

UK: UK Mainline

SpotLog Dataset Book

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Generated by https://spotlog.org/locolist on 11/29/2026



SpotLog

SpotLog is an app and website for Trainspotters that runs on Android smartphones, iPhones and iPads. The SpotLog app allows you to record loco and unit numbers, keep a log of trains seen and mark the sightings off in the app's 'book' section. The SpotLog website includes a database of railway vehicles, including locomotives, carriages, multiple units, trams and metros. The data covers the UK and many European railway networks.

SpotLog data is maintained and updated by SpotLog users from many different data sources. SpotLog data is not offical and makes no claims to accuracy. The data in the website and app is offered on face value. The SpotLog team makes every effort to keep the data accurate and uptodate and accepts no liability for inaccuracies. We are always happy to receive corrections and updates through the SpotLog website or by email to updates@spotlog.org

https://spotlog.org

About this document

This PDF document was generated from the SpotLog database on 11/29/2026.

SpotLog data is regularly updated, check the website for latest data and updates.

This PDF can be downloaded from https://spotlog.org/locolist/pdf/fetch?setcode=UK

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Codes

Status

A	Active
C	Construction/On Order
D	Display
E	Exported / Overseas
H	On Hire
I	Industrial
M	Dismantled
N	Renumbered
O	Overhaul
P	Preserved
R	Restoration in progress
S	Stored
T	Testing/Crew Training
U	Unknown
V	Converted
W	Withdrawn
X	Scrapped
Z	Parts Donor

Livery

???	Unknown
???	Owner Unspecified As At 31/03/94
???	Unknown
~	ARC Southern. Later to Hanson Aggregates Ltd
~	PRE
~	Test
~	Static cafe seating. Was previously electrification works vehicls.
~	Roof section only
~	~
~	
~	Steam Trust
~	Static cafe seating. Was previously electrification works vehicls.
003	Euro Cargo Rail - Light Grey with Euro Cargo Rail in Maroon lettering and EWS logos on cabsides.
005	Dark Grey lower bodyside with Light Grey upper bodyside. Carries no number.

007	All over White with large No.3
008	White with no numbers.
008	Britanic Explorer Blue
009	Yellow with Potter Group branding.
011	Two tone Grey with Red LNWR branding.
013	Yellow and White with HNRC branding.
016	Hope Construction - White and Purple
018	Harry Beck - London Underground Tube Map design
019	London/London Transport Museum advertising livery.
020	Aggregate Industries - Blue and Light Green with AI and GBRf branding
021	Silver with ''Drax - Powering Tomorrow'' branding
024	BR Blue with Grey roof and Yellow cab sides
028	DRS Anniversary (as DRV but with ''25 Years of Direct Rail Services'' branding
029	Creative Logistics - Blue and Green.
030	Mendip Rail - BR Blue with Mendip Rail (MRL)branding
032	Continental Railway Solution - Red with Yellow CRS branding
035	Army Green
035	WDG
041	HM Coastguard, Navy & Yellow
044	Scotrail BTP - Dark Blue lower half fading to lighter blue upper half, with grey doors, and BTP and text 61016 decals
045	Scotrail - Locomotives - Black & Grey with Blue stripe & Scotrail branding.
046	InterCity Executive yellow and light gray lower bodyside a red stripe and dark gary upper bodyside
046	Runtech Blue with Orange cab sides
048	Refrigerated rail Cool move-blue and white
049	Gold Geese-yellow
050	DB Cargo/TFW Black
052	LCS with NRM commemorative vinyl
060	BR - Railfreight - Grey Bodyside, Yellow fronts, red stripe above solebar level and large 60
067	Midland Red
076	Drax 50th Anniversary - Blue/Gold
104	Royal Mail all over Red
125	intercity
125	IC
125	Inter City livery
125	BR intercity
125	Intercity 125 original - Blue and Grey with Yellow cab roof and lower stripe.
125	125 Group
2TG	2 tone green with blue cabs

ABP	ABP Blue
ADV	Advertising/Promotional Livery - Various Company Logos and Schemes.
AGI	Aggregate Industries - Bright Blue upper body/Green lower body with Silver centre band, AI branding and small yellow front panel.
ALZ	Alzheimer's Society Cymru - Blue
AMC	Andys Man Club - Black with white and yellow writing and white cab surrounds
AMVT	Avanti West Coast Voyager interim - Dark green ends on Virgin Livery
ANG	Angel Trains
ANG	Anglia Railways Turquoise Blue with a White Stripe
AOBE	All over black with a white backbone, Freightliner logo and "I am the backbone of the economy" writing, grey cantrail and yellow fronts
AOS	All over silver with DB Logos
ASR	Abellio ScotRail - Dark Blue with White/Pale Blue small circles design. Scottish Saltire and ScotRail - Scotland''s Railway
ATB	Arriva Trains Wales - Plain Blue (Class 67)
ATC	Arriva Traincare - Turquoise & Blue
ATT	Arriva Trains Wales - DMU - Light Turquoise ends with Dark Turquoise centre section, Powder Blue doors and White Arriva/Welsh
ATV	Avanti West Coast (Dark green, dark grey, white, cream & orange)
ATW	Arriva Trains Wales
ATW	Arriva Trains - Turquoise Blue with White swirl at driving ends and Pale Blue doors. Arriva branding. (no swirl on LHCS)
ATX	Arriva Trains Wales/Welsh Government - Dark Blue with Light Blue doors and Arriva branding.
AWT	Abellio Greater Anglia - Class 90 - White with Dark Grey Doors and broad Black upper panel and Abellio Greater Anglia branding.
AXC	Arriva Cross Country - Two Tone Silver base with Plum unit ends, Pink doors & Black window surrounds. Cross Country branding.
AXC	Cross Country
AZU	LNER Azuma - White with with Red window surrounds
BBB	Balfour Beatty - White with Blue lower body and Balfour Beatty branding.
BEB	Beacon Rail Blue with GBRF Branding
BEE	Bee Network, Yellow with Navy blue doors and Bee and Northern branding
BLG	BR - Blue & Grey lined out in White.
BLG	Battlefield Line DMU Group

BLK	Bk
BLK	Black
BLK	Blaxk
BLK	Black
BLL	BR Revised - Blue with Yellow cabs, Grey roof, large numbers and full bodyside height BR Logos.
BLO	Black with Orange stripes
BLU	All over Blue
BLUE	Blue
BLUE	Blue
BPM	Blue Pullman - Nanking Blue with White window surrounds (overall Blue for locos).
BRB	BR Blue
BRB	Pseudo BR Blue
BRB	BR blue
BRD	BR - Departmental - Plain Dark Grey with Black cab doors and window surrounds.
BREEDON	All over blue with Yellow Handrails and white Breedon Cement logo on cab side
BRG	British Rail Blue with small GBRF logos
BRT	BR - Trainload Freight - Two Tone Grey with Grey cab roof and Black cab doors.
BSC	BCS Blue
BSC	BSC Blue
BTP	British Transport Police - Blue & Grey with Blue and Luminous yellow 'Battenberg' cantrail
C2C	White with Dark Blue Doors
C2C	c2c
C2P	White with Pink doors and accent stripes
CAP	Cappagh
CAP	Cappagh - Blue
CAR	BR - Carmine & Cream lined out in Black & Straw. (Blood & Custard).
CAR	Carmine and Cream
CAR	~
CAS	Caledonian Rail Leasing
CAS	Caledonian Sleeper - All over Midnight Teal
CEL	Celsa Steel Cardiff - Black with Orange cab
CEM	CEMEX - White with Blue roof, Blue & Red bands, GBRf and Cemex branding
CFD	CFD France - Orange & White
CIV	BR - Civil Engineers - Falcon Grey lower bodysides
CLA	Crimson Lake
CLM	Light Green "I am a climate hero"
CLP	Colas Purple - Purple with Yellow end and Colas logo
CLR	Colas red with white swoosh and yellow Colas logo

CNR	Colas Network Rail - Orange Black Network Rail Yellow with Colas and NR Decals
CNX	Connex - White with yellow
COL	Colas Rail (Seco-Rail) France – Lime Green, Orange and Black with Colas Rail branding.
COL	Colas Rail
COL	Owner
COL	Colas Rail
CON	EWS European - Continental Rail - Blue with Yellow lower body stripe and Grey roof.
COO	Colas Rail Orange/black
COR	Corus - Silver Grey with Red Corus Logos and branding.
CR5	Chiltern Railways Blue - (MK5A and class 68) - Navy blue with 2 lighter shades of blue, and Chiltern Railways branding and yellow ends
CR5	Chiltern Railways MK5A (and class 68) - Navy blue with 2 lighter and Chiltern Railways brandingshades of blue
CRB	Chiltern Railways Blue - (MK5A and class 68) - Navy blue with 2 lighter shades of blue, and Chiltern Railways branding
CRG	Chiltern Railways - Two-tone Grey (Class 67 & DVT)
CRM	Chiltern Railways - Mainline - Silver with Slate Grey doors and window surrounds. Blue banding above and below windows.
CRM	Crimson & Cream
CRR	gary
CRR	gray/light green with light blue, white/yellow stripes
CRS	Chiltern Railways - Class 168 - White with Silver Grey doors and window surrounds. Blue banding above and below windows.
CRW	Chiltern Railways
CRW	Chiltern Railways - White with Blue window surrounds, thin Red stripe & CR branding. Light Blue doors.
CWR	Cholsey & Wallingford Railway
CWR	Cotswold Rail - Silver Grey with Blue roof, full Yellow ends & Red Cotswold Rail branding.
DBC	DB CARGO UK
DBC	DBCUK
DBC	DB
DBC	DBS
DBC	DB Cargo red
DBC	EWS
DBC	DB CARGO Red
DBM	DB Maritime blue
DBM	GBM
DBP	Purple
DBP	DB Cargo purple

DBR	DB Schenker revised - EWS/EWZ but the EWS branding removed and DBS sticker applied.
DBR	DB Regio
DBS	DB Schenker
DBS	DB Schenker - New - Verkehrsrot Red with Grey solebar and Roof. White DB Schenker branding.
DBS	DB Schenker UK
DCR	Devon and Cornwall Railway
DCR	Devon
DLL	MOD - Defence Logistics Organisation - Purple and White.
DR3	DRS 30th Anniversary
DRC	Devon Railway Centre
DRC	Direct Rail Services - (revised) - Deep Blue with Large Light Blue bodyside panel and Green DRS Compass logo branding.
DRI	Direct Rail Services - (Revised) - Similar to DRV
DRS	Direct Rail Services - Deep Blue with Light Blue or Dark Grey roof & DRS branding. (LHCS with Light Blue horizontal stripes).
DRS	Direct Rail Services
DRS	Direct Rail Services
DRS	DRSL
DRU	DRS - Blue (unbranded).
DRV	Direct Rail Services - (Vossloh locos) - Deep Blue with Large Light Blue bodyside panel and Green DRS Compass logo branding.
EMH	East Midland Trains - HST - Dark blue, Orange & Red
EMR	East Midlands Railway
EMR	East Midlands Railway Purple with Colas Logo
EMRA	East Midlands Railway Aurora - Purple with Gold doors and front
EMRC	East Midlands Railway Connect - Purple with Silver doors and Yellow front
EMRI	East Midlands Railway Interim - White with Purple ends
EMRM	East Midlands Railway Meridian - Purple with White doors and Yellow front
EMRR	Eaast Midlands Railway Regional (Interim) white with purple ends
EMRS	East Midlands Railway Regional Sprinter - Purple with Grey doors and Yellow front
EMRT	East Midlands Railway Regional Turbostar - Purple with White doors and Yellow front
EMT	East Midlands Trains - Connect - Dark blue body with Yellow doors and Red and Orange ''swish'' at driving ends.
EMT	East Midlands Trains
ENT	Enron Teesside Operations - Trafalgar Blue with Red lower body stripe and ICI branding.

EPR	New Euro Phoenix Rail - Grey and Green with EPR new logo
EPS	European Passenger Services - Two Tone Grey with Dark Blue roof & EPS Logos.
EPX	Europhoenix - Silver and Blue with Red & White Phoenix logos.
ETC	Euro Cargo Rail - Maroon bodyside & roof with Zigzag Gold Stripe. Large numbers - Silver branding.
ETF	ETF France - Yellow with White roof, Green bodyside stripe, Blue sole bar & ETF branding.
EWS	DB Schenker - EWS - Maroon bodyside & roof with Gold Stripe. EWS lettering and large numbers.
EWZ	DB Schenker – EWS -Maroon bodyside & roof with Zigzag Gold Stripe. EWS lettering and large numbers.
FBL	Unbranded FGL
FER	Fertis (France) - Grey with narrow Red & Blue sole bar stripes and Fertis logos.
FGB	First Great Western - Dark Blue with FGW branding. (Pink doors on units.)
FGW	First Great Western - Dynamic Lines - Indigo Blue with thin multicoloured lines on lower bodyside. Pink doors.
FGW	First Great Western
FGW	First Great Western
FGW	First Group - First Rail Holdings
FGW	FGW Blue with Pink Doors
FHT	First Group – Dynamic Lines – First Hull Trains - Graduated Blue bodysides. Pink doors, White neon
FHT	First Hull Trains
FLB	Freightliner Orange and Black striped
FLF	Freightliner 2 tone grey with black doors and windows
FLG	1995 - Dark Green with wraparound angled Yellow cabsides. No branding.
FLGY	Freightliner green with two yellow stipes
FLH	FLG (HHR decals)
FLH	Freightliner Green with HHR decals
FLO	Freightliner Orange
FLP	Freightliner - Powerhaul - Green with Yellow cabs. Green and Grey swirls at each end and Freightliner branding.
FLR	Floyd ZRT - Revised - Black with Blue/Red central stripe, Grey window surrounds and Floyd ''Railway for the Future'' branding.
FLR	Freightliner
FLY	Freightliner 1995 - Two Tone Grey with Black cab doors & Freightliner Red Triangle Logos.
FNW	First north-western blue/gold star
FOS	Foster Yeoman - Blue & Silver with cast number plates, ''Y'' Logos and branding.
FRA	Fragonset - Black with red stripe

FRB	FM Rail - Black with Grey roof, FM Rail loge and fmrail.com branding.
FSS	Same as ASR but with various hydrogen brandings
GAA	Greater Anglia Grey
GAN	Greater Anglia Renatus - White with Grey doors, Black window surrounds. Red & Grey lower bodyside stripes
GAN	Greater Anglia
GAR	Greater Anglia - white with red doors & black window surrounds
GAT	Gatwick Express - White with Red doors and cabside swirl. Blue lower body.
GBA	GBRf - Blue with Mustard Yellow Cabs, Orange cantrail & solebar stripes and ''GB Railfreight part of Europorte'' branding on
GBG	GBRf - Grey with GBRf branding
GBP	GBRf Purple/Sliver
GBR	Great British Railways - Red, White & Blue with Yellow warning panel
GBR	GB Railfreight
GBR	GB Railfreight
GBR2	Great British Railways - Red, White
GBR2	Great British Railways - Red, White & Blue without warning panel
GBS	GBRf - Blue with Mustard Yellow Cabs, Orange cantrail & solebar stripes and ''GBFR Pride branding"
GBU	GBRF Blue
GBU	GBRf – Blue with Yellow cabs and GBRf branding
GBY	GBRf Yellow
GEN	Genessee & Wyoming (Freightliner) livery - Black and Orange
GHM	Green, Heidelberg Materials
GMP	Great Manchester orange/brown
GMT	Great Midlands Trains Turquoise
GNER	GNER - Navy blue with red horizontal stripe and white GNER writing
GOL	Golden Ochre
GOL	Golden Ochre
GRN	Brunswick Green
GRN	GWR Green
GRN	Green - Plain or Two Tone (BR/SR/GWR style).
GRY	Gray
GRY	Grey
GTO	Grand Central Railway - All over Black with Orange stripe & Grand Central branding.
GTS	GTR ''Gatwick Express'' Class 387/2 - Red with Light Grey doors and Gatwick Express branding

GWG	Great Western - All over Dark Green with Gold band and Great Western Lettering and Logos
GWR	GWR lined out Green with cast name and number plates.
GWR	Great Western Railway
GWT	First Group - Great Western Railway. Locos & Coaches - Dark Green with Light Silver Grey doors and GWR branding
GWU	First Group - Great Western Railway. Multiple units - Dark Green with Grey diagonals and Silver Grey doors. GWR branding
HAN	Hanson Group - Dark Blue and Silver with Orange roof.
HEC	Heathrow Connect
HEC	Heathrow Connect - Silver Grey with Deep Blue window surrounds and Orange doors. Heathrow Connect branding.
HEP	Heathrow Express Class 387 silver grey & purple
HEX	Heathrow Express – Silver Grey with Black window surrounds and Blue doors, Grey roof and Heathrow Express branding.
HEX	Heathrow Express
HFX	HydroFLEX - green & white
HHR	Heavy Haul Rail
HNR	Harry Needle Railroad Co. - Orange/Grey lined out in Black with HNRC branding.
HNS	Orange, Swietelsky branding
HS1	SouthEastern High Speed - Hitachi Class 395 - Javelin Blue with Black window surrounds & Light Blue doors.
HST	Original HST Blue & Yellow
HST	Heritage Shunters Trust
HUN	Hunslet Engineering Company
HUN	Hunslet - Green with White numbers and Hunslet branding.
HVO	Europhoenix HVO + EPR decals
ICE	East Coast
ICE	InterCity Executive yellow and light grey lower bodyside a red stripe and dark grey upper bodyside
ICM	BR - InterCity Mainline - Dark Grey/White/Red/Light Grey
ICS	BR - Original InterCity - Dark Grey/White/Red/Light Grey.
ICW	InterCity Swallow
Jub	Jubilee Line
JUB	Diamond Jubilee - Various designs to celebrate Queen Elizabeth''s Diamond Jubilee
KBR	Knorr Bremse Rail Systems - Green, White and Blue bands.
KNB	Kernow Black - Black with Cornish Flag
LBK	Lined Black
LBL	Laira Blue
LCS	New class 91/Mark 4 oxblood, white/light gray with a red stripe
LEGO	Legoland Yellow
LHL	BR - Loadhaul - Black with Orange cabsides & Loadhaul Logos.

LMI	London Midland
LMI	London Midland - White with Green unit ends and centre stripe, broad Black window surrounds and Dark Green doors. London Midland
LNE	LNER Tourist Style Green & Cream.
LNE	LNER Green
LNER	LNER - Signalbox Grey with Purple stripe, Grey doors and LNER branding
LNG	Llangollen Railway plc
LNG	London Northwestern - Light Grey, Dark Green & Light Green
LOG	London Overground - All over White with Blue lower stripe, Black window surrounds and Orange doors. London Overground branding.
LOG	London Overground
LOG	London Overground
LON	London Overground - Revised - Black upper bodyside with White, Orange and Blue lower side stripes & Orange doors
LOR	LORAM UK
LOR	LORAM Red and White
LOR	Loram - Red, White and Grey
LUL	London Transport Red (483007 has 1938 London Transport and Underground branding on sides and windows).
LUL	London Underground
LUL	LT red
LUM2	New Lumo 2 tone Blue for class 222
LUMO	LUMO Blue
MAL	W H Malcolm - Light Blue with Dark Blue centre panel, W H Malcolm branding and Red ribbon stripes.
MAL2	Malcolm Group 100 years Blue/Black
MAR	~
MAR	~
MAR	Maroon
MAR	Faded Maroon
MAR	Fading Maroon
MAR	Maroon lined out in Straw and Black (BR or LMSR style).
MED	Medite Shipping Co. - Graduated Blue with Yellow cabs and lining plus MSC Container ship picture and branding.
MLF	BR - Mainline Freight - Aircraft Blue with Silver stripe & Mainline Logos & branding.
MLG	BR - Mainline Freight - Two Tone Grey with Mainline Freight Logos and Black door surrounds.
MML	Midland Mainline Teal
MMLB	Midland Mainline Blue with Grey and White stripes
NE2	National Express – c2c – White with Black window surrounds, Navy Blue doors and NEX/c2c branding.
NHS	NHS Blue & Orange

NOR	Northern Rail - Deep Blue base with Lilac & White panels, White doors and Northern branding.
NOR	Northern Rail
NRB	Network Rail Light Blue
NRL	Network Rail Locomotives/Departmentals - Yellow with Grey/Black roof and NR logos
NRL	Network Rail
NRL	Network Rail
NRL	NR
NRP	Northern Rail - White & Lilac with Northern Branding
NSE	BR - Original Network South East - Blue upper body, White and Grey lower body with Red stripe and no branding.
NWT	Newell & Wilson Transport - Blue with white stripes & cabs (NWT branded).
NXC	New CrossCountry Red & Light Gray
NXU	National Express - White/Grey with Blue or Red doors.
ONE	Ocean Nation Express - pink with white stripes with ONE branding
ORB	Orion Blue
PBR	Powering Britain - Dark and Light Green
PBR	Pontypool & Blaenavon Railway
PCU	Prostate Cancer UK - black with blue lettering
PDB	Dark Blue with PD Ports & DB branding
PIH	Porterbrook Inovation Hub - blue & white
PRV	Private
PRV	Private Owner
PRV	Private owners
PRV	Private Members
PRV	PR
PRV	PTE
PRV	Private Owners/Industrial Liveries.
PUL	Pullman Rail
PUL	Pullman Car Company - Umber & Cream with Gold lettering.
PUL	Pullman
PUL	Pullman
PUL	Piullman
RAD	RailAdventure 2 tone grey
RED	Red
RES	Rail Engineering Services
RES	Rail Express Systems - 1/3 Dark Grey & 2/3 Red with Blue markings, Black cab doors and RES Logos.
RFA	BR - Railfreight - Grey with Yellow cab, BR Logo and Railfreight branding (1980''s style)
RFD	BR – Railfreight Distribution – Two Tone Grey
RFE	EWS - Two tone Railfreight Grey with full height EWS logo vinyls.

RFG	BR - Railfreight - Grey Bodyside, Yellow cabs, Red buffer beams/stripe at solebar level and large double arrow.
RFI	BR - Railfreight Distribution International - Two Tone Grey with Red & Yellow logos and Blue cab roof & Euro branding.
RFM	Railfreight Metal
RIV	Riviera Trains - Locomotives - Oxford Blue with Yellow cab fronts and window surrounds.
RIV	Riviera Trains
RIV	Riviera Trains
RML	Royal Mail - Red with Yellow Stripes & RM Logos & branding.
RMR	Royal Mail - All over Red with Royal Mail branding.
RMS	RMS Locotech - Blue
RMS	RMS Locotec
RNL	Royal National Lifeboat Institution - Black
ROG	Rail Operations Group
ROG	Rail Operations Group - Plain Blue with ROG branding
ROM	ROMIC - Red with 2 white diagonal stripes, ROMIC branding, and grey guard's compartment with red doors, and yellow warning panel at front
ROZ	Royal Train (revised) - Claret with Royal Coat of Arms.
RRG	Regional Railway GMPTE Gary
RRG	Regional Railway GMPTE gray/Red
RRR	Regional Railways - Dark Blue/Grey with Light Blue & White Stripes & RR branding.
RSG	Rail Support Services grey with Gemini Rail Group logos
RSM	Royal Scotsman (LHCS) - Maroon with Royal Scotsman branding.
RSS	Rail Support Services grey
RSS	Railway Support Services
RTC	RTC Red/blue with GBRF Branding/British rail logos
S200	Stockton
S200	Stockton & Darlington Railway 200: Deep ble with a giant white 200 and various colourful swirls
S200	Stockton & Darlington Railway 200: Deep blue with a giant white 200 and various colourful swirls
SAT	ScotRail Active Travel
SBB	BR Standard Blue (with Small Logos on locos).
SBR	Swietelsky Babcock Rail - white, blue & orange
SBR	Swietelsky Babcock Rail
SCE	East Midlands Trains – Mainline – White with Blue window surrounds and lower body, Red/Orange stripe at cab ends, Red doors, EMR Logos
SCED	East Midlands Trains – Mainline – White with Blue window surrounds and lower body, Red/Orange stripe at cab ends, Red doors with DATS branding

SE2	SouthEastern – White with Black window surrounds and Pale Blue doors & Blue lower body stripe - (Black lower body stripe on some
SE3	SouthEastern - Refurbished - All over Blue with Pale Blue doors and SouthEastern branding.
SEC	Serco Rail test grey & red
SLF	Silverlink - Blue & Lime Green with a White striple
SOB	Southern white with blue doors
SOU	Southern – White with Green cabs and with Green semi-circles at connecting end car. Black window surrounds & Dark Green doors.
SOU	Southern
SR7	Scotrail - Pale grey bodyside and a silhouette of Scottish landmarks under the carriage windows.
SRG	Serco Rail test green
STO	Eddie Stobart livery
SWF	Swift Express Freight dark blue
SWI	Black, Swietlsky branding
SWM	South West Trains – Mainline - White with Blue window surrounds and lower body. Orange doors & Orange & Red cabside swirls.
SWO	South West Trains - Outer Suburban - Deep Blue with Red doors (Yellow doors surrounds) and Orange & Red cabside swirls and SWT
SWR	South West Trains - Inner Suburban - Revised - Variation on SWM with Yellow doors
SWR	SWT
SWR	South West Railway
SWS	South West Trains - Inner Suburban - Red with Blue doors (Yellow doors surrounds). Blue & Orange cab swirls and SWT branding,
SWX	South Western Railway - Dark Blue/Light Blue Stripes. Light Grey doors and SWR branding.
SWZ	Midnight Blue, with Orange Stripe and Swietlsky branding
TFL	Transport For London
TFL	LU
TFL	LUL
TFL	TFL - White with dark blue solebar and doors, with a yellow front
TFW	Keolis/Amey - Transport for Wales - White with Red with Red stripe & Red doors & Decals
TFW	Transport For Wales
TFWA	TFW Active Travel
TFWA	Active Travel
TGG	Transrail - Two Tone Grey with Transrail ''Big T'' Logos.

TLK	TSGN - Thameslink Great Northern - Off White with Pastel Blue doors and Black window surrounds. Thameslink or Great Northern
TPE	TPE First Group - Trans Pennine Express (from 01/04/2016) Silver Grey & Blue with Grey doors
TSO	TSO France - Yellow with White roof, Blue sole bar and TSO branding.
TTG	Two tone Grey with no branding.
UUU	Undercoat
UUU	Overhaul
UUU	UC
UUU	Undercoat - Grey or White.
VAN	Vanguard HydroSHUNTER - Dark Green/White/Red/Light Grey, like ICS but Dark Green instead of Dark Grey
VEC	Virgin East Coast - Red and Grey
VTR	Virgin Trains – Red with Black doors extending into bodysides. (3 White lower bodyside stripes.
VTR	VTI
WAB	Wabtec Rail Limited - Black with Red & White Wabtec Logos & branding.
WAB	Wabtec Rail Group
WCR	West Coast Railways
WCR	West Coast Railways
WCR	West Coast Railway Company - Maroon with Black mid-height bodyside stripe, Yellow ends and WCRC branding.
WHT	White
WHT	White
WHT	008
WM1	West Midlands Railway - Purple Gold doors & carriage ends. West Midlands Railway branding
WM2	West Midlands Railway (revised) Orange & Brown with West Midlands Railway branding
WYP	West Yorkshire cream/red
XRL	Crossrail TfL - (BASE COLOURS) White with Blue doors and Blue lower body stripe
XXX	Scrapped/Unknown
XXX	RX
XXX	Scrapped

Pool

~	ARC Southern. Later to Hanson Aggregates Ltd
~	PRE
~	Test

~	Static cafe seating. Was previously electrification works vehicls.			
~	Roof section only			
~	~			
~				
~	Steam Trust			
~	Static cafe seating. Was previously electrification works vehicls.			
ACAC	AC LOCOMOTIVE GROUP AC ELECTRIC LOCOMOTIVES	BH	LM	WB
ATLO	ALSTOM TRAINCARE LOCOMOTIVES	LO	SV	HQ
ATZZ	ALSTOM TRAINCARE LOCOMOTIVES FOR DISPOSAL	HQ		
AWCA	WEST COAST RAILWAY OPERATIONAL DIESEL LOCOS	CS		
AWCS	WEST COAST RAILWAY	CS	STEAM LOCOMOTIVES	
AWCX	WEST COAST RAILWAY	CS	NON-OPERATIONAL DIESEL LOCOS	
BBXX	Balfour Beatty Class 20s			
CDJD	NETWORK RAIL	DY	EX SERCO SHUNTERS	
CFOL	CLASS 50 OPERATIONS LTD. PRESERVED CLASS 37/50 OPERATIONS	KR		
CFSL	Class 40 Society Locomotives			
COFS	COLAS RAIL (AMEY SECO)	RU		
COLO	COLAS RAIL (AMEY SECO)	RU	TJ	HIRE LOCOMOTIVES
COLS	COLAS RAIL (AMEY SECO)	AW	RU	STORED LOCOMOTIVES
COTS	COLAS RAIL (AMEY SECO) LOCOMOTIVES FOR REFURBISHING	ZE		
DBLX	DELTIC PRESERVATION SOCIETY DPS CLASS 55''s	BH	CB	YK
DCRO	DC Rail Class 50 and 56			
DCRS	DC Rail Class 60			
DDHH	Freightliner Heavy Haul Class 70 (amendment)			
DDHJ	Freightliner Heavy Haul Restricted Use (revised)			
DDHM	Freightliner Heavy Haul Standard Fuel Capacity (new)			
DDHN	Freightliner Heavy Haul Small Fuel Capacity (new)			
DDHS	Freightliner Heavy Haul Class 66/6 (new)			
DDII	Freightliner Heavy Haul Class 59 (new)			
DFHH	FREIGHTLINER	FD	LD	HEAVY HAUL GENERAL
DFIM	Freightliner Intermodal Standard Fuel Capacity (amendment)			

DFIM	FREIGHTLINER	FD LD	INTERMODAL GENERAL - SELF LUBRICATION
DFIN	FREIGHTLINER	FD	INTERMODAL - LOW EMISSION - 1290gal
DFIN	Freightliner Intermodal Small Fuel Capacity (amendment)		
DFLC	Freightliner Intermodal Class 90 (amendment)		
DFLC	FREIGHTLINER	FE	GENERAL
DFLS	FREIGHTLINER	VARIOUS	GENERAL SHUNTERS
DFLS	Freightliner Intermodal Class 08 (amendment)		
DHLT	FREIGHTLINER	FD FE WZ	STORED/SURPLUS/NOT IN MAIN LINE USE LOCOMOTIVES
E	BR Eastern Region		
EAHQ	TRANSPENNINE EXPRESS HEADQUARTERS		
EBHQ	ABELLIO GREATER ANGLIA HEADQUARTERS		
ECHQ	Grand Central - Headquarters		
EDDA	NORTHERN RAIL	NL	SINGLE UNITS
EDHQ	NORTHERN RAIL HEADQUARTERS		
EFHQ	Great Western Railway - Headquarters		
EFOO	FIRST GREAT WESTERN	OO	FGW Class 57/6
EFPC	FIRST GREAT WESTERN	LA LE OO	FGW Class 43
EFSH	FIRST GREAT WESTERN	LA LE PM PZ OC	FGW SHUNTERS
EHHQ	ARRIVA CROSS COUNTRY HEADQUARTERS		
EJHQ	West Midlands Trains - Headquarters		
EJLO	LONDON MIDLAND	TS	LONDON MIDLAND SHUNTERS
EKHQ	LONDON OVERGROUND HEADQUARTERS	NG	
EMHQ	EAST MIDLANDS TRAINS HEADQUARTERS		
EMSL	EAST MIDLANDS TRAINS SHUNTERS	DY NL	
EPEX	EUROPHOENIX	AW BO	LOCOS FOR EXPORT
EPRL	Eueophoenix Rail Leasing		
EPRo	Europhoenix Rail Class 60 Operational		

EPRS	Europhoenix Rail Class 60 Stored			
EPUK		EUROPHOENIX	LM	UK LOCOMOTIVES
ERSL	Eastern Rail Services Locomotives			
ETHQ		GOVIA THAMESLINK RAILWAY		VARIOUS OPERATIONAL EMU''s
EXHQ		CROSSRAIL	IL	4 CAR UNITS
EXPT		EXPORT	VARIOUS	STOCK SOLD TO OVERSEAS USERS
FAMT		PRIVATE OWNER		
		37379 37264 37407 37424		
GBBR		GBRf	SE	CLASS 73/9 - BRUSH REPOWERED
GBBT	GBRf Class 66 UK Cab Big Fuel Tanks			
GBCS		GBRf	LB	RE-ENGINEERED
GBCT		GBRf	CO	CLASS 92 CLEARED FOR CHANNEL TUNNEL
GBDF		GBRf	BH	ON HIRE VIA HNRC
GBEB	GBRf Class 66 Euro Cab Big Fuel Tanks			
GBED		GBRf	SE	ELECTRO DIESEL LOCOS FOR HIRE
GBEL	GBRf Class 66 Euro Cab Little Fuel Tanks			
GBFM		GBRf	PG	RETB FITTED LOCOMOTIVES
GBGD	GBRf Class 56			
GBGS	GBRf Class 56 Stored/Donor			
GBHH	GBRf Class 66 Heavy Haul (Regeared locos 65mph)			
GBKP	GBRF Class 67			
GBLT	GBRf Class 66 UK Cab Little Fuel Tanks			
GBNB		GBRf	PG	NEW BUILD LOCOS
GBNR		GBRf	??	FOR NETWORK RAIL USE
GBNX	GBRf Class 99			
GBOB	GBRf Class 66 Big Fuel Tanks & Buckeye Couplers			
GBRG	GB Railfreight Class 69			
GBSD	GBRf	Stored		
GBSL		GBRf		
		CALEDONIAN SLEEPERS		
GBST		GBRf		
		CALEDONIAN SLEEPERS/CHANNEL TUNNEL		
GBTG	GBRf Class 60			
GBWM		GBRf	VARIOUS	SHUNTING DUTIES
GBYH		GBRf	PG	GENERAL POOL
GPSN		EUROSTAR UK	OC	OPERATE FROM TI (DBS MAINTAINED)
GPSS		EUROSTAR UK	TI	OPERATE FROM TI (DBS MAINTAINED)

GROG	RAIL OPERATIONS GROUP LOCOMOTIVES		
HAHQ	SCOTRAIL RAILWAYS HEADQUARTERS		
HAPC	SCOTRAIL RAILWAYS	PC	Mk3 PUSH/PULL COACHES
HBHQ	London North Eastern Railway - HQ		
HBSH	VIRGIN TRAINS EAST COAST	BN EC NL	ON HIRE TO ECML
HEHQ	MERSEYRAIL HEADQUARTERS		
HFHQ	AVANTI WEST COAST HEADQUARTERS		
HHLT	Heavy Haul Rail Stored Locomotives		
HHPC	RailAdventure/Hanson and Hall power cars		
HISE	RAIL VEHICLE ENGINEERING	DY	EAST MIDLANDS TRAINS SHUNTERS
HLHQ	Transport for Wales Rail - Headquarters		
HMHQ	HEATHROW EXPRESS HEADQUARTERS		
HNRL	HARRY NEEDLE RAILROAD CO HIRE FLEET		BH
HNRS	HARRY NEEDLE RAILROAD CO STORED LOCOS		BH
HOHQ	CHILTERN RAIL HEADQUARTERS		
HTHQ	C2C RAIL HEADQUARTERS		
HTLX	BARS LOCOMOTIVES		
HUHQ	SOUTHEASTERN HEADQUARTERS		
HVAC	Hanson		
HWHQ	SOUTHERN HEADQUARTERS		
HYHQ	SOUTH WEST TRAINS HEADQUARTERS		
HYWD	SOUTH WEST TRAINS	WD	SWT THUNDERBIRD LOCOS

HZHQ	ISLAND LINE HEADQUARTERS		
ICHP	125 Group HST Power Cars		
IECA	VIRGIN TRAINS EAST COAST OPERATIONAL LOCOMOTIVES	BN	
KDSD	BOMBARDIER	ZD ZF	DONCASTER
LRLO	Loram Locomotives		
LSCO	Locomotive Services Coaches Operational		
LSCS	Locomotive Services Coaches Stored		
LSLO	Locomotive Services Operational Locomotives		
LSLS	Locomotive Services Stored Locomotives		
M	BR London Midland Region		
MBCS	Privately Owned - Coaching Stock		
MBDL	NON TOCVARIOUS	PRIVATE OWNER - DIESEL LOCOS	
MBED	NON TOCPR	PRIVATE OWNER - CLASS 73	
MBEL	NON TOCVARIOUS	PRIVATE OWNER - ELECTRIC LOCOS	
MBSL	NON TOCVARIOUS	PRIVATE OWNER - STEAM LOCOS	
MOLO	RT RAIL LIMITED	BH DY	HIRED FLEET SHUNTER LOCOS
MRSO	RMS LOCOTEC	DF	EX. FM RAIL OPERATIONAL SHUNTERS
NRLO	NEMESIS RAIL	BH	LOCOMOTIVES ON HIRE
NRLS	NEMESIS RAIL	BH	EX. FM RAIL STORED LOCOS
NWRX	FIRST GREAT WESTERN LINK	RG	WESTERN AREA
PFHQ	HULL TRAINS	XW	HEADQUARTERS
PPCT	DB Schenker - Company Train		
PPMB	DB SCHENKER RAIL (UK) LTD.	CE	MULTIPLE UNITS
PRES	VARIOUS PRESERVATION SITES SOLD TO PRES''N SOCIETIES		PR
QADD	NETWORK RAIL	DF	DIESEL LOCOS
QCAR	NETWORK RAIL	EC	HST POWER CARS
QCSS	NETWORK RAIL	AL	SANDITE VEHICLES
QETS	NETWORK RAIL	ZA	NETWORK RAIL EUROPEAN SIGNALLING
QTRC	NETWORK RAIL	ZA	TRACK RECORDING COACHES
QTRU	NETWORK RAIL	ZA	TRACK RECORDING UNIT
QXXX	Network Rail - General		

RAJV	SRPS Class 37 Locos
RASC	Rail Adventure Class 43 (stored)
RCZH	KNORR BREMSE RAIL SYSTEMS ZH SPRINGBURN WORKS SHUNTERS
RCZN	KNORR BREMSE RAIL SYSTEMS ZN WOLVERTON WORKS SHUNTERS
RFSH	Wabtec Class 08
RMSX	RMS Locotec Class 08
RTSO	RIVIERA TRAINS CP OPERATIONAL SHUNTERS
RVLO	RAILWAY VEHICLE ENGINEERING DERBY DF OPERATIONAL LOCOMOTIVES
SA	Salisbury Fisherton Yard
SAXH	Eversholt Rail - Locomotive Hauled Stock
SAXL	EVERSHOLT RAIL LTD. HQ OFF LEASE
SAXU	EVERSHOLT RAIL LTD. HQ OFF LEASE
SAXZ	EVERSHOLT RAIL LTD. HQ WITHDRAWN/DISPOSED STOCK
SBXH	Porterbrook Leasing - Coaches Stored
SBXL	PORTERBROOK STORED LOCOMOTIVES
SCEC	Angel Trains - Ely Storage Coaches
SCEL	ANGEL TRAINS STORED LOCOMOTIVES
SCXH	Angel Trains - Coaches Stored
SCXL	Angel Trains Hire Locomotives
SDXL	FM RAIL DF NON OPERATION LOCOS
SROG	RAIL OPERATIONS GROUP LOCOMOTIVES
TPEA	Transpennine Express Class 802/2
TPEC	TPE - Mark 5A - Longsight
TROG	Rail Operations Group NPCSS
TTLS	TRADITIONAL TRACTION VARIOUS AT GOODMAN''S YARD WISHAW/COLNE VALLEY RLY
TTTC	TYPE THREE TRACTION GROUP CS CLASS 37 FOR LEASE
UKRL	UK RAIL LEASING LR ON LEASE
UKRM	UK Rail Leasing Non Mainline Locomotives
UKRS	UK RAIL LEASING LR STORED
WAAC	DB SCHENKER RAIL (UK) LTD. CE
WABC	DB SCHENKER RAIL (UK) LTD. CE RETB FITTED
WAEC	DBC Class 67 ETCS
WAWC	DB SCHENKER RAIL (UK) LTD. CE ARRIVA WALES HIRE
WBAI	DBC Class 66 ECR-UK
WBAR	DBC Class 66 Remote Monitoring

WBAT	DB SCHENKER RAIL (UK) LTD.	TO	GENERAL
WBBT	DB SCHENKER RAIL (UK) LTD.	TO	RETB FITTED
WBET	DBC Class 66 ETCS		
WBHT	DB Cargo regeared Class 66		
WBLT	DBC Class 66 Lickey Bankers		
WBRT	DB SCHENKER RAIL (UK) LTD.	TO	RHTT
WBVT	DB Cargo Class 66 for hire to Victa Railfreight		
WFAC	DB SCHENKER RAIL (UK) LTD.	CE	
WFBC	DB SCHENKER RAIL (UK) LTD.	CE	HS1 EQUIPPED
WFMS	DB SCHENKER RAIL (UK) LTD.	TO	FLEET MANAGEMENT UNIT - HOLDING POOL
WGEA	DB SCHENKER RAIL (UK) LTD.	AZ	EURO CARGO RAIL
WGEE	DB SCHENKER RAIL (UK) LTD.	EX	EASTERN EUROPE
WGEP	DB SCHENKER RAIL (UK) LTD.	PN	POLAND
WGER	DB class 66 for export to Romania		
WLAN	DB SCHENKER RAIL (UK) LTD.	DM	EURO CARGO RAIL - FRANCE
WNTS	DB SCHENKER RAIL (UK) LTD.	TO	STORED - TACTICAL - UNSERVICEABLE
WNXX	DB SCHENKER RAIL (UK) LTD.	HQ	STORED - UNSERVICEABLE/FOR SALE
WNZX	DB SCHENKER RAIL (UK) LTD.	HQ	LOCOS WITHDRAWN/DISPOSED/FOR SALE
WQAA	DB SCHENKER RAIL (UK) LTD.	HQ	LOCOMOTIVES STOPPED SERVICEABLE - GROUP 1A
WQBA	DB SCHENKER RAIL (UK) LTD.	HQ	STORED LOCOMOTIVES STORED SERVICEABLE - GROUP 2
WQCA	DB SCHENKER RAIL (UK) LTD.	HQ	STORED LOCOS FOR COMPONENT RECOVERY - GROUP 3
WQDA	DB SCHENKER RAIL (UK) LTD.	HQ	STORED LOCOMOTIVES SURPLUS - GROUP 4
WQNC	DBC Loco strategic store		
XHCS	DRS Class 68 Chiltern Support		
XHIM	DIRECT RAIL SERVICES	KM	INTERMODAL LOCOS
XHSC	Direct Rail Services - Coaches Operational		
XHSZ	DIRECT RAIL SERVICES	VARIOUS	WITHDRAWN LOCOS
XHTP	DRS Class 68 Trans Pennine		
XHVE	DIRECT RAIL SERVICES	KM	VOSSLOH LOCOS

XHVT	DIRECT RAIL SERVICES KM WEST COAST THUNDERBIRD LOCOS
XSDP	DRS locos for disposal

Owner

~	ARC Southern. Later to Hanson Aggregates Ltd
~	PRE
~	Test
~	Static cafe seating. Was previously electrification works vehicls.
~	Roof section only
~	~
~	
~	Steam Trust
~	Static cafe seating. Was previously electrification works vehicls.
125	intercity
125	IC
125	Inter City livery
125	BR intercity
125	Intercity 125 original - Blue and Grey with Yellow cab roof and lower stripe.
125	125 Group
125H	125 Heritage
125P	125 Preservation
20	Class 20189
2L	Class 20 Locomotives
37	Scottish 37 Group
40	Class 40 Preservation Society
40	Class 40 Preservation Society
400	400 Series Preservation Group
50	The Class 50 Alliance
50	Class 50 Alliance
56	Class 56 Locomotives
58L	Class 58 Locomotive Group
70	7029 Clun Castle
71	71A Locomotives
71	71A Group
73130	73 130 Ltd
AFS	Arlington Fleet Service
AK	Manchester Ardwick
AK	Akiem
ALS	Alstom

ALS	Alstom
AN	Andania Engineering
AN	Allerton (Liverpool)
ANG	Angel Trains
ANG	Anglia Railways Turquoise Blue with a White Stripe
ARR	Arriva Trains Holdings
ATS	Agility Trains
AVD	A V Dawson
BAR	Bardon Aggregates
BBL	Bluebell Railway
BBL	Bluebell Railway
BEA	Beacon Rail
BEA	Beacon Rail
BEA	Beacon Rail Blue
BG-BMDM	Bulmarket DM
BG-BZK	Bulgarian Railway Company
BG-DBCBG	DB Cargo Bulgaria
BG-DBSBG	DB Schenker Rail Bulgaria
BOD	Boden Engineering
BR	Bristol Bath Road
BR	Bardon Roadstone
BR	British Rail
BRL	Brodie Leasing
CAP	Cappagh
CAP	Cappagh - Blue
CAS	Caledonian Rail Leasing
CAS	Caledonian Sleeper - All over Midnight Teal
CDPG	Crewe Diesel Preservation Group
CDPG	Crewe Diesel Preservation Group
CFB	CFB Rail Ltd
CLT	Cross London Trains
COL	Colas Rail (Seco-Rail) France – Lime Green, Orange and Black with Colas Rail branding.
COL	Colas Rail
COL	Owner
COL	Colas Rail
CRW	Chiltern Railways
CRW	Chiltern Railways - White with Blue window surrounds, thin Red stripe & CR branding. Light Blue doors.
CW	Colwick
CW	Colwick (Rectory Junction)-Boden Rail
D05	D05 Preservation Group
DATA	Data Acquisition & Testing Services
DATA	DATS
DBC	DB CARGO UK
DBC	DBCUK

DBC	DB
DBC	DBS
DBC	DB Cargo red
DBC	EWS
DBC	DB CARGO Red
DCR	Devon and Cornwall Railway
DCR	Devon
DDG	Dales Diesel Group
DEPG	Diesel and Electric Preservation Group
DPS	Deltic Preservation Society
DRS	Direct Rail Services - Deep Blue with Light Blue or Dark Grey roof & DRS branding. (LHCS with Light Blue horizontal stripes).
DRS	Direct Rail Services
DRS	Direct Rail Services
DRS	DRSL
DTG	Diesel Traction Group
ECTA	East Coast Trains
ED	Glasgow Eastfield
ED	Ed Murray and Sons
EEP	English Electric Preservation
EKR4	East Kent Railway (in care of 400 Series Preservation Group)
EM	East Ham
EMR	East Midlands Railway
EMR	East Midlands Railway Purple with Colas Logo
EOM	Electromotive Diesel Services
EOR	Epping and Ongar Railway
EPL	Europhoenix
ERS	Eastern Rail Services
ESH	ESH Rail
ESH	ESH Rail Services - BR Two Tone Grey with Yellow ESH Logo
ETL	Electric Traction Services - Silver body with Red Cabs and ETL branding.
ETL	Electric Traction Ltd
EUI	Eurostar International
EUR	European Metals Recycling
EVL	Eversholt Rail
F-ECR	Euro CargoRail
FGP	First Group
FL	FLT
FL	Freightliner
FR	Fratton
GBRF	GB Railfreight
GBRF	GB Railfreight
GBRF	GBR
GCRE	Global Centre of Rail Excellence

GMFRS	Greater Manchester Fire and Rescue Service
GWR	GWR lined out Green with cast name and number plates.
GWR	Great Western Railway
HAH	Hanson and Hall
H-FLOYD	FLOYD ZRt.
H-FLOYD	FLOYD ZRt.
HNRC	Harry Needle Railroad Company
HNRC	HNR
HNRC	HNRS
HR-TRARI	Transagent d.o.o
HR-TRARI	Transagent d.o.o
HST	Original HST Blue & Yellow
HST	Heritage Shunters Trust
HTG	Heavy Tractor Group
HTP	Heritage Traction Preservation
KBR	Knorr Bremse Rail Systems - Green, White and Blue bands.
LNC	Lombard North Central
LOG	London Overground - All over White with Blue lower stripe, Black window surrounds and Orange doors. London Overground branding.
LOG	London Overground
LOG	London Overground
LOR	LORAM UK
LOR	LORAM Red and White
LOR	Loram - Red, White and Grey
LRC	Llangollen Railcars Ltd
LSL	LSLO
LSL	Locomotive Services Ltd
LSL	Locomotive Services Limited
MAR	~
MAR	~
MAR	Maroon
MAR	Faded Maroon
MAR	Fading Maroon
MAR	Maroon lined out in Straw and Black (BR or LMSR style).
MCLR	McLaren Rail
MD	Merehead
MDR	Mendip Rail
MDR	Mendip Rail
MGN	Midland & Great Northern Joint Railway Society
MGN	M and GN Society
MNR	Mid Norfolk Railway Preservation Trust
MOD	Ministry Of Defence
MPO	Meteor Power
MTR	Merseytravel
N31	Northamptonshire 31 Group

NEM	Nemesis Rail
NEM	Nemesis Rail - White with red doors, dark blue Stripe along windows and a wide grey stripe with a narrower red stripe below the windows
NEM	Nemesis Rail
NNR	North Norfolk Railway
NNR	North Norfolk Railway PLC
NRL	Network Rail Locomotives/Departmentals - Yellow with Grey/Black roof and NR logos
NRL	Network Rail
NRL	Network Rail
NRL	NR
NRM	National Railway Museum
NRM	National Railway Museum
NRM	National Railway Museum
NSERS	Network South East Railway Society
NYM	North Yorkshire Moors Railway Enterprise
NYM	North Yorkshire Moors Railway
PL-DBSRP	DB Cargo Polska S.A.
PL-FPL	Freightliner PL Sp. z o.o.
PO	Polmadie
PO	Other Private Owner
PPL	Peter Pan Locomotives Company
PRE	Preservation Society
PRV	Private
PRV	Private Owner
PRV	Private owners
PRV	Private Members
PRV	PR
PRV	PTE
PRV	Private Owners/Industrial Liveries.
PTR	CRI
PTR	CRI
PTR	Porterbrook
PTR	Porterbrook - Blue
PTR	Porterbrook Leasing
QWR	QW Rail Leasing
RADVE	RailAdventure
RADVE	Rail Adventure
RES	Rail Engineering Services
RES	Rail Express Systems - 1/3 Dark Grey & 2/3 Red with Blue markings, Black cab doors and RES Logos.
RIV	Riviera Trains - Locomotives - Oxford Blue with Yellow cab fronts and window surrounds.
RIV	Riviera Trains
RIV	Riviera Trains

RML	Royal Mail - Red with Yellow Stripes & RM Logos & branding.
RMS	RMS Locotech - Blue
RMS	RMS Locotec
RO-DBSR	SC Deutsche Bahn Cargo Romania SRL
ROMIC	ROMIC Group Limited
RRH	Rock Rail Holdings
RSS	Rail Support Services grey
RSS	Railway Support Services
RUS	Russell Logistics
SBE	Steve Beniston
SCR	Scotrail
SEM	SembCorp Utilities UK
SHW	Shaun Wright
SMBCL	SMBC Leasing
SRPS	Scottish Railway Preservation Society
SRPS	SRP
SRS	Sonic Rail Services
TFL	Transport For London
TFL	LU
TFL	LUL
TFL	TFL - White with dark blue solebar and doors, with a yellow front
TFW	Keolis/Amey - Transport for Wales - White with Red with Red stripe & Red doors & Decals
TFW	Transport For Wales
TJT	TJT Rail Ltd
UKR	UK Rail - Railfreight Grey with Yellow cabs.
UKR	UK Rail Leasing
VAR	Varamis Rail
VAR	Varnished Woodwork and Cream
VGO	Victoria Group
VIV	VIVA RAIL
VIV	Viva Rail - White and 2 tone purple
VTN	VIN
VTN	Vintage Trains
VTN	Vintage Trains
VTN	Vintage Trains
WAB	Wabtec Rail Limited - Black with Red & White Wabtec Logos & branding.
WAB	Wabtec Rail Group
WCRC	WCR
WCRC	West Coast Railway Company
WMT	West Midlands Trains
XXX	Scrapped/Unknown
XXX	RX

XXX	Scrapped

Depot

~	ARC Southern. Later to Hanson Aggregates Ltd
~	PRE
~	Test
~	Static cafe seating. Was previously electrification works vehicls.
~	Roof section only
~	~
~	
~	Steam Trust
~	Static cafe seating. Was previously electrification works vehicls.
AD	Ashford Hitachi
AK	Manchester Ardwick
AK	Akiem
AL	Aylesbury
AN	Andania Engineering
AN	Allerton (Liverpool)
AZ	Alizay Nr. Rouen - France
BD	Birkenhead North
BF	Bedford Cauldwell Walk
BG	Hull Botanic Gardens Fp
BG	BR Blue and Grey
BG	Hull Botanic Garden
BG	Blue and Pearl Grey
BG	BR Blue and Grey
BH	Barrow Hill Roundhouse
BI	Brighton Lovers Walk
BK	Bristol Barton Hill
BL	Shackerstone (Battlefield Line)
BM	Brunner Mond
BM	Bournemouth West
BN	Bounds Green
BO	Bo'ness (West Lothian)
BQ	Bury (East Lancs Railway)
BR	Bristol Bath Road
BR	Bardon Roadstone
BR	British Rail
BS	Bescot
BT	Bombardier Transportation
BT	Bo'ness

BU	Burton Wetmore (Nemesis Rail)
BY	Blue/Yellow
BY	Blue / Yellow
BY	Blue/Yellow
BY	Bletchley
CB	Crewe Basford Hall
CE	Crewe Electric
CF	Cardiff Canton
CG	Crewe Gresty Lane
CH	Chester
CK	Glasgow Corkerhill
CL	Crewe LNWR
CN	Castle Donnington RFT
CP	Crewe Carriage Sidings
CQ	Crewe Heritage Centre
CS	Carnforth
CW	Colwick
CW	Colwick (Rectory Junction)-Boden Rail
CZ	Burton Central Rivers
DA	Daventry
DE	East Dereham (Mid Norfolk Railway)
DF	Derby Rve/Rtc
DI	Didcot Railway Centre
DM	Dagenham
DN	Doncaster Carr
DR	Doncaster Belmont Yard
DY	Derby Etches Park
EC	Edinburgh Craigentinny
EH	Eastleigh
EM	East Ham
EP	Ely Papworth's
EX	Exeter St. Davids
FD	Mobile Maintenance (Freightliner Diesels)
FE	Mobile Maintenance (Freightliner Electrics)
FX	Felixstowe
GA	Gascoigne Wood Sidings (South Milford)
GD	Glen Douglas
GW	Glasgow Shields
GY	Rye Farm - Wishaw - Sutton Coldfield
HA	Haymarket
HE	Hornsey
HO	Holbeck
HQ	Headquarters
HT	Newcastle Heaton
IL	Ilford
IN	Industrial Site

IP	Ipswich
IS	Inverness
KK	Kirkdale (Liverpool)
KM	Carlisle Kingmoor
KP	Kimberly Park Mid Norfolk Railway (Store)
KR	Severn Valley Railway (Kidderminster)
KT	Kineton
LA	Laira
LB	Loughborough (Brush Works)
LD	Leeds Midland Road
LE	Swansea Landore
LM	Long Marston
LO	Manchester Longsight Diesel
LP	Longport (Stoke-On-Trent)
LR	Leicester
LU	London Underground
LU	Ludgershall
LW	Longtown (Smalmstown)
MA	Manchester International
MD	Merehead
MN	Machynlleth
MW	Marchwood Military Port
NC	Norwich Crown Point
NG	New Cross Gate
NH	Manchester Newton Heath
NL	Neville Hill
NM	Nottingham Eastcroft
NN	Northampton Kings Heath
NP	North Pole (London)
NT	Southampton
NU	Sheffield Nunnery
NY	Grosmont (North Yorkshire Moors Railway)
NZ	Newton Aycliffe (Hitachi)
OC	Old Oak Common
OD	Old Dalby
OO	Old Oak Common Hst
OY	Oxley
PB	Peterborough
PG	Peterborough New England
PM	Bristol St. Philip's Marsh
PM	Bristol ,St Philips Marsh
PN	Rybnik/Poznan - Poland
PO	Polmadie
PO	Other Private Owner
PR	Private Preservation Sites
PR	Preserved Location

PZ	Penzance (Long Rock)
RG	Reading
RJ	Colwick Rectory Junction (COLAS)
RL	Ropley (Mid Hants Railway)
RM	Ramsgate
RM	Robert Mortimer
RO	Rowsley (Peak Rail)
RR	Railway Retreats
RR	Doncaster Roberts Road
RU	Rugby Rail Plant
RY	Ryde
SA	Salisbury Fisherton Yard
SE	St. Leonards-On-Sea
SG	Slade Green
SH	Southall Railway Centre
SJ	Stourbridge Junction
SK	Swanwick (Midland Railway Centre)
SL	Stewarts Lane
SM	National Rly Museum - Shildon
SO	Soho
SP	Springs Branch
SS	Salillas/Calatayud
SU	Selhurst
SV	Wembley Brent Heavy Repair Depot
SW	Swanage Railway
SZ	Southampton Maritime
TB	Tamar Belle
TB	Three Bridges
TM	Tyseley Locomotive Works
TN	Tonbridge (GB Railfreight)
TO	Toton
TP	Barton Dock (Trafford Park)
TS	Tyseley
TW	Taff's Well Tram-Train Depot
WB	Wembley Traincare
WD	East Wimbledon
WF	Wansford (Nene Valley Railway)
WG	Whitemoor Yard
WH	Whatley
WN	Willesden
WO	Wolsingham (Weardale Railway)
WQ	Headquarters
WS	Worksop (HNRC Swietelsky)
WX	Widnes (Alstom)
WY	Westbury Yard
XW	Crofton

XX	Not Yet Allocated
YA	Great Yarmouth
YK	York Leeman Road
YM	National Rly Museum - York
ZA	Rtc Business Park, Derby
ZB	Doncaster
ZD	Derby Litchurch Lane
ZF	Doncaster(Closed)
ZG	Eastleigh Works
ZH	Glasgow Springburn
ZK	Kilmarnock Caledonia
ZN	Wolverton
ZO	Emr Kingsbury/Various
ZR	Holgate Works York
ZT	T J Thomson Stockton

Name field

**	Name no longer carried

UK: UK Mainline

This dataset is a fleet list for all locomotives and units running on UK mainlines from the year 2000 onwards.

The list includes UK mainline railway diesel and electric locomotives and multiple unit rolling stock.

This dataset does not include:

- Preserved locomotives and units (unless they ran on the mainline prior to preservation and since 2000)
- London Transport (TFL) units
- Trams or Preserved trams
- Coaching Stock
- Industrial Locomotives
- Narrow gauge stock, or Smaller gauge stock
- Departmental stock

See also UK70 for locomotives, railcars and unit from 1970-2000, and UKMISC for those random things that don't really belong in any of the main UK sets.

Shunter

01/5

Various diesel shunters



John J Cordrey

Gauge	1435mm
Builder	Misc
Wheel Arrangement	0-4-0/0-6-0

Number	Name			Note	Base	Livery
01501		*627, 664*	X			DLL
01502		*628, 665*	X			DLL
01503		*629, 666*	X			DLL
01504		*630, 667*	E	0-6-0DH	The Bong Mine, Liberia	
01505		*626, 663*	X			DLL
01506		*631, 668*	X			DLL
01507	VENOM	*425, 459519, Hulk*			MCL Rail Ltd, Gascoigne Woods	GRN
01508		*428, 466617*			Arlington Fleet Services - Eastleigh Works	GRN

Shunter

01509	LESLEY	*433, 468043*		Chiltern DMUD - Aylesbury	BLU
01510		*272, V320*		Defence Munitions - Longtown	DLL
01511		*275, V323*		Defence Munitions - Longtown	DLL
01512	CONDUCTOR	*275, V319, 76699*		DSDC - Bicester	DLL
01513	Greensleeves	*270, V318, 318V, 76638*		Hunslet Engine Company, Barton-under-Needwood	DLL
01514		*277, V332, 76634*		Defence Munitions - Longtown	DLL
01515		*273, V321, 76629*	A	W. H. Davis	DLL
01520		*274, V322*	A	W. H. Davis	DLL
01521	Flack	*278, V333*		DSDC - Bicester	DLL
01522		*254, 272V*		MOD Ludgershall	DLL
01523		*259, 299V*		Marchwood Military Port	DLL
01524		*261, 301V*	O	DSDC - Bicester	DLL
01525	Draper	*264, 306V*		DSDC - Bicester	DLL
01526		*265, 307V*	S	HNRC Worksop	DLL
01527		*266, 274V*		DSDC - Bicester	DLL
01528		*267, 309V*		Defence Munitions - Glen Douglas	DLL
01529		*268, 310V*	A	Daventry IRFT	DLL
01530	Dolly	*269, 311V*	A	HNRC Worksop	SWZ
01531	COLONEL TOMLINE	*H432, 7018, 6578*	W	Peak Rail	028
01541		*260, 300V*	S	Marchwood Military Port	DLL

Shunter						
01542		*262, 302V*	S		Marchwood Military Port	DLL
01543		*263, 303V*	S		W. H. Davis	DLL
01544		*252, 270V*	S		Quinton Rail Technology Centre, Long Marston	DLL
01545	RIVER EDEN**	*253, 271V*	S		HNRC Worksop	DLL
01546		*255, 273V*	S		East Kent Railway	DLL
01547		*256, 308V, 266*	S		HNRC Worksop	DLL
01548	MEXEFLOTE**	*257, 275V*	S		Defence Munitions - Glen Douglas	DLL
01549	MULBERRY	*258, 298V*			Hunslet Engine Company, Barton-under-Needwood	DLL
01550	Storeman	*271, V324*			DSDC - Bicester	DLL
01551	LANCELOT	*H016, D1122*			Siemens - Ardwick	WAB
01552		*167V*	S		EMR, Kingsbury	029
01555	JAMES	*288V*	S		T J Thomson, Stockton-on-Tees	GRN
01556	MSC D6	*D6, D1191*	X	0-6-0DM		
01557	Karen	*10147, 3004*	X	0-6-0DH		
01558		*DH23, 10226*	P	4wDH	Ribble Steam Railway	BLUE
01559		*DH24, 10227*	X	4wDH		
01560	Trafford Park Site Shunter	*10229, DH26*	S		Hunslet Engine Company, Barton-under-Needwood	PRV
01562	CHUG	*257V, 6*	I		HNRC Barrow Hill	BREEDON
01565	MSC3001	*3001, 10144*	A	0-6-0DH Yard Shunter	C F Booth's, Rotherham	PRV
01567	ELIZABETH	*276V*			A V Dawson, Middlesborough	GRN

Shunter

01568	HELEN	*01554, 264V*	P		Chasewater Railway	GRN
01569	EMMA	*281V*	S		British Steel, Lackenby Works	GRN
01570	BLUE JOHN	*773*			Hope Cement	XXX
01571	Alex	*261V, L124, 124, CORAL, 40-008, 40008, 40, 008*	S		ICL UK, Cleveland	XXX
01572	KATHRYN	*10256, 01561*			British Steel, Skinningrove	PRV
01573		*H006, 6294, 15*	S	0-6-0DH	Eastern Rail Services, Yarmouth	
01574	Isaac	*406, P406D, 10150*	S	0-6-0DH	RSS Wishaw	
01575		*293V*	S	0-6-0DH	Reid Freight Services, Cockshute Sidings	
01578	Laura	*6767, 646*		0-6-0DH	C F Booth's, Rotherham	
01581	Magnum	*TM4150, LGN971310798*		Trackmobile LTD 4wDM	Land Recovery Ltd, Stoke	
01582	DL2	*H057, 10177*	S	4wDH	Eastern Rail Services, Yarmouth	
01583	Valiant	*459517, 422*	P	0-6-0DH	Moreton Park Railway - Hereford	GRN
01584	Pete Waterman	*482*		0-4-0DH	Brodie Engineering, Caledonia Works	
01585	Scaz	*459518, 423*				035

Shunter

12049		*12082, 01553*	P	Carries number 12049 (original 12049 scrapped 2010) When re-registered for national network was allocated 01553	Mid Hants Railway	GRN
12082		*01553*	S	THIS IS A DUPLICATE OF https://www.spotlog.org/LocoList/Class/UKP/12082	Mid Hants Railway	???
12083		*01563, M413, 201276*	Z	When re-registered for national network was allocated 01563. Engine being recovered	Great Central Railway	BLK
12083		*01563*		THIS IS A DUPLICATE OF https://www.spotlog.org/LocoList/Class/UKP/12083	Battlefield Line	BLK
12088	Shirley	*01564*	R	When re-registered for national network was allocated 01564	Aln Valley Railway	GRN
D9504		*506, 01566, 89104*	P	When re-registered for national network was allocated 01566	Kent & East Sussex Railway	GRN
D9529		*14029, 01577*	P	When re-registered for national network was allocated 01577	Nene Valley Railway	BRB

03

Class 03 Diesel Shunter



John J Cordrey

The British Rail Class 03 locomotive was, together with the similar Class 04, one of British Railways' most successful 0-6-0 diesel-mechanical shunters. 230 were built at Doncaster and Swindon works between 1957 and 1962, and were numbered D2000-D2199 and D2370-D2399 (later 03004 to 03399). D2370 and D2371 were used as departmental locomotives and originally numbered 91 and 92 respectively.

Most remaining examples are now in industrial use or preservation.

Gauge	1435mm
Builder	BR Swindon, Doncaster
Max Speed	28.5mph
Introduced	1957-61
Length	7920mm
Width	2590mm
Height	3720mm / 3610mm
Weight	30.7t
Engine	Gardner 8L3
Transmission	Diesel Mechanical
Power	152kW
TE	69.6kN
Driving Wheel Dia	1092mm
Wheelbase	2740mm
Wheel Arrangement	0-6-0
Withdrawn	2008

Number	Name			Note	Base	Livery
03020		*D2020, 11207*	S	Sonic Rail Services	Mangapps Railway Museum	BRB
03022		*2022, D2022, 11209*	S		Swindon and Cricklade Railway	BRB
03027		*D2027*	S		Peak Rail	BRB
03037		*D2037*	P		Royal Deeside Railway	BLK
03063	Paul A. Mobbs	*D2063*	P		Mid Norfolk Railway	BRB
03066		*D2066*	P		Barrow Hill	BRB
03072		*D2072*	P		Lakeside & Haverthwaite Railway	GRN
03073		*D2073*	P		Crewe Heritage Centre	BRB
03078		*D2078*	P		Stephenson Railway Museum	BLK
03079		*D2079*	P		Derwent Valley Light Railway	BRB
03084		*D2084*	P		Embsay & Bolton Abbey Steam Railway	GRN
03089		*D2089*	P	J Jolly	Mangapps Railway Museum	BRB
03094		*D2094*	P		Royal Deeside Railway	GRN
03099		*D2099*	P		Peak Rail	BRB
03112		*D2112*	P		Rother Valley Railway	GRN
03113		*D2113*	P		Peak Rail	BRB
03118		*D2118*	P		Great Central Railway (Nottingham) Ltd	BRB
03119	LINDA**	*D2119*	P	Reduced Height Loco (at Lydney for a service)	Gwendraeth Valley Railway	BRB

Shunter

03120		*D2120*	P	Reduced Height Loco	Fawley Hill Railway	GRN
03134		*D2134*	O		Royal Deeside Railway	GRN
03141		*D2141*	P	Reduced Height Loco	Gwendraeth Valley Railway	
03144	Western Waggoner**	*D2144, 2144, MoD2144*	P	On loan from MoD	Wensleydale Railway	BRB
03145		*D2145*	P	D2578LG Reduced Height Loco	Moreton Park Railway - Hereford	BRB
03158	MARGARET - ANN**	*D2158*	P	Amber Valley Loco Group	Mangapps Railway Museum	GRN
03162		*D2162*	P		Llangollen Railway	BRB
03170		*D2170*	P		Epping & Ongar Railway	BRB
03179	CLIVE	*D2179*	P		Isle of Wight Steam Railway	NSE
03180		*D2180*	P		Peak Rail	BRB
03189		*D2189*	R		Ribble Steam Railway	BRB
03196		*D2196, 40*	S		W.D. Smith, Aysgarth Station	GRN
03197		*D2197*	P		Mid Norfolk Railway	BRB
03399		*D2399*	P		Mangapps Railway Museum	BRB
D2018		*11205, 03018*	P		Mangapps Railway Museum	GRN
D2023		*11210*	P		Kent & East Sussex Railway	GRN
D2024		*11211, 4*	S		Kent & East Sussex Railway	GRN
D2041			P		Colne Valley Railway	GRN
D2046			P		Colne Valley Railway	
D2051			S		Telford Steam Railway	GRN

Shunter

D2059		*03059*	P		Isle of Wight Steam Railway	BLK
D2062		*03062*	P		East Lancashire Railway	GRN
D2069		*03069*	P		Gloucestershire Warwickshire Steam Railway	GRN
D2081		*03081*	P	J Jolly	Mangapps Railway Museum	BRB
D2090	Vin	*03090*	P		Gwili Railway	GRN
D2117		*8*	P		Lakeside & Haverthwaite Railway	RED
D2128		*03128, 03901*	P		Peak Rail	BLK
D2133			P		West Somerset Railway	GRN
D2138			P		Midland Railway - Butterley	GRN
D2139		*D2000*	P		Peak Rail	GRN
D2148			R		Ribble Steam Railway	GRN
D2152		*03152*	P		Swindon and Cricklade Railway	GRN
D2178			P	Caerphilly Rly Society	Gwili Railway	GRN
D2184			P		Colne Valley Railway	BLK
D2192	TITAN		P		Dartmouth Steam Railway	BLK
D2199			P		Peak Rail	GRN
D2371		*03371, 92*	P		Dartmouth Steam Railway	BRB
D2381		*03381*	P		West Coast Railway Co. Carnforth	GRN

08

Class 08 Shunter Gronk



The British Rail Class 08 is a class of diesel-electric shunting locomotive built by British Railways (BR). As the standard BR general-purpose diesel shunter, the class became a familiar sight at major stations and freight yards. Since their introduction in 1952, however, the nature of rail traffic in Britain has changed considerably. Freight trains are now mostly fixed rakes of wagons, and passenger trains are mostly multiple units or have Driving Van Trailers, neither requiring the attention of a shunting locomotive. Consequently, a large proportion of the class has been withdrawn from mainline use and stored, scrapped, exported or sold to industrial or heritage railways.

As of 2020, around 100 locomotives remained working on industrial sidings and on the main British network. On heritage railways, they have become common, appearing on many of the preserved standard-gauge lines in Britain, with over 70 preserved, including the first one built.

Gauge	1435mm
Builder	BR Crewe, Darlington, Derby, Doncaster, Horwich
Max Speed	15/20mph
Introduced	1952-62
Length	8920mm
Width	2590mm
Height	3880mm / 3600mm (08/9)
Weight	50.4t - 51.8t
Engine	English Electric 6KT
Transmission	Diesel Electric
Power	261kW

Shunter

TE	160kN
Driving Wheel Dia	1372mm
Wheelbase	3510mm
Wheel Arrangement	0-6-0

Number	Name			Note	Base	Livery
08077		*D3102, 13102*	X			
08202		*D3272, 13272*	P		Llangollen Railway	BRB
08345		*D3415*	X			
08375		*H023, D3460, PB357, 357*	I	Carries PB357 as number	RSS Wishaw	RMS
08377		*D3462*	P		Avon Valley Railway	GRN
08389	Noel Kirton OBE**	*D3504*	S		HNRC Barrow Hill	EWS
08393	Molly's Day**	*D3508*	X			
08401		*D3516*	P		West Somerset Railway	BRB
08405		*D3520*		Temporarily at Heritage Rail Traction, Bolton	East Lancashire Railway	EWS
08410		*D3525*			A V Dawson, Middlesborough	GRN
08411		*D3526*	S	Spares donor.	RSS Wishaw	BRB
08417		*D3532*	S		HNRC Worksop	NRL
08418		*D3533*			West Coast Railway Co. Carnforth	EWS
08423	LOCO 2	*H011, 14, D3538, 2*			Positive Traction, Chesterfield	RMS
08428		*D3543*	S		Positive Traction, Chesterfield	EWS
08441		*D3556*			Abellio, Norwich	RSS
08442	Richard J Wenham Eastleigh Depot	*D3557, 0042*			Hunslet Engine Company, Barton-under-Needwood	005

Shunter

08445		*D3560*			Daventry IRFT	MAL
08447		*D3562*			Deanside Transit	
08449		*D3564*	X			BRB
08451	Loopy Lou, LONGSIGHT TMD** M. A. SMITH**	*D3566*			Alstom Ltd, Wembley Traincare	BRB
08454		*D3569*			Alstom Ltd, Widnes	BRB
08460	Spirit of the Oak	*D3575*			Northern Trains, Neville Hill	RSS
08472	Injan Ifor**	*D3587*	P		East Lancashire Railway	WAB
08480	Toton No.1	*D3595*			LNER, Edinburgh Craigentinny	RSS
08483	DUSTY Driver David Miller**, Bungle	*D3598*	A		LSL, Upperby	BLK
08484	CAPTAIN NATHANIEL DARELL	*D3599*		On hire to Greater Anglia.	Abellio, Norwich	RSS
08485		*D3600*			West Coast Railway Co. Carnforth	BRB
08492		*D3607*	X			
08493	Janet**	*D3608*	X			
08495	Noel Kirton OBE	*D3610*			Nemesis Rail, Burton-on-Trent	EWS
08499	REDLIGHT	*D3654*			Colas Rail, Cardiff Canton	BRB
08500		*D3655*	X			
08502	Lybert Dickinson**	*D3657*	P		Battlefield Line	BLU
08503		*D3658*		Barry Island Railway for hire contract.	Barry Tourist Railway	
08507		*D3662*	A		LNER, Edinburgh Craigentinny	RIV
08511		*D3673*	A		Chinnor & Princes Risborough Railway	RSS

Shunter

08514		*D3676*	X		
08516	RORY	*D3678*			011
08517		*D3679*	X		
08523		*D3685*		Electro-Motive Diesel, Longport	RMS
08525	Duncan Bedford	*D3687*		Northern Trains, Neville Hill	EMT
08527		*D3689*	A	GBRF, Peterborough	HNR
08529		*D3691*	X		
08530		*D3692*	S	Nemesis Rail, Burton-on-Trent	GEN
08531		*D3693*	A	Nemesis Rail, Burton-on-Trent	GEN
08536		*D3700*		Great Central Railway (Nottingham) Ltd	SBB
08541		*D3705*	X		
08556		*D3723*	P	North Yorkshire Moors Railway	GRN
08561		*D3728*	X		
08567	John Arlington Stephens - 20th May 1925 to 19th July 1984	*D3734*			EWS
08568	St. Rollox	*D3735*		RSS Wishaw	
08569		*D3736*	X		
08571		*D3738*		HNRC Worksop	WAB
08573	Bob	*D3740*		Alstom Ltd, Ilford	RMS
08575	The Doncaster Postman**	*D3742*	S	Nemesis Rail, Burton-on-Trent	FLG
08578	Lybert Dickinson**	*D3745*	S	HNRC Worksop	EWS
08580		*D3747*		Tyseley Locomotive Works	RSS
08582		*D3749*	X		

Shunter

08585	Vicky	*D3752*	A		Freightliner, Trafford Park	GEN
08588		*17, D3755*			Alstom Ltd, Ilford	RMS
08593	Colchester TMD**	*D3760*	S	Spare parts donor.	RSS Wishaw	EWS
08594	Ely**	*D3761*	X			
08596	H006	*D3763*			HNRC Worksop	WAB
08597		*D3764*	X			
08598	Hercules	*D3765*			A V Dawson, Middlesborough	009
08600	Phoebe	*97800, D3767, Ivor*	D	Engine replaced with water butt, to be displayed on a roundabout to celebrate 200 years of the S&D railway branch to Middlesborough, carries special livery	Riverside Park Roundabout, Middlesborough	S200
08602	Buxton** Clarence**	*004, D3769*	X			
08605	WIGAN2**, G. R. WALKER**, Jermaine	*D3772*	S		RSS Wishaw	ICS
08607		*D3774*	X			
08611	Dewsnap** Downhill CS	*D3778*			Alstom Ltd, Wembley Traincare	SBB
08613	Loco 3	*H064, D3780, 3*	S		Positive Traction, Chesterfield	RMS
08615	UNCLE DAI	*D3782*			Tata Steel, Shotton	HUN
08616	Tyseley 100	*D3783*			WMT, Tyseley	LMI
08617		*D3784*			Oxley Traincare Centre	BRB
08622		*H028, 19, D3789*	A		Hanson Cement, Ketton	BLK

Shunter					
08623		*D3790*	S	Tyseley Locomotive Works	DBS
08624	Rambo Paul Ramsey	*D3791*		Freightliner, Ipswich	GEN
08629	BRML WOLVERTON LEVEL 5	*D3796*	A	Gemini Traincare, Wolverton Works	RSS
08630	Bob Brown**	*D3797, Celsa 3, 3*	I	Hope Cement	CEL
08631	Eagle C.U.R.C.**	*D3798*	P	Locomotive Services, Crewe	BRB
08632		*D3799*	S	Gemini Traincare, Wolverton Works	LOR
08633	The Sorter**	*D3800*	P	Nemesis Rail, Burton-on-Trent	GRN
08641	Fred	*D3808, Pride of Laira*		GWR, Laira	024
08643		*D3810*	I	Aggregate Industries, Merehead Stone Terminal	BRB
08644	Laira Diesel Depot 50 Years 1962-2012	*D3811*		GWR, Laira	BRB
08645	Mike Baggott**, St. Piran	*D3812*	S	GWR, Long Rock	KNB
08646		*D3813*	X		
08648	Old Geoff 2	*D3815, H065*		Scotrail, Inverness	GTO
08649	Bradwell**	*D3816*	S	RSS Wishaw	KBR
08650	ISLE OF GRAIN	*D3817*		Hanson Aggregates, Whatley Quarry	030
08651		*D3818*	X		
08652		*D3819*	I	RSS Wishaw	BRB
08653	'Lydia' Star of the Humber, Vernon**	*D3820*	I	Phillips 66	GRY
08662		*D3829*	X		

Shunter

08664	Don Gates 1952-2000**	*D3831*	X		
08665		*D3832*	X		
08668		*D3835*	X		
08669	Bob Machin**	*D3836*		Wabtec, Doncaster	WAB
08670		*D3837*	P	Telford Steam Railway	RSS
08676	DAVE 2	*D3843, 6*	S	Battlefield Line	EWS
08678	Old Artilla	*D3845*	S	West Coast Railway Co. Carnforth	WCR
08682	Lionheart	*D3849*		Battlefield Line	
08683		*D3850*	I	Phillips 66	RSS
08685		*D3852*	S	Battlefield Line	EWS
08690	Maintrain** DAVID THIRKILL	*D3857*	S	Northern Trains, Neville Hill	EMT
08691	Terri	*D3858*		Freightliner, Ipswich	GEN
08695		*D3862*	X		
08696	LONGSIGHT TMD	*D3863*		Alstom Ltd, Polmadie	SBB
08697	Ashburys**	*D3864*			
08699		*D3866*	X		
08700			I	Ford, Halewood	BRB
08701	Tyne 100	*D3868*	S	Battlefield Line	RES
08703	Rapid**, Jermaine**, Steve Blick (Concrete Bob) Shunterspot	*D3870*	A	Chinnor & Princes Risborough Railway	GBU
08704		*D3871*	P	Dartmouth Steam Railway	RIV
08706		*D3873*	P	Colne Valley Railway	EWS
08709	Molly's Day**	*D3876*	S	RSS Wishaw	EWS
08711	EAGLE C.U.R.C.**	*D3878*	S	Nemesis Rail, Burton-on-Trent	RES

Shunter

08714	Cambridge Railway Circle	*D3881*	S	HNRC Worksop	EWS
08721	Downhill C.S.**, Ken Davies	*D3889*	A	Alstom Ltd, Widnes	BRB
08724		*D3892*		Wabtec, Doncaster	WAB
08728		*D3896*	X		
08730	The Caley	*D3898*	A	RSS Wishaw	ABP
08734		*D3902*	X		BRB
08735	Geoff Hobbs 42	*D3903*		Arriva Traincare, Eastleigh	
08736		*D3904*	X		
08738	Silver Fox**	*D3906*	S	EMR, Kingsbury	RSS
08742	Tornado**	*D3910*	S	Positive Traction, Chesterfield	RES
08743	Bryan Turner	*D3911*		SembCorp Wilton	ENT
08745		*D3913*	X		
08750		*D3918*	X		
08752	Lenny	*D3920*		Imerys Rock Works - Bugle, Cornwall	RSG
08754		*D3922, H041*		Scotrail, Haymarket Depot	
08756		*D3924, H039, H059*		Loram, Derby RTC	
08757	EAGLE CURC**	*D3925*	P	Telford Steam Railway	RES
08762	Old Tom**	*D3930*		Peak Rail	RMS
08764	003 Florence	*D3932, 003*	A	Alstom Ltd, Polmadie	BRB
08765		*D3933*	S	Battlefield Line	HNR
08774	Arthur Vernon Dawson	*D3942*	S	A V Dawson, Middlesborough	
08782	CASTLETON WORKS	*D3950*	S	Positive Traction, Chesterfield	COR
08783		*D3951*	S	RSS Wishaw	EWS

Shunter

08784	Cherwell**	*D3952*	P		Great Central Railway (Nottingham) Ltd	EWS
08785	Clarence**	*D3953*	I		Freightliner, Southampton	GEN
08786	Wilf**	*D3954*	S		Positive Traction, Chesterfield	BRD
08788	Caergybi**	*D3956, LOCO 2, 2*	A		Peak Rail	
08790	Steve Purser**, Starlet**, MA SMITH**, Longsight TMD	*D3958*			Alstom Ltd, Wembley Traincare	BRB
08792	Plymouth**	*D3960*	X			
08795		*D3963*	P	On loan from Llanelli & Mynydd Mawr Railway.	Chrysalis Rail, Landore	BLK
08798	LAURA**	*D3966, 798*	P		Battlefield Line	EWS
08799	Ian Goddard	*D3967, Andy Bower*	A		HNRC Worksop	HNS
08802	Alf Golding/Muff**	*D3970*	X			
08804	RICHARD J. WENHAM**	*D3972*	S		Battlefield Line	EWS
08805	Concorde**Robin Jones - 40 years service, British Rail Old School 1948-1997**Hunslet	*D3973*			Hunslet Engine Company, Barton-under-Needwood	RFA
08809		*D3977*			Hanson Cement, Ketton	RMS
08810		*D3978*			Arriva Traincare, Eastleigh	011
08813		*D3981*	X			
08818	MOLLY	*D3986*	A		GBRF, Felixstowe	GBU
08819		*D3987*	X			
08822	Dave Mills**	*D3990, Ivor*	A		LNWR, Bletchley	ICS
08823	LIBBIE**, KEVLA	*D3991*	I		Tata Steel, Shotton	HUN

Shunter

08824	Pussy**	*IEMD001, D3992*	S	Numbered IEMD01 in place of 08824.	HNRC Worksop	BLK
08825		*D3993, 97808*	S		Chinnor & Princes Risborough Railway	NSE
08827		*D3995*	X			
08830		*D3998*	S		RSS Wishaw	BRB
08834		*D4002*			Northern Trains, Allerton	HNR
08836		*D4004*			GWR, Long Rock	GWT
08842	Don Gates 1952-2000**	*D4010*	X			
08844	CHRIS WREN 1955-2002**	*D4012*	X			
08846		*003, D4014*	S		GBRF, Whitemoor	BLU
08847		*D4015, LOCO 1, 1*			PD Ports, Teesport	CWR
08850		*D4018*	P		North Yorkshire Moors Railway	BRB
08853		*D4021*	A		Hitachi, Newton Aycliffe	WAB
08854	Bradshaw**	*D4022*	X			
08856		*D4024*	X			
08865	GILLY**	*D4033*			HNRC Worksop	EWS
08866		*D4034*	X			
08868		*D4036*			Locomotive Services, Crewe	
08869	The Canary**	*D4037*	X			
08870	H024	*D4038*			Eastern Rail Services, Yarmouth	ICS
08871		*D4039, H074*	I		PD Ports, Teesport	RMS
08872	TONY LONG STRATFORD DEPOT 1971-2002**	*D4040*	S		RSS Wishaw	EWS

Shunter

08873		*D4041*	X			
08874	Catherine	*D4042*	R		Positive Traction, Chesterfield	SLF
08877	Wigan 1	*D4045*	A		GBRF, Whitemoor	HNR
08879	Sheffield Children's Hospital**	*D4047*	S		Hope Cement	EWS
08885	Mars**	*H042, D4115*			Positive Traction, Chesterfield	GBU
08886		*D4116*	X			
08887	Thunderbird**, Dave Short	*D4117*			Alstom Ltd, Longsight	BRB
08888	Postman's Pride	*D4118*	P	On loan from Kent & East Sussex Railway	Dean Forest Railway	104
08891	J.R. 1951-2005	*D4121*			GBRF, Felixstowe	GEN
08892	Devious, BRML Eastleigh Works**	*D4122*	A		GBRF, Whitemoor	SWI
08899	Midland Counties Railway 175 1839-2014	*D4129*			RSS Wishaw	CLA
08903	John W Antill**	*D4133*			SembCorp Wilton	
08904		*D4134*				EWS
08905	Danny Daniels**	*D4135*	S		Battlefield Line	EWS
08908	Ted** Ivan Stephenson	*D4138*	S		Northern Trains, Neville Hill	EMT
08909		*D4139*	X			
08912	Phil's Joy**	*D4142*	S		A V Dawson, Middlesborough	BRB
08913	Hywel**	*D4143*	X			
08918	Crusader**	*D4148*	S		Nemesis Rail, Burton-on-Trent	BRD
08921	Pongo**	*D4151*	S		RSS Wishaw	EWS
08922		*D4152*	P		Spa Valley Railway	003
08924		*D4154, 2*	A		GBRF, Felixstowe	GBU

Shunter						
08925		*D4155*	S		HNRC Worksop	GRN
08928		*D4158*	X			
08933		*D4163*	A		Aggregate Industries, Merehead Stone Terminal	030
08934		*D4164*	S		HNRC Worksop	GRN
08936		*D4166*			Positive Traction, Chesterfield	RMS
08939	Garston**	*D4169*	I		Victoria Group, Boston Docks	RSS
08941		*D4171*	X			
08943	PET II	*D4173*			Alstom Ltd, Central Rivers	013
08947	Margaret** Howie	*D4177*			Hanson Aggregates, Whatley Quarry	030
08948	VICTOR**	*D4178*			Eurostar Engineering Centre, Temple Mills	TTG
08950	David Lightfoot	*D4180*			Northern Trains, Neville Hill	EMT
08951		*D4181*	X			
08953	Plymouth**	*D4183*	X			
08954	PENWITHERS**	*D4184*			Alstom Ltd, Polmadie	SBB
08956	Woofy** BBC**	*D4186*				SRG
08957		*D4191*	X			
08958		*D4192*	X			
08993	Olive** Ashburnham**	*08592, D3759*	P		Keighley & Worth Valley Railway	EWS
08994	Spirit of Innovation**	*08462, D3577*	P		Gwendraeth Valley Railway	EWS
08995	KIDWELLY**	*08687, D3854*	S	Shillingstone Railway Project	RSS Wishaw	EWS

Shunter

D3290		*08220, 13290*	P		Cambrian Heritage Railway, Oswestry	BRB
D3401	Eric Riley 1943-2024	*08331*	P		Midland Railway - Butterley	GRN
D3586		*08471*	P		Severn Valley Railway	GRN
D3830	St. Silas**, Hanson and Hall	*08663*	P	On hire from Avon Valley.	Hitachi, Newton Aycliffe	BRB
D3905		*08737*	P	Carries original no. D3905.	Southall	GRN
D3948	FRED**, Zippy	*08780*			Locomotive Services, Crewe	GRN
D4137	Molly's Day**	*08907*	P		Great Central Railway	GRN
D4157		*08927*			Hopetown Darlington	GRN
D4167	Bluebell Mel	*08937*	S		Aggregate Industries, Merehead Stone Terminal	GRN

08 e

Battery conversion of class 08 shunter



08e testing at Peak Rail

Dan Cardwell

The '08e' remains a Class 08. However, it is heavily modified and is fitted with modern 'plug-in' traction batteries and control equipment. The former contains battery cells, a battery management system and a battery charger. Up to six Lithium-Ferro-Phosphate 88kWh battery pods can be fitted to the locomotive.

The design is fully scalable with a range of battery configurations that are designed to meet the most demanding duty-cycles and power requirements. The cab modifications deliver all-round visibility while retaining the familiar Class 08 control desk. This reduces the driver and depot staff training time.

There are cab enhancements including double-glazing, remote monitoring equipment and a roof-mounted heating, ventilation and air-conditioning unit.

Introduced	2023
Wheel Arrangement	0-6-0
Builder	Positive Traction
Power	450 HP
TE	45000 lbf
Transmission	EE506 Traction Motors
Max Speed	15mph
URL	https://08-e.positivetraction.co.uk/

Number	Name	Note	Base	Livery

Shunter

08308		*D3378*	A	Converted to 08-e battery shunter 10/23	Loram, Derby RTC	LOR
08787	Battery Bill	*08296, D3366*	A	Previously incorrectly carried number 08296 - Converted to 08-e battery shunter 12/25	Hanson Aggregates, Whatley Quarry	GHM

08 Hydro Shunter

Harrier Hydro Shunter Project

In 2021 the SVR teamed up with the University of Birmingham's Vanguard Sustainable Transport Solutions to work on the Harrier HydroSHUNTER project in Kidderminster TMD. This has seen the UK's first-ever conversion of a diesel locomotive to run with a replacement hydrogen-hybrid power pack, powered using a large traction battery, charged by a hydrogen fuel cell.

The original traction motors, and most of the auxiliary equipment, exhausters, compressors and the like have been retained. The kit is essentially designed to be plugged into the generator output, and through a series of controllers and voltage converters, replicate exactly what the generator would output with the given driver's input. It uses electrolysis to react hydrogen with oxygen, which generates an electric current, producing H2O as the exhaust.

Introduced	2025
Builder	Vanguard / SVR

Number			Note	Base	Livery
H3802	*D3802, 08635*	T	Converted to hydrogen power	Severn Valley Railway	VAN

09

Class 09 Shunter Gronk



John J Cordrey

The British Rail Class 09 is a class of 0-6-0 diesel locomotive designed primarily for shunting and short-distance freight trips along branch lines.

The 26 locos are nearly identical to the more numerous Class 08 shunting locomotives but have different gearing, giving a higher top speed of 27.5 mph (44 km/h) at the expense of a lower tractive effort. They were introduced from 1959 to 1962 and latterly operated in the Southern Region of British Railways, although some of the class were originally allocated to depots in the Midlands and North. Further locomotives were converted from Class 08 in 1992 and, following this and privatisation in 1997, the class has been distributed much further afield.

Gauge	1435mm
Builder	BR Darlington, Horwich
Max Speed	27.5mph
Introduced	1959-62 (1992-93)
Length	8920mm
Width	2590mm
Height	3870mm
Weight	49.8t
Engine	English Electric 6KT
Transmission	Diesel Electric
Power	261kW
TE	111.2kN
Driving Wheel Dia	1372mm
Wheelbase	3510mm

Shunter

Wheel Arrangement	0-6-0

Number	Name			Note	Base	Livery
09002	Shunting Belle**	*D3666*	S		HNRC Barrow Hill	GRN
09003	TATTOO**	*D3667*	X			
09005		*D3669*	X			
09006		*D3670*	S		Dean Forest Railway	EWS
09008	SMUDGER**, Sheffield Childrens Hospital**, ALDWARD**	*D3719*	X			
09009	Three Bridges C.E.D.	*D3720*			Electro-Motive Diesel, Roberts Road	GRN
09011	SULLY**	*D4099*	X			
09013	VAL**	*D4101*	X			
09014	Old Albion**	*D4102*	P		Churnet Valley Railway	BRD
09015	Rob**, Robbo**, SUSAN**, Tulyar**, County of Hereford**	*D4103*	P	Spare parts donor.	Dean Forest Railway	EWS
09016	THE SNIPER**, BUTCH**	*D4104*	X			
09018		*D4106*	P		Bluebell Railway	GRN
09020		*D4108*	X			
09021		*D4109*	X			
09022	PORT OF BOSTON, Douglas**	*D4110, PB144, 144*	I		WMT, Tyseley	BRB
09023		*D4111*	S		EMR, Attercliffe	EWS
09026	Cedric Wares, William Pearson**	*D4114*	P		Spa Valley Railway	GRN
09101	IVOR**	*08833, D4001*	X	Converted 17/08/1992 from class 08.		
09102	HENTO**	*08832, D4000*	X	Converted 22/09/1992 from class 08.		
09103		*08766, D3934*	X	Converted 05/01/1993 from class 08.		

Shunter

09104	OLD ALBION**	*08749, D3917*	X	Converted 05/01/1993 from class 08.		
09105	COCKER**	*08835, D4003*	X	Converted 15/03/1993 from class 08.		
09106		*08759, D3927, 6*	S	Converted 09/06/1993 from class 08.	Dean Forest Railway	HNR
09107		*08845, D4013*	P	Converted 23/07/1993 from class 08.	Severn Valley Railway	BRB
09201		*08421, D3536*	P	Converted 22/09/1992 from class 08.	Battlefield Line	BRD
09202		*08732, D3900*	X	Converted 24/11/1992 from class 08.		
09203	WRIGHTY	*08781, D3949*	X	Converted 02/10/1992 from class 08.		
09204		*08717, D3884*		Converted 23/10/1992 from class 08.	Arriva Traincare, Crewe	ATC
09205		*08620, D3787*	X	Converted 10/12/1992 from class 08.		
D3671		*09007*	A	Carries it's D number	Alstom Ltd, Longsight	GRN

18

Class 18 Hybrid Battery locomotive

The British Rail Class 18 is a class of hybrid locomotives designed and built by the British railway locomotive manufacturer Clayton Equipment Company in Burton upon Trent, Staffordshire. It has also been referred to as the CBD90 Hybrid by Clayton and private railway customers.

The Class 18 was first revealed as the CBD90 during mid-2019; initial customers were typically operators of private railways, such as steelworks and nuclear power plants. In May 2020, the type was ordered by the rolling stock leasing company Beacon Rail, it has been envisioned as a successor to the 1950s era Class 08 and Class 09 shunters. The Class 18 is primarily battery-powered, being recharged either via track-side mains power supplies,

regenerative braking, or its onboard diesel generator. A three-month trial using the first example of the type was conducted by the train operator GB Railfreight during early 2022.

Introduced	2022
Wheel Arrangement	Bo-Bo
Builder	Clayton Equipment Company
Power	416kW
Weight	90t
TE	303kN
Engine	JCB DIESELMAX 430
Transmission	Electric
Max Speed	20kmph
Battery Capacity	524kWh

Number			Base
18001	*B4660.1*	S	Gemini Traincare, Wolverton Works
18002	*B4660.2*	A	UKRL Loughborough
18003	*B4660.3*	S	Gemini Traincare, Wolverton Works
18004	*B4660.4*	S	Gemini Traincare, Wolverton Works
18005	*B4660.5*	S	Gemini Traincare, Wolverton Works
18006	*B4660.6*	T	Freightliner, Crewe Basford Hall
18007	*B4660.7*	S	Gemini Traincare, Wolverton Works
18008	*B4660.8*	S	Gemini Traincare, Wolverton Works
18009	*B4660.9*	S	Gemini Traincare, Wolverton Works
18010	*B4660.10*	S	Gemini Traincare, Wolverton Works
18011	*B4660.11*	S	Gemini Traincare, Wolverton Works
18012	*B4660.12*		GBRF, Whitemoor
18013	*B4660.13*	S	Gemini Traincare, Wolverton Works
18014	*B4660.14*	T	Arlington Fleet Services - Eastleigh Works
18015	*B4660.15*	T	Arlington Fleet Services - Eastleigh Works

97/6

Class 97/6 Ex BR Departmental PWM Shunters



97651, Radyr, 1982

Phil Richards

The British Rail Class 97/6 0-6-0 diesel shunting locomotives were purpose-built for departmental duties by Ruston & Hornsby at Lincoln in 1953 (97650) or 1959 (97651-654). There are minor technical differences between 97650 and the 1959 batch.

This class of five locomotives is outwardly similar to the Class 04 diesels built around the same time, but internally they are quite different. The Class 97/6 is diesel-electric, while the Class 04 is diesel-mechanical.

The Class 97/6 is related to the older British Rail Class D1/3, which was a 0-4-0 diesel-mechanical version of the Ruston & Hornsby 165DE. All existing now preserved.

Gauge	1435mm
Builder	Ruston
Max Speed	20mph
Introduced	1953-59
Withdrawn	2005
Length	7530mm
Width	2590mm
Height	3350mm
Weight	28t-30t
Engine	Ruston 6VPHL
Transmission	Diesel Electric
Power	123kW
TE	75.6kN
Driving Wheel Dia	978mm/1016mm

Shunter

Wheel Arrangement	0-6-0

Number			Note	Base	Livery
97650	*PWM650, 312990*	P	97/6	Peak Rail	BRB
97652	*PWM652, 431759*	X	97/6		
97653	*PWM653, 431760*	X	97/6		
97654	*PWM654, 431761*	P	97/6	Peak Rail	BRB
PWM651	*97651, 431758*	P	97/6	Swindon and Cricklade Railway	NRL

Diesel Loco

19

Former Mark 3 DVT. Experimental conversion to test hydrostatic transmission.

Class 19 is the name given to an experimental railway locomotive that was constructed using a Mark 3 DVT. The locomotive is part of a project funded by the Rail Safety and Standards Board to test the viability of combining hydrostatic transmission with a form of regenerative braking that can reduce engine emissions.

Hydrostatic transmissions have been used previously for rail vehicles, but only for slow-speed track maintenance vehicles and similar, not for mainline locomotives. Diesel-hydraulic locomotives instead use a hydrodynamic, i.e. torque converter, transmission.

Length	18.83m
Introduced	Converted 2018
Builder	BR Derby
Engine	2 x JCB
Width	2.71m
Height	3.88m
Brakes	Air

Number			Depot
19001	*82113*	X	BO

20

English Electric Type 1



The British Rail Class 20, otherwise known as an English Electric Type 1, is a class of diesel-electric locomotive. In total, 228 locomotives in the class were built by English Electric between 1957 and 1968, the large number being in part because of the failure of other early designs in the same power range to provide reliable locomotives.

The locomotives were originally numbered D8000–D8199 and D8300–D8327. They are known by railway enthusiasts as "Choppers"

Unusually for British designs, the locomotive had a single cab. This caused serious problems with visibility when travelling nose first, though in these circumstances the driver's view is comparable to that on the steam locomotives that the Class 20s replaced. It was common, however, to find Class 20s paired together at the nose, with their cabs at opposite ends, ensuring that the driver could quite clearly see the road ahead, and a guard can watch the train from the other locomotive without the need for a brakevan.

Now mostly in private use or preservation

Gauge	1435mm
Builder	English Electric
Max Speed	75mph
Introduced	1957-68
Length	14262mm
Width	2670mm
Height	3860mm
Weight	73.2t
Engine	English Electric 8SVT Mk2

Diesel Loco

Transmission	Diesel Electric
Power	746kW
TE	186.8kN
Driving Wheel Dia	1092mm
Wheelbase	9910mm
Wheel Arrangement	Bo-Bo
Brakes	Vacuum, dual or air depending on individual loco

Number	Name			Note	Base	Livery
20007		*D8007*	P		Midland Railway - Butterley	GRN
20016		*D8016*	P		Caledonian Railway	BRB
20020		*D8020*	P		Bo'ness & Kinneil Railway	SBB
20031		*D8031*	P		Keighley & Worth Valley Railway	GRN
20032		*D8032*	X			
20035		*2001, D8035*	X			
20048		*D8048*	P		Severn Valley Railway	SBB
20050		*89100, D8000*	P		National Railway Museum	GRN
20056		*D8056, 81*	S		HNRC Worksop	COR
20057		*D8057*	P		Churnet Valley Railway	GRN
20059		*D8059*	P		Mid Hants Railway	GRN
20063		*D8063, 2002*	S	Former CFD 2002	Battlefield Line	CFD
20066		*D8066, 82*	S		Swanage Railway	BRB
20069		*D8069*	P		East Lancashire Railway	BRB
20072		*D8072*	X			
20081		*D8081*	P		Caledonian Railway	SBB

20087	Hercules**	*D8087, 89287*	P		Kent & East Sussex Railway	SBB
20088		*D8088, 2017, 37*	P		Caledonian Railway	RFG
20092		*D8092*	X			
20094		*D8094*	X			
20096	Tomahawk**, Ian Goddard 1936-2016**	*D8096*	P		Locomotive Services, Crewe	GRN
20098		*D8098*	S	Type 1 Loco Company	Great Central Railway	GRN
20107	Jocelyn Feilding 1940-2020	*D8107*	P		Locomotive Services, Crewe	GRN
20110		*89110, D8110*	P		Embsay & Bolton Abbey Steam Railway	GRN
20118	Saltburn-by-the-Sea, RIVER DON**	*D8118*	P		Locomotive Services, Crewe	RFG
20119		*RFS 32, D8119, 32*	X			
20121		*D8121*	X			
20132	Barrow Hill Depot, Atlas**	*D8132*	P		Locomotive Services, Crewe	RFG
20135		*D8135*	X			
20137	Murray B. Hofmeyr**	*D8137*	P		Gloucestershire Warwickshire Steam Railway	GRN
20138		*D8138*	X			
20142	SIR JOHN BETJEMAN	*89142, D8142*	P		Severn Valley Railway	LUL
20145		*D8145*	X			
20154		*D8154*	P		Great Central Railway (Nottingham) Ltd	SBB
20166	RIVER FOWEY**	*89166, D8166*	P		Caledonian Railway	HNR
20168	SIR GEORGE EARLE	*D8168, 2*	A	Swietelsy branding	Hope Cement	016
20169		*D8169*	P		Embsay & Bolton Abbey Steam Railway	GRN

20177		*D8177*	X			
20188	RIVER YEO**	*89188, D8188*	P		Mid Hants Railway	GRN
20189		*D8189*	P		Severn Valley Railway	SBB
20205		*D8305*	P		Midland Railway - Butterley	SBB
20214		*D8314*	P		Lakeside & Haverthwaite Railway	GRN
20215		*D8315*	X			
20227	SIR JOHN BETJEMAN**, SHERLOCK HOLMES	*89127, D8327*	P		Epping & Ongar Railway	LUL
20228		*2004, D8128*	P	Former CFD 2004	Gloucestershire Warwickshire Steam Railway	BRB
20301	Max Joule 1958 - 1999, Furness Railway 150**	*2004, 20047, D8047*	S	Trip Cock fitted.	HNRC Worksop	DRC
20302		*2002, 20084, D8084*	S	Trip Cock fitted. Swietelsky branding	HNRC Worksop	HNR
20303		*2018, 20127, D8127*	A	Trip Cock fitted.		SWZ
20304		*2009, 20120, D8120*	S	Trip Cock fitted. (for sale)	HNRC Worksop	DRC
20305	Gresty Bridge	*2020, 20095, D8095*	S	Trip Cock fitted.	HNRC Worksop	DRC
20306	Almon B. Strowger**	*20131, D8131*	X			
20307	Guglielmo Marconi**	*2004, 20128, D8050*	X			
20308	Sir Charles Wheatstone**	*20187, D8187*	P		Severn Valley Railway	DRC
20309	Sir William Cooke**	*20075, D8075*	A	(for sale)	Hope Cement	DRC
20310	Gresty Bridge**	*20190, D8190*	X			
20311	Class 20 'Fifty'**	*2008, 20102, D8102*	S	Swietelsky branding	HNRC Worksop	HNR
20312		*89142, 20042, D8042*	S	(for sale)		DRC
20313		*2006, 20194, D8194*	X			
20314		*20117, D8117*	A	(hired to DRS)	HNRC Worksop	HNR

Diesel Loco

20315		*20104, D8104*	X			
20901	NANCY**	*20041, D8041*	A		Balfour Beatty, Kings Norton	BBB
20902	LORNA**	*20060, D8060*	X			
20903	ALISON**	*20083, D8083*	S		Nemesis Rail, Burton-on-Trent	DRU
20904	JANIS**	*20101, D8101*	S		Nemesis Rail, Burton-on-Trent	DRU
20905	IONA**, Roger Whip**, Dave Darwin**	*20225, D8325*	A		Balfour Beatty, Kings Norton	BBB
20906	GEORGINA**, Kilmarmock 400**	*3, 20219, D8319*	I	Swietelsy branding	Hope Cement	007
D8001	Marianne**, Vulcan Pioneer**	*20001, 89101, 8001, 2011, 11, ADB968029*	P		Epping & Ongar Railway	GRN

21

Vossloh G1206 & G1200 / Class 21/5 & 21/6

The second use of the TOPS classification Class 21 for locomotives used on the British railway network came through the use of a number of related diesel-hydraulic and diesel-electric locomotives procured following the opening of the Channel Tunnel. The total of 16 locomotives were obtained by two separate operators, with some used for freight, and others to propel service trains and as "Thunderbird" locomotives.

In 2005, Euro Cargo Rail (ECR) was formed as a freight operator in France by English, Welsh and Scottish Railway (EWS). Its initial operations were carried out by a quartet of Vossloh G1206 diesel-hydraulic locomotives. Although these locomotives were intended for use in France, maintenance was planned to be carried out at EWS's depot at Dollands Moor, close to the Eurotunnel terminal at Cheriton. Because the locomotives would be operating on railways in Great Britain, they were allocated numbers in the TOPS system as Class 21. Two similar G1000 locomotives were procured in 2007.

Wheel Arrangement	B-B (H)
Length	14.7m / 14.09m
Width	3.3m
Height	4.8m
Introduced	2005-6
Builder	Vossloh
Power	1570kW / 1100kW

Diesel Loco

Weight	87t / 80t
Engine	CAT 3512 B DITA-SC / MTU 8V 4000R41L
Driving Wheel Dia	1000mm
Brakes	Air Disc

Number		Note	Livery
21544	*FB1544*	Off NR Registration	MAR
21545	*FB1545*	Off NR Registration	MAR
21546	*FB1546*	Vossloh Locos for Euro Cargo Rail	MAR
21547	*FB1547*	Vossloh Locos for Euro Cargo Rail	MAR
21610	*FB1610*	Vossloh Locos for Euro Cargo Rail	MAR
21611	*FB1611*	Vossloh Locos for Euro Cargo Rail	MAR

31

Ex BR mixed traffic type 2.



The British Rail Class 31 diesel locomotives, also known as the Brush Type 2 and previously as Class 30, were built by Brush Traction from 1957-62. They were numbered in two series, D5500-D5699 and D5800-D5862. Construction of the first locomotive was completed in the final week of September 1957, and the handing-over took place on 31 October. The first Class 31 entered service in November 1957, after the launch of the Class 20 locomotive and was one of the Pilot Scheme locomotives ordered by British Railways to replace steam traction.

Now in private use or preservation.

Diesel Loco

Gauge	1435mm
Builder	Brush Traction
Max Speed	80/90mph
Introduced	1957-62
Length	17300mm
Width	2670mm
Height	3840mm
Weight	108.4-115t
Engine	English Electric 12SVT
Transmission	Diesel Electric
Power	1100kW
Driving Wheel Dia	1092mm
Wheelbase	13060mm
Wheel Arrangement	A1A-A1A
Withdrawn	2017
TE	35900lbf

Number	Name			Note	Base	Livery
31018		*D5500*	P	Converted from class 30: 15/03/1969.	Locomotion - NRM Shildon	SBB
31106	Spalding Town, The Blackcountryman**	*D5524*	X	Converted from class 30: 06/1967		
31108		*D5526*	P	Converted from class 30: 25/05/1968.	Midland Railway - Butterley	RFA
31110	TRACTION magazine**	*D5528*	X	Converted from class 30: 15/03/1969.		
31112		*D5530*	X	Converted from class 30: 12/1968.		
31119		*D5537*	P	Converted from class 30: 07/1967.	Embsay & Bolton Abbey Steam Railway	BRB
31123		*D5541*	X	Converted from class 30: 03/1965.		
31128	CHARYBDIS**	*D5546*	O	Converted from class 30: 08/1965.	Nemesis Rail, Burton-on-Trent	SBB

31130	Calder Hall Power Station	*D5548*	P	Converted from class 30: 02/1967. Name not currently carried	Avon Valley Railway	RFA
31144	Keighley and Worth Valley Railway**	*D5562*	X	Converted from class 30: 12/03/1966.		
31190	GRYPHON**	*D5613*	P	Converted from class 30: 01/1966.	Nemesis Rail, Burton-on-Trent	GOL
31206		*D5630*	P	Converted from class 30: 01/1966.	Rushden Transport Museum	CIV
31210		*D5634*	P	Converted from class 30: 04/1968.	Nemesis Rail, Burton-on-Trent	RFA
31233		*D5660*	P	Converted from class 30: 02/1967.	Mangapps Railway Museum	NRL
31235		*D5662*	P	Converted from class 30: 30/11/1966.	Nemesis Rail, Burton-on-Trent	BRB
31255		*D5683*	O	Converted from class 30: 12/03/1966.	Nemesis Rail, Burton-on-Trent	EWS
31270	Athena	*D5800*	P	Converted from class 30: 07/1966.	Didcot Railway Centre	RRR
31271	Stratford 1840 - 2001**	*D5801*	P	On loan from Midland Railway. Converted from class 30: 03/1967.	Llangollen Railway	BRT
31273		*D5803*	X	Converted from class 30: 08/1967.		
31285		*D5817*	S	Converted from class 30: 06/1967.	Weardale Railway	NRL

31289	PHEONIX**	*D5821*	P	On long term loan from the Rushden Transport Museum. Converted from class 30: 08/1967.	Northampton & Lamport Railway	BRB
31301		*D5834*	X	Converted from class 30: 10/1966.		
31407		*D5640, 31507*	X	Converted from class 30: 24/09/1966.		
31410	Granada Telethon**	*D5669*	X	Converted from class 30: 12/1968.		
31411	'Our Eli'	*D5691, 31511*	X	Converted from class 30: 05/1966.		
31412		*D5692, 31512*	X	Converted from class 30: 05/1967.		
31417		*D5856*	X	Converted from class 30: 01/1966.		
31418	Boadicea**	*D5522*	P	Converted from class 30: 18/11/1967.	Midland Railway - Butterley	BRB
31420		*31172, D5591*	X	Converted from class 30: 13/11/1965.		
31421	Wigan Pier**	*31140, D5558*	X	Converted from class 30: 02/1968.		
31422		*31522, 31310, D5844*	X	Converted from class 30: 11/09/1965.		
31423	Jerome K. Jerome**	*31197, D5621*	X	Converted from class 30: 03/1968.		
31430	Sister Dora**	*31530, 31265, D5695*	P	Converted from class 30: 23/11/1968.	Spa Valley Railway	BRB
31437		*31537, 31182, D5603*	X	Converted from class 30: 04/1967.		

31438		*31538, 31139, D5557*	P	Converted from class 30: 03/1965.	Epping & Ongar Railway	BRB
31439	North Yorkshire Moors Railway**	*31239, D5666*	X	Converted from class 30: 10/1967.		BRB
31450		*31133, D5551*	X	Converted from class 30: 10/1967.		BRB
31452	MINOTAUR**	*31552, 31279, D5809*	P	Converted from class 30: 07/1967.	Eastern Rail Services, Yarmouth	ICM
31454	Immingham**, The Heart of Wessex**	*31554, 31228, D5654*	P	Converted from class 30: 18/11/1967.	Nemesis Rail, Burton-on-Trent	ICS
31459	CERBERUS	*31256, D5684*	P	Converted from class 30: 04/1965.	Weardale Railway	BRB
31460		*31266, D5696*	X	Converted from class 30: 11/1967.		BRB
31461		*31129, D5547*	S	Converted from class 30: 01/1968.	Nemesis Rail, Burton-on-Trent	CIV
31465		*31565, 31213, D5637*	S	Converted from class 30: 08/1967.	Weardale Railway	NRL
31466		*31115, D5533*	P	Converted from class 30: 04/1968.	North Yorkshire Moors Railway	EWS
31467		*31216, D5641*	X	Converted from class 30: 03/1968.		BRB
31468	The Enginemen's Fund **, Hydra	*31568, 31321, D5855*	X	Converted from class 30: 08/1965.		
31514		*D5814, 31414*	P	Converted from class 30: 06/1967.	Midland Railway - Butterley	CIV
31556		*31456, 31291, D5823*	X	Converted from class 30: 06/1967.		CIV

Diesel Loco

31601	Bletchley Park 'Station X'**, The Mayor of Casterbridge**, Gauge "0" Guild 1956-2006**, Devon Diesel Society	*31186, D5609*	P	Northamptonshire Class 31 Group. Converted from class 30: 05/1966.	Northampton & Lamport Railway	DCR
31602	Chimaera**, Driver Dave Green - 19B	*31191, D5614*	X	Converted from class 30: 05/1966.		
5518		*D5518, 31101*	P	Converted from class 30: 08/1967.	Dean Forest Railway	BRB
5580		*D5580, 31162*	P	Converted from class 30: 11/1967.	Midland Railway - Butterley	SBB
97205		*D5581, 31163*	P	Converted from class 30: 01/1966.	Nemesis Rail, Burton-on-Trent	
D5523	Bescot TMD**, Radio Caroline	*31105*	P	Converted from class 30: 02/1967.	Mangapps Railway Museum	BRB
D5600	Newton Heath TMD	*31179, 31435*	P	Dales Diesel Group. Converted from class 30: 03/1967.	Embsay & Bolton Abbey Steam Railway	GRN
D5627	Steve Organ GM	*31203*	P	Converted from class 30: 07/1966.	HNRC Worksop	GRN
D5631		*31207*	O	Converted from class 30: 10/1966.	North Norfolk Railway	GRN
D5830		*31563, 31297, 31463*	P	Converted from class 30: 10/1967.	Great Central Railway (Nottingham) Ltd	GOL
D5862	Phillips-Imperial**	*31327*	P	Converted from class 30: 03/1966.	Strathspey Railway	GRN

33

Class 33 Crompton



John J Cordrey

The British Rail Class 33, also known as the BRCW Type 3 or Crompton, is a class of Bo-Bo diesel-electric locomotives, ordered in 1957 and built for the Southern Region of British Railways between 1960 and 1962.

They were produced as a more powerful Type 3 (1,550 bhp) development of the 1,160 bhp Type 2 Class 26. This was achieved, quite simply, by removing the steam heating boiler and fitting a larger 8-cylinder version of the previous 6-cylinder engine. This was possible because of the traffic requirements of the Southern Region: locomotive-hauled passenger traffic depended on seasonal tourist traffic and was heavier in the summer, when carriage heating was not needed. In the winter, their expected use was to be for freight. Thus, they became the most powerful BR Bo-Bo diesel locomotive

Now privately owned or in Preservation

Gauge	1435mm
Builder	BRCW
Max Speed	85 mph
Introduced	1960–1962
Length	15470mm
Width	2690mm
Height	3860mm
Weight	74.2 / 78.2t
Engine	Sulzer 8LDA28
Transmission	Diesel Electric
Power	1156kW
TE	200kN

Diesel Loco

Driving Wheel Dia	1092mm
Wheelbase	11890mm
Wheel Arrangement	Bo-Bo

Number	Name			Base	Livery
33002	Sea King	*D6501*	P	South Devon Railway	CIV
33008	Eastleigh**	*D6508*	P	Battlefield Line	GRN
33012 [1]	Lt Jenny Lewis RN	*D6515*	R	Swanage Railway	GRN
33019	Griffon	*D6534*	D	Barrow Hill	CIV
33021	Eastleigh, Captain Charles**	*D6539*	P	Churnet Valley Railway	
33023		*D6541*	X		
33025	Sultan**, Glen Falloch	*D6543*	P	Southall	WCR
33026	Seafire**	*D6544*	X		
33027		*D6545*	X		
33029	Glen Loy	*D6547*	P		WCR
33030		*D6548*	S		DRS
33035	Spitfire**	*D6553*	P	Wensleydale Railway	BRB
33048		*D6566*	P	West Somerset Railway	GRN
33052	Ashford	*D6570*	P	Bluebell Railway	GRN
33053	Mid Hants Railway	*D6571*	P	Swanage Railway	SBB
33057	Seagull**	*D6575*	P	West Somerset Railway	GRN
33063	R J Mitchell	*D6583*	P	Spa Valley Railway	MLG
33065	Sealion**	*D6585*	P	Spa Valley Railway	BRB

Notes
1: Back from Arlington

33/1



33116 at Windsor & Eton - 10 December 1989

Neil Thaler

The British Rail Class 33/1 locomotives are nicknamed "Bag Pipes". This nickname specifically refers to the Class 33/1 locomotives that were fitted for push-pull working and featured air pipes under the cab windows, resembling bagpipes. They were also known more generally as "Cromptons", due to the Crompton Parkinson electrical equipment they used.

Number	Name			Base	Livery
33102	Sophie	*D6513*	P	Churnet Valley Railway	BRB
33103	SWORDFISH	*D6514*	P	Ecclesbourne Valley Railway	BRD
33108	VAMPIRE**	*D6521*	P	Severn Valley Railway	CIV
33109	Captain Bill Smith RNR	*D6525*	P	East Lancashire Railway	BRD
33110		*D6527*	A	Sonic Rail Services, Burnham-on-Crouch	BRD
33111		*D6528*	P	Barrow Hill	BRB
33117		*D6536*	P	East Lancashire Railway	SBB
D6535	Hertfordshire Rail Tours	*33116*	P	Great Central Railway	BRB

33/2



33202 at Dereham in 2019

Dan Cardwell

Number	Name			Note	Base	Livery
33201		*D6586*	P		Battlefield Line	SBB
33202	The Burma Star**, Meteor**, Dennis G Robinson	*D6587*	P	On loan	Mid Norfolk Railway	BRB
33204		*D6589*	X			MLG
33207	Earl Mountbatten of Burma**, Jim Martin	*D6592*	A	At SH		WCR
33208		*D6593*	P		HNRC Worksop	GRN

37

Class 37 Tractor



35057 at Barton Under Needwood

Dan Cardwell

The British Rail Class 37 is a diesel-electric locomotive. Also known as the English Electric Type 3, the class was ordered as part of the British Rail modernisation plan. They were numbered in two series, D6600–D6608 and D6700–D6999.

The Class 37 became a familiar sight on many parts of the British Rail network, in particular forming the main motive power for InterCity services in East Anglia and within Scotland. They also performed well on secondary and inter-regional services for many years. The Class 37s are known to some railway enthusiasts as "tractors", a nickname given due to the similarities between the sound of the Class 37's engine and that of a tractor.

Builder	English Electric
Max Speed	90mph
Introduced	1960
Engine	English Electric 12CSVT
Transmission	Diesel-Electric
Power	1305kW
TE	247kN
Wheel Arrangement	Co-Co
Length	18.75m
Width	2.71m
Height	3.89m
Weight	102.8t-108.4t
Driving Wheel Dia	1.143m
Wheelbase	15.44m

Number	Name			Base	Livery
37003	Dereham Neatherd High School 1912-2012**, Tiger Moth**	*D6703*	P	Mid Norfolk Railway	SBB
37010		*D6710*	X		
37013	Vampire**	*D6713*	X		
37023	Stratford TMD**	*D6723*	P	Pontypool & Blaenavon Railway	BLL
37025	Inverness TMD**	*D6725*	S	Bo'ness & Kinneil Railway	BLL
37038		*D6738*	S		DRI
37047		*D6747*	X		
37057	Viking**, Barbara Arbon	*D6757*	A		COL
37059	Port of Tilbury**	*D6759*	S		DRI
37065		*D6765*	X		
37069	Thornaby TMD**	*D6769*	S		DRI
37072	Venom**	*D6772*	X		
37075		*D6775*	P	Keighley & Worth Valley Railway	BRT
37077	Hurricane**	*D6777*	X		
37087	Vulcan**, Avro Vulcan B1 & B2**, Keighley & Worth Valley Railway**	*D6787*	X		
37097	Old Fettercairn	*D6797*	P	Caledonian Railway	BRB
37109		*D6809*	P	East Lancashire Railway	BRT
37116	Comet**, Sister Dora**	*D6816*	A		COL
37142		*D6842*	P	Bodmin & Wenford Railway	BRB
37146		*D6846*	X		
37174		*D6874*	X		
37175	W.S. Sellar**	*D6875*	A		COL
37188	Jimmy Shand**	*D6888*	X		
37194	Neil Webster 1957-2001**	*D6894*	X		
37197	Loch Laidon**	*D6897*	X		
37198	Chief Engineer	*D6898*	P	Hopetown Darlington	GRN
37201	Saint Margaret**	*D6901*	X		
37203		*D6903*	X		
37207 [1]	William Cookworthy	*D6907*	T	Great Central Railway	SBB

37215		*D6915*	P	Gloucestershire Warwickshire Steam Railway	BRB
37216	Great Eastern	*D6916*	P	Pontypool & Blaenavon Railway	UUU
37218	Carbon Redeemer	*D6918*	S		HVO
37219	Shirley Ann Smith**	*D6919*	A		COL
37220	Westerleigh**	*D6920*	X		
37227		*D6927*	P	Dean Forest Railway	BRT
37229	Loch Arkaig**, The Cardiff Rod Mill**, Jonty Jarvis 8-12-1998 to 18-3-2005**	*D6929*	X		
37235	The Coal Merchants' Association of Scotland**	*D6935*	X		
37240		*6940, D6940*	P	Tyseley Locomotive Works	TGG
37242		*D6942*	X		
37248	Loch Arkaig**, Midland Railway Centre**	*D6948*	P	Gloucestershire Warwickshire Steam Railway	GRN
37250		*D6950*	P	Wensleydale Railway	EWS
37254	Driver Robin Prince M.B.E.	*D6954*	A		COL
37255		*D6955*	P	Nemesis Rail, Burton-on-Trent	CIV
37261	Loch Arkaig**, Caithness**	*D6961*	P	Bo'ness & Kinneil Railway	DRC
37263		*D6963*	P	Telford Steam Railway	BRD
37264		*D6964*	P	North Yorkshire Moors Railway	BRB
37294		*D6994*	P	Embsay & Bolton Abbey Steam Railway	BRB
6975	Stainless Pioneer**, Oor Wullie**	*37275, D37275*	P	Dartmouth Steam Railway	BRB
D6729		*37029*	P	Pontypool & Blaenavon Railway	GRN

Notes

1: Being fitted with Meteor Power Electric Powertrain to be a battery powered loco

37/3

Class 37/3



D6700 at Loughborough GCR

Dan Cardwell

As Class 37/0 but have been rebogied but were not refurbished.

Number	Name		Note	Base	Livery
37308	Isle of Mull**	*37274, D6608*	P	Dean Forest Railway	UUU
37309	Loch Laidon	*D6914, 37214*	P	Bo'ness & Kinneil Railway	BRB
37310	British Steel Ravenscraig	*D6852, 37152*	P	Peak Rail	BLL
37314	Dalzell	*37190, D6890*	P	One:One Collection	BLL
37321	Gartcosh**, Loch Treig	*37037, 6737, D6737*	P	South Devon Railway	BRB
37324	Clydebridge**	*37099, D6799*	A	Boden Engineering, Colwick	COL
37325	Lanarkshire Steel**	*D6808, 37108*	P	Great Central Railway (Nottingham) Ltd	GRN
37340	TYPHOON**	*37009, D6709*	P	Great Central Railway (Nottingham) Ltd	BRB

Diesel Loco

37350	National Railway Museum	*D6700, 37119*	P		Great Central Railway	GRN
37353	Mirage**	*37032, D6732*	O		Barrow Hill	GRN
37357	Medite**	*37079, D6779*	X			
37372		*37159, D6859*	N	Rebuilt as Class 23 Baby Deltic D5910		
37374		*37165, D6865*	X	Spares donor.		CIV
37380		*37259, D6959*	S			DRS

37/4

Class 37/4



37405 at Great Yarmouth

Neil Thaler

As Class 37/3 but refurbished:

These locomotives were rewired, and The English Electric generators were replaced with Brush alternators and ETS was fitted.

Number	Name			Livery
37401 [1]	Mary Queen of Scots	*37268, D6968*	P	045
37402	Bont Y Bermo**, Stephen Middlemoor 29/12/54 - 8/6/13**, Oor Wullie	*37274, D6974*	A	BLL
37403 [2]	Isle of Mull	*37307, D6607*	P	BLL
37404	Loch Long**, Ben Cruachan**	*37286, D6986*	X	
37405 [3]	Strathclyde Region**	*37282, D6982*	A	HNR
37406	The Saltire Society**	*37295, D6995*	X	

37407	Loch Long**, Blackpool Tower	*37305, D6605*	A	BLL
37408	Loch Rannoch**	*37289, D6989*	X	
37409 [4]	Loch Awe**, Lord Hinton**	*37270, D6970*	P	045
37410	Aluminium 100**	*37273, D6973*	X	
37411 [5]	Caerphilly Castle/Castell Caerffili**	*37290, D6990*	X	
37412	Driver John Elliot**	*37301, D6601*	X	
37413	Loch Eil Outward Bound**, Scottish Railway Preservation Society**	*37276, D6976*	X	
37414	Cathays C&W Works 1846-1993**	*37287, D6987*	X	
37415	Mt Etna**	*37277, D6977*	X	
37416	Mt Fuji**, Sir Robert McAlpine/Concrete Bob**	*37302, D6602*	X	
37417	Highland Region**, RAIL Magazine**, Richard Trevithick**	*37269, D6969*	X	
37418	An Comunn Gaidhealach, Gordon Grigg**, Pectinidae**	*37271, D6971*	A	LOR
37419	Agamemnon, Mt Pinatubo**, Carl Haviland 1954-2012**, Driver Tony Kay 1973-2019	*37291, D6991*	S	SBR
37420	The Scottish Hosteller**	*37297, D6997*	X	
37421	Strombidae**, Star of the East**, The Kingsman**	*37267, D6967*	A	COL
37422	Robert F Fairlie**, Cardiff Canton**, Victorious**, Pegasus	*37266, D6966*	S	SBR
37423 [6]	Sir Murray Morrison 1873-1948**, Spirit of the Lakes**, Perseus	*37296, D6996*	A	DRI
37425	Sir Robert McAlpine/Concrete Bob** Pride of the Valleys/Balchder y Cymoedd**	*37292, D6992*	S	RRR
37426	Y Lein Fach/Vale of Rheidol**, Mt Vesuvius**, Macsaveus**	*37299, D6999*	X	
37427	Bont Y Bermo**, Highland Enterprise**	*37288, D6988*	X	
37428	David Lloyd George**, Loch Long/Loch Awe**	*37281, D6981*	X	
37429	Sir Dyfed/County of Dyfed**, Eisteddfod Genedlaethol**	*37300, D6600*	X	
37430	Cwmbrân**	*37265, D6965*	X	
37431	Bullidae**	*37272, D6972*	X	

Notes

1: Locomotive Services, Crewe
2: North Yorkshire Moors Railway
3: Swietelsky branding
4: HNRC Barrow Hill

5: 1 cab is at the Alexandra hotel, Derby.
6: Derby RTC

37/5

Class 37/5



37508 at the Greatest Gathering

Dan Cardwell

As Class 37/4 but without ETS

Number	Name			Note	Base	Livery
37501	Teeside Steelmaster	*37423, 37601, 37005, D6705, Perseus, Class 37 'Fifty*	A	GROG EPL Crossrail commissioning.		BSC
37503	British Steel Shelton**	*37017, D6717*	P		The Shires Removal Group, Kinsley, Pontefract	EWS
37508		*37606, 37090, D6790*	P		Nemesis Rail, Burton-on-Trent	RFA
37510	Orion	*37112, D6812, Radio Highland*	A			ICS
37512	Thornaby Demon, Andromeda**	*37608, 37022, D6722*	A	Crossrail commissioning.		EPX
37515		*37064, D6764*	X			

37516	Loch Laidon	*37086, D6786*	P		WCR
37517	St Aidan's CE Memorial School Hartlepool Railsafe Trophy Winners 1995**	*37018, D6718*	Z	Spares donor.	LHL
37518	Fort William/An Gearasdan	*37076, D6776*	P		WCR
37521	English China Clays**	*37117, D6817*	P		BLK
37558	Glendarrock**, Isle of Mull**, Avro Vulvan XH558	*37424, 37279, D6979*	S		BLL

37/6

Class 37/6



37608 and 37611 at Derby 0Z37 Derby RTC (Network Rail) to Barrow Hill LIP

Neil Thaler

As Class 37/5 but further modified to include RCH jumper cables and through ETS wiring

Number	Name			Note	Base	Livery
37602	British Steel Teesside**	*37502, 37082, D6782*	S			DRC
37603	British Steel Corby**	*37504, 37039, D6739*	S			DRC
37604	British Steel Skinningrove**	*37506, 37007, D6707*	S			DRC
37605	Hartlepool Pipe Mill**	*37507, 37036, D6736*	X			

37607	Stockton Haulage**	*37511, 37103, D6803*	A	Swietelsky branding	Boden Engineering, Colwick	HNR
37609		*37514, 37115, D6815*	S			DRI
37610	The Malcolm Group**, T.S. (Ted) Cassady 14.5.61-6.4.08	*37687, 37181, D6881*	A			HNR
37611	Pegasus, Denise*	*37690, 37171, D6871*	S		Boden Engineering, Colwick	HVO
37612		*37691, 37179, D6879*	A			BLU
37667	Wensleydale** Meldon Quarry Centenary **, FLOPSIE	*37151, D6851*	P		HNRC Barrow Hill	LBK
37668	Leyburn**	*37257, D6957*	S			WCR
37669		*37129, D6829*	P			WCR
37670	St. Blazey T&RS Depot	*37182, D6882*	X			
37672	FTA Freight Transport Association**	*37189, D6889*	X			
37674	Saint Blaise Church 1445-1995**	*37169, D6869*	P		Strathspey Railway	RFG
37675	William Cookworthy**	*37164, D6864*	X			
37676	Loch Rannoch	*37126, D6826*	P			WCR
37678		*37256, D6956*	X			
37679		*37123, D6823*	P		RSS Wishaw	
37680		*37224, D6924*	X			
37682	Hartlepool Pipe Mill**	*37236, D6936*	Z	Donor loco/partly stripped.		DRC
37683		*37187, D6887*	X			
37685	Loch Arkaig	*37234, D6934*	P			WCR
37688	Great Rocks, Kingmoor TMD**	*37205, D6905*	P	On loan to LSL.	Locomotive Services, Crewe	BRT
37692	Didcot Depot**, The Lass O' Ballochmyle**	*37122, D6822*	X			
37694	The Lass O' Ballochmyle**	*37192, D6892*	X			
37696		*37228, D6928*	X			

37/7

Class 37/7



37799 at Cardiff Canton

Neil Thaler

As 37/0 but rewired and refurbished.

English Electric generator replaced with either Brush alternator or GEC alternator.

Additional weight added for additional tractive power.

Number	Name			Base	Livery
37703	Vulcan	*L25, L023, 37067, D6767*	P	Dartmouth Steam Railway	BRT
37706	Conidae**	*37016, D6716*	P		WCR
37710		*37044, D6744*	X		
37712	Teesside Steelmaster	*37102, D6802*	X		WCR
37714	Cardiff Canton	*L26, L031, 37024, D6724, Thornaby TMD*	P	Great Central Railway	BRT
37716 [(1)]	Worksop Traction Depot, British Steel Corby**	*L23, L034, 37094, D6794*	S		DRS

37717	Berwick Middle School Railsafe Trophy Winners 1998**, St Margaret's Church of England Primary School City of Durham Railsafe Trophy Winners 1997**, Maltby Lilly Hall Junior School Rotherham Railsafe Trophy Winners 1996**, Stainless Pioneer**	*37050, D6750*	X		
37718	Hartlepool Pipe Mill**	*L22, L021, 37084, D6784*	X		
37798		*37006, D6706*	X		
37799	Sir Dyfed County of Dyfed**	*L27, L030, 37061, D6761*	X		
37800	Cassiopeia	*L33, L025, 37143, D6843, Glo Cymru*	A		ROG
37801	Aberddawan Aberthaw**	*L29, L032, 37173, D6873*	X		
37883		*L28, 37176, D6876*	X		
37884	Cepheus	*L34, 37183, D6883, Gartcosh*	A		EPX
37893		*37237, D6937*	X		
37896		*37231, D6931*	X		
37898	Cwmbargoed DP**	*37186, D6886*	X		

Notes
1: Shunting at Peak Forest.

37/9

Class 37 Tractor



37901 at the Greatest Gathering

Neil Thaler

As Class 37/0 but rewired and refurbished.

English Electric generator replaced with Brush alternator.

Engines replaced with Mirrlees MB275Tt (901-904) or Ruston RK270Tt (905&906)

Extra weight added for additional tractive power.

Number	Name			Base	Livery
37901	Mirrlees Pioneer	*37150, D6850*	A	UKRL Leicester	RFM
37905	Vulcan Enterprise**	*37136, D6836*	S	UKRL Leicester	GRN
37906	Star of the East**	*37206, D6906*	S	Battlefield Line	RFD

97/3

ERTMS Test Locomotives

The class 97/3's are ERTMS fitted refurbished class 37 locomotives. They were refurbished at Barrow Hill by Network Rail to work on the Cambrian Lines which require ERTMS fitted locomotives.

3 of the 4 are still in service, with 97301 being stripped for spares.

Number	Name	Base	Livery

Diesel Loco

97301		*37100, D6800*	S	Boden Engineering, Colwick	NRL
97302	Ffestiniog and Welsh Highland Railways/Eheilffrdd Ffestiniog Ac Eryri	*37170, D6870*	A		NRL
97303	Dave Berry	*37178, D6878*	X		NRL
97304	John Tiley**, RHEILFFORDD TALYLLYN	*37217, D6917*	A		NRL

40

Class 40 Whistler



The British Rail Class 40 is a type of British railway diesel electric locomotive. A total of 200 were built by English Electric between 1958 and 1962. They were numbered D200-D399. They were, for a time, the pride of British Rail's early diesel fleet. However, despite their initial success, by the time the last examples were entering service they were already being replaced on some top-level duties by more powerful locomotives. As they were slowly relegated from express passenger uses, the type found work on secondary passenger and freight services where they worked for many years. The locomotives were commonly known as "Whistlers" because of the distinctive noise made by their turbochargers. The final locomotives ended regular service in 1985, although several examples are preserved.

Length	21.18m
Width	2.74m
Height	3.91m
Introduced	1958
Withdrawn	1988
Wheel Arrangement	1Co-Co1

Diesel Loco

Builder	English Electric
Power	1490kW
Weight	135t
TE	231kN
Engine	EE 16SVT
Transmission	Diesel-Electric
Max Speed	90 mph
Driving Wheel Dia	1.143m
Wheelbase	18.67m

Number	Name			Note	Base	Livery
40013	Andania	*D213*	P	LSL for Charter use	HNRC Worksop	GRN
40145		*D345*	P		East Lancashire Railway	GRN

43

High Speed Train



The British Rail Class 43 (HST) is the TOPS classification used for the InterCity 125 High Speed Train (formerly classes 253 and 254) power cars, built by British Rail Engineering Limited from 1975 to 1982, and in service in the UK since 1976. The class is officially the fastest diesel locomotive in the world, with an absolute maximum speed of 148.5 mph (239.0 km/h), and a regular service speed of 125 mph (201 km/h). The record run was led by 43102 (43302) and trailed by 43159.

HST train sets were first introduced in 1976 for Western Region services out of Paddington, followed by ECML services from Kings Cross. Now replaced on these services by class 80x units.

Builder	BREL Crewe
Max Speed	125mph
Introduced	1975
Transmission	Diesel-Electric
Power	1678kW
TE	80kN
Wheel Arrangement	Bo-Bo
Length	17.79m
Width	2.74m
Height	3.91m
Weight	70.25t
Driving Wheel Dia	1.016m

Number	Name			Note	Base	Livery
43002	Sir Kenneth Grange	*253001*	D		National Railway Museum	125
43003	ISAMBARD KINGDOM BRUNEL					SR7
43004	Caerphilly Castle					GWT
43005	St Michael's Mount		X			GWT
43006	Kingdom of Fife**	*43206*	X			
43007		*FIT 3009*	A			AXC
43008	Lincolnshire Echo**	*43208*	A	Carries 43008 in Nigeria		AXC
43009	First Transforming Travel**, Nunney Castle		A			GWT
43010	TSW Today**, Lydford Castle		A			GWT
43011			X	Written off in Ladbroke Grove crash 1999		
43012						SR7
43013	Mark Carne CBE			NMT		NRL
43014	The Railway Observer**		O	NMT		NRL
43015						SR7

43016	Peninsula Medical School**, Powderhm Castle	*43208*	A	Carries 43208 in Nigeria		GWT
43017	Hannahs discoverhannahs.org**		Z	Spares donor	Nemesis Rail, Burton-on-Trent	FGB
43018	The Red Cross		D		Crewe Heritage Centre	125
43020	MTU Power, Passion, Partnership**		Z	Spares donor	Nemesis Rail, Burton-on-Trent	FGB
43021	David Austin - Cartoonist					SR7
43022	The Duke of Edinburgh's Award Diamond Anniversary 1956-2016**, Nether Stowey Castle	*FIT 3008*	A			GWT
43023	SQN LDR HAROLD STARR ONE OF THE FEW**, HST 50 - 50 years of the InterCity 125		P		Colne Valley Railway	HST
43024	Great Western Society 1961-2011 Didcot Railway Centre**		S			FGB
43025	IRO The Institution of Railway Operators 2000-2010 TEN YEARS OF PROMOTING OPERATIONAL EXCELLENCE**, Exeter	*253012*	P		East Lancashire Railway	ICW
43026	Michael Eavis					SR7
43027	Glorious Devon**, Acton Castle**		A			
43028						SR7
43029	Caldicot Castle		X			
43030	Christian Lewis Trust		X	Damaged at Carmont 12/08/2020.		
43031						SR7
43032	The Royal Regiment of Wales**					SR7
43033	Driver Brian Cooper 15 June 1947					SR7

43034	TravelWatch SouthWest					SR7
43035						SR7
43036						SR7
43037	Penydarren					SR7
43040	Bristol St Philips Marsh**, Berry Pomeroy Castle		A			GWT
43041	St. Catherine's Castle, Meningitis Trust Support For Life**		X			
43042	Tregenna Castle					GWT
43043	Leicestershire CCC**		X			
43044	Borough of Kettering**, Edward Paxman		P		East Lancashire Railway	ICE
43045	The Grammar School Doncaster		P		Peterborough Railworld	SCE
43046	Royal Philharmonic**, Geoff Drury 1930-1999 Steam Preservation and Computerised Track Recording Pioneer		P		Locomotive Services, Crewe	BPM
43047	Rotherham Enterprise**		P		Locomotive Services, Crewe	BPM
43048	T.C.B. Miller MBE	*253024*	P		Nene Valley Railway	MML
43049	Neville Hill		P		Locomotive Services, Crewe	BPM
43050	Loch Morar		P		Locomotive Services, Crewe	BPM
43052	City of Peterborough**		X			
43053	University of Worcester**	*43253*	X			
43054			S	Stored (damaged)	Locomotive Services, Crewe	SCE
43055	Sheffield Star 125 Years**		P		Locomotive Services, Crewe	BPM

43056	The Royal British Legion**	D		Gwili Railway	FGB
43058	Midland Pride**, Loch Eil	P		Locomotive Services, Crewe	BPM
43059	Loch Shiel	P		Locomotive Services, Crewe	BPM
43061	City of Lincoln**	X			
43062	John Armitt	A	NMT		NRL
43063	Rio Challenger**	D	For Static Display (No engine)	Plym Valley Railway	FGB
43064	125 Group** (26/07/08 only)	X			
43066	Nottingham Playhouse**	S		Nemesis Rail, Burton-on-Trent	SCED
43069	Rio Enterprise**	X			
43070	The Corps of Royal Electrical and Mechanical Engineers**	X			
43071	Forward Birmingham**	P		Colne Valley Railway	FGB
43073	Neville Hill Depot - 42 Years	P		Colne Valley Railway	SCE
43075		X			
43076	IN SUPPORT OF HELP for HEROES**	S		Nemesis Rail, Burton-on-Trent	SCE
43078	Rio Crusader**	X			
43079	Rio Venturer**	X			
43081	Midland Valenta** (26/07/08 only)	D		Crewe Heritage Centre	SCE
43082	Railway Children - The Voice For Street Children Worldwide**	P		Colne Valley Railway	SCE
43083		X			SCE
43086	Rio Talisman**	X			
43087	11 Explosive Ordnance Disposal Regiment Royal Logistic Corps**	X			
43088	Rio Campaigner**, Dartmouth Castle	S			GWT

43089	Hayabusa**		P		East Lancashire Railway	SCE
43091			X			FGB
43092	Cromwell's Castle**					GWT
43093	Old Oak Common HST Depot 1976-2018**, Berkeley Castle**					GWT
43094	St Mawes Castle**		A		Mid Norfolk Railway	ROM
43097	Environment Agency**, Castle Drogo		S			GWT
43098	railwaychildren**, Walton Castle**		S			GWT
43102	Diocese of Newcastle**, World Speed Record - HST**, The Journey Shrinker 148.5 MPH The Worlds Fastest Diesel Train	*43302*	D		Locomotion - NRM Shildon	ICS
43122	South Yorkshire Metropolitan County**, Dunster Castle**		A		Mid Norfolk Railway	ROM
43124						SR7
43125	Merchant Venturer**					SR7
43126	City of Bristol**					SR7
43127	Sir Peter Parker 1924 - 2002 Cotswold Line 150					SR7
43128						SR7
43129			A			SR7
43130	Sulis Minerva**					SR7
43131	Sir Felix Pole**			At St. Rollox Works.		SR7
43132	We Save the Children - Will you?, Aberdeen Station 150th Anniversary**					SR7
43133						SR7
43134	County of Somerset**, Gordon Aikman BEM MND Campaigner 1985-2017					SR7

43135	Quaker Enterprise**				SR7
43136					SR7
43137	Newton Abbot 150				SR7
43138					SR7
43139	Driver Stan Martin				SR7
43140	Landore Diesel Depot 1963 Celebrating 50 Years 2013**	X	Written off at Carmont 12/08/2020.		
43141	Cardiff Panel Signal Box 1966-2016 / Blwch Signalau Panel Caerdydd 1996-2016				SR7
43142	Reading Panel Signal Box 1965-2010				SR7
43143	Stroud 700				SR7
43144					SR7
43145					SR7
43146					SR7
43147	The Red Cross**				SR7
43148					SR7
43149	University of Plymouth				SR7
43150	Bristol Evening Post**				SR7
43151					SR7
43152					SR7
43153	Chûn Castle**	A			
43154	Intercity**, Compton Castle	S		West Coast Railway Co. Carnforth	GWT
43155	The Red Arrows: 50 Seasons of Excellence**, City of Aberdeen**, Rougemont Castle**	S		West Coast Railway Co. Carnforth	GWT
43156	Dartington International Summer School**, Maen Castle**				GWT
43158	Kingswear Castle	Z	Parts donor		GWT
43159	Rio Warrior	P		East Lancashire Railway	MMLB
43160	Sir Moir Lockhead OBE** Castle-an-Dinas	A			GWT
43161	Rio Monarch**	X			

43162	Project Rio**, Caerhays Castle**		A			GWT
43163	Exeter Panel Signal Box 21st Anniversary 2009**					SR7
43164						SR7
43165	Prince Michael of Kent**		P		Colne Valley Railway	FGB
43168						SR7
43169	The National Trust					SR7
43170	Chepstow Castle	*FIT 3007*	A			GWT
43171	Raglan Castle		X			GWT
43172	Harry Patch - The last survivor of the trenches** Tiverton Castle		A			GWT
43174	Bristol - Bordeaux**		Z	Spares donor	Mid Norfolk Railway	FGB
43175	GWR - 175th Anniversary					SR7
43176						SR7
43177	University of Exeter**					SR7
43179	Pride of Laira**					SR7
43180	Rio Glory**		X	Spare parts donor.		
43181	Devonport Royal Dockyard 1693-1993					SR7
43182						SR7
43183						SR7
43184		*43384, 253051*	A			046
43185	Great Western**		X			ICS
43186	Taunton Castle					GWT
43187	Cardiff Castle					GWT
43188	City of Plymouth**, Newport Castle					GWT
43189	Launceston Castle					GWT
43190			Z	Spares donor	East Lancashire Railway	FGB
43191	Seahawk**		Z	Spares donor	Nemesis Rail, Burton-on-Trent	FGB
43192	City of Truro**, Trematon Castle		A			GWT

43193	Rio Triumph**		X			
43194	Okehampton Castle**		A			
43195	Rio Swift**		X	Spare parts donor. Written off after hitting a tree at Hemerdon 31/12/2017.		
43196	Rio Prince**		X			
43197	Rio Princess**		X			
43198	Oxfordshire 2007**, Driver Stan Martin 25th June 1950 to 6th November 2004, Driver Brian Cooper 15th June 1947 to 5th October 1999**		S			GWT
43200	County of Leicestershire**Heaton 150	*43060, 254003*	P		East Lancashire Railway	GNER
43238	City of Dundee**, National Railway Museum 40 Years 1975-2015**	*43038*	A			
43239	The Royal Dragoon Guards**	*43039*	A			
43251	The Duke and Duchess of York**	*43051*				CLR
43257	Bounds Green**	*43057*				COO
43272	Derby Etches Park**	*43072*				CLR
43274	BBC East Midlands Today**, Spirit Of Sunderland**	*43074*				CLP
43277	Safety Task Force	*43077, County of Nottingham*	A			CNR
43285	City of Bradford**	*43085*	A			AXC
43290	MTU Fascination of Power**	*43090*	X			
43295	Perth**	*43095*	Z	Parts donor		LNE
43296	Stirling Castle**	*43096*	Z	For spares.	Nemesis Rail, Burton-on-Trent	LNE
43299	The Diocese of Newcastle**	*43099*	Z	Parts donor	Peak Rail	CLR

43300	Craigentinny 100 YEAR 1914-2014**	*43100*	X	Withdrawn following a shunting accident with 800109 at Neville Hill 13/11/2019.		
43301	The Irish Mail - Tren Post Gwyddelig**	*43101*				AXC
43303	Helston Furry Dance**	*43103*	A			AXC
43304	City of Edinburgh**	*43104*	A			
43305	City of Inverness**	*43105*	S			LNE
43306	Fountains Abbey**	*43106, FIT 3010*	A			LNE
43307	Tayside**	*43107, FIT 3011*	A			LNE
43308	HIGHLAND CHIEFTAIN**	*43108*	Z	Spare parts donor.	Nemesis Rail, Burton-on-Trent	LNE
43309	Leeds International Festival**	*43109*	Z	Spares donor	Mid Norfolk Railway	LNE
43310	Stirlingshire**	*43110*	Z	Spares donor	Mid Norfolk Railway	LNE
43311	Scone Palace**	*43111*	X			
43312	Doncaster**	*43112*	A			
43313	The Highlands**	*43113*	X			
43314	East Riding of Yorkshire**	*43114*	Z	Spares donor	Mid Norfolk Railway	LNE
43315	Aberdeenshire**	*43115*	X	Spares donor		
43316	The Black Dyke Band**	*43116, FIT 3012*	A			LNE
43317	Bonnie Prince Charlie**	*43117*	Z	Spares donor	Nemesis Rail, Burton-on-Trent	LNE
43318	City of Kingston upon Hull**	*43118*	Z	Spares donor	Mid Norfolk Railway	LNE
43319	Harrogate Spa**	*43119*	A			
43320	National Galleries of Scotland**	*43120, FIT 3013*	A			ANG
43321	West Yorkshire Metropolitan County**	*43121*	A			AXC
43357	HMS Penzance**	*43157*	A			AXC
43366		*43166*	A			AXC
43367	Deltic 50 1955-2005**	*43167*	Z	Spares donor		LNE

Diesel Loco

43378		*43178, FIT 3014*	A		AXC
43423	Valenta 1972-2010**	*43123*			EMH
43465	City of Edinburgh**	*43065*	O	UKRL Loughborough	RAD
43467	Nottinghamshire Fire and Rescue Service / British Transport Police Nottingham**	*43067*			EMH
43468	The Red Arrows**	*43068*			RAD
43480	West Hampstead PSB**	*43080*	O	UKRL Loughborough	RAD
43484	Peter Fox 1942-2011 Platform 5	*43084*			RAD

45

Class 45 Peak



45118 at The Greatest Gathering

Dan Cardwell

The British Rail Class 45 or Sulzer Type 4 are diesel locomotives built by British Railways' Derby and Crewe Works between 1960 and 1962. Along with the similar Class 44 and 46 locomotives, they became known as Peaks. The Class 45s became the main traction on the Midland Main Line from 1962, and their introduction allowed considerable acceleration of the previous steam-powered service.

The Class 45s remained the main source of power on the Midland Main Line up to 1982, when they were relegated to secondary services following introduction of HSTs on the route. From 1986 Class 45s virtually disappeared from the line and all were withdrawn by the end of 1989. All remaining survivors now preserved.

Length	20700mm
Width	2170mm
Height	3910mm
Introduced	1960-62
Withdrawn	1989
Wheel Arrangement	1Co-Co1
Builder	BR Derby & Crewe
Power	1864kW
Weight	135t
TE	245kN
Engine	Sulzer 12LDA28-B
Transmission	Diesel-Electric
Max Speed	90 mph
Driving Wheel Dia	11143mm
Wheelbase	18910mm

Number	Name			Base	Livery
45118	THE ROYAL ARTILLERYMAN	*D67*	P	Locomotive Services, Crewe	BRB

47

ex BR mixed traffic Type 4 Diesel Electric loco



47739 at Alstom Derby 2025

Dan Cardwell

The British Rail Class 47 or Brush Type 4 is a class of diesel-electric locomotive that was developed in the 1960s by Brush Traction. A total of 512 Class 47s were built at Brush's Falcon Works in Loughborough and at British Railways' Crewe Works between 1962 and 1968, which made them the most numerous class of British mainline diesel locomotive.

They were fitted with the Sulzer 12LDA28C twin-bank twelve-cylinder unit producing 2,750 bhp (2,050 kW) – though this was later derated to 2,580 bhp (1,920 kW) to improve reliability – and have been used on both passenger and freight trains on Britain's railways for over 55 years.

Despite the introduction of more modern types of traction, a significant number are still in use, both on the mainline and on heritage railways. At least 31 class 47's have been preserved. 33 further locomotives were converted to Class 57s between 1998 and 2004.

Gauge	1435mm
Builder	Brush Traction, BR Crewe
Max Speed	95mph
Introduced	1962-68
Length	19380mm
Width	2690mm
Height	3900mm
Weight	114t-127t
Engine	Sulzer 12LDA28-C
Transmission	Diesel Electric
Power	1920kW

Diesel Loco

TE	245kN-267kN
Driving Wheel Dia	1143mm
Wheelbase	15700mm
Wheel Arrangement	Co-Co

Number	Name			Base	Livery
47004	Old Oak Common Traction & Rolling Stock Depot	*D1524*	P	Embsay & Bolton Abbey Steam Railway	GRN
47033		*D1613*	X		
47053		*D1635*	X		
47105		*D1693*	P	Gloucestershire Warwickshire Steam Railway	BRB
47145		*D1738*	X		
47192		*D1842*	P	Ecclesbourne Valley Railway	GRN
47194		*D1844*	X		
47197		*D1847*	X		
47200		*D1850*	X		
47205		*47395, D1855*	P	Northampton & Lamport Railway	RFD
47212		*D1862*	X		
47224		*D1874*	X		
47229		*D1905*	X		
47236		*D1913*	X		
47237		*D1914*			WCR
47245	V.E. Day 75th Anniversary	*D1922*			WCR
47270 [1]	SWiFT**	*D1971*		Nemesis Rail, Burton-on-Trent	BRB
47285		*D1987*	X		
47289		*D1991*	X		
47292	Her Majesty's Railway Inspectorate 175	*D1994*	P	Churnet Valley Railway	BLL
47298		*D1100*	X		
47306	The Sapper	*D1787*	P	Bodmin & Wenford Railway	RFI
47309		*47389, D1790*	X		
47316		*D1797*	X		
47326		*D1807*	X		
47338		*D1819*	X		
47355		*47391, D1836*	X		FRB
47363		*47385, D1882*	X		

47365		*D1884*	X		
47367		*D1886*	P		BRB
47368		*D1887*	X		
47370		*D1889*	X		
47375	Falcon	*D1894, 047 375-5*	E		032
47376	Freightliner 1995	*D1895*	P	Gloucestershire Warwickshire Steam Railway	FLY
47401	Star Of The East**, North Eastern	*D1500, 1500*	P	Midland Railway - Butterley	BRB
47402	Gateshead	*D1501*	P	Chinnor & Princes Risborough Railway	GRN
47402	SPARROWHAWK	*D1705, 47117, 1705*	P	Great Central Railway	BRB
47417		*D1516*	P	Midland Railway - Butterley	GRN
47449	ORION	*D1566*	P	Llangollen Railway	BRB
47478		*D1608*	X		
47484	ISAMBARD KINGDOM BRUNEL	*D1662, 1662*	S	RSS Wishaw	GRN
47488 [2]	Rail Riders**, Davies The Ocean**	*D1713*	S	Nemesis Rail, Burton-on-Trent	GRN
47489		*D1716*	X		
47492 [3]		*D1760*	X		
47500		*47770, D1943*	X		
47501	Craftsman	*D1944*		Loram, Derby RTC	GRN
47524	Res Gestae	*D1107*	X		
47525		*D1108*	X		
47526		*D1109*	S		BLL
47528		*D1111*	X		
47540	The Institution of Civil Engineers**	*47975, D1723*	X		
47555	Ressaldar**	*47631, 47059, D1643, 47765*	P	East Lancashire Railway	045
47575	City of Hereford**	*47175, D1770*	X		
47580 [4]	County of Essex, Restormel**	*47167, D1762, 47732*	P	Mid Norfolk Railway	BLL
47593	York InterCity Control**, Saint David/Dewi Saint**, Galloway Princess	*47673, 47790, 47272, D1973*			ICE
47596	Aldeburgh Festival	*47255, D1933*	P	Mid Norfolk Railway	GRN

47614	Rail Express	*47853, 47141, D1733*			BRB
47628	Sir Daniel Gooch**	*47078, D1663*	X		
47635	The Lass O'Ballochmyle**, Jimmy Milne	*47029, D1606*	P	Epping & Ongar Railway	BLL
47640	University of Strathclyde	*47244, D1921*	P	Nemesis Rail, Burton-on-Trent	BLL
47643		*47269, D1970*	P	Bo'ness & Kinneil Railway	ICM
47701	Saint Andrew**, Old Oak Common Traction & Rolling Stock Depot**, Waverley	*47493, D1932*	P	Nemesis Rail, Burton-on-Trent	GRN
47703	Saint Mungo**, The Queen Mother**, Hermes**	*47514, D1960*	S	Nemesis Rail, Burton-on-Trent	FRA
47707	Holyrood**	*47506, D1949*	X		
47709	The Lord Provost**, Dionysos**	*47499, D1942*	X		
47712 [5]	Lady Diana Spencer, Dick Whittington**, Artemis**, Pride of Carlisle**	*47505, D1948*	P	Locomotive Services, Crewe	045
47713		*47510, D1954*	X		
47714	Thames**, Grampian Region**	*47511, D1955*	S	Wensleydale Railway	RES
47715	Haymarket**, Poseidon**, Rail Engineering Solutions Quality Assured	*47502, D1945*	A	Melton RIDC	VTR
47716	Duke of Edinburgh's Award**	*47507, D1951*	X		
47717	Tayside Region**	*47497, D1940*	X		
47721	Saint Bede**	*47557, 47024, D1591*	X		
47722	The Queen Mother**, Mayflower**	*47558, 47027, D1599*	X		
47725	Red Star ISO 9002**, The Railway Mission**, Bristol Barton Hill**	*47567, 47044, D1625*	X		
47726	Royal Logistic Corps Postal & Courier Services**, Manchester Airport Progress**	*47568, 47045, D1626*	X		
47727	The Gloucestershire Regiment**, Duke of Edinburgh's Award**, Caerphilly Castle/Castell Caerffilli**, Rebecca	*47569, 47047, D1629*	S		CAS

47733	Eastern Star**, County of Norfolk**	*47582, 47170, D1765*	X		
47737	Resurgent**, Carlisle Currock**	*47588, 47178, D1773*	X		
47739	Resourceful**, Robin of Templecombe	*47594, 47035, D1615*	S	UKRL Loughborough	GBU
47741	Resilient**	*47597, 47026, D1597*	X		
47744 [6]	Dewi Sant/Saint David**, The Cornish Experience**, Saint Edwin**, Royal Mail Cheltenham**	*47600, 47250, D1927*	S		EWS
47746	The Bobby**	*47605, 47160, D1754*			WCR
47747	Castell Caerffili/Caerphilly Castle**, Res Publica**, Graham Farish**, Florence Nightingale**	*47615, 47252, D1929*	X		
47749 [7]	City of Truro**, Resplendent**, Atlantic College**, Demelza	*47625, 47076, D1660*	S		BRG
47750	ATLAS**	*47626, 47082, D1667*	X		
47760	Sir William Burrell**, Restless**, Ribblehead Viaduct**	*47672, 47562, 47036, D1617*			WCR
47761	Colossus**	*47564, 47038, D1619*	P	Midland Railway - Butterley	RES
47768	Bristol Bath Road**, Resonant**	*47490, D1725*	S		UUU
47769	Horwich Enterprise**, Resolve	*47491, D1753*	S		VTR
47771	The Geordie**, Heaton Traincare Depot**	*47503, D1946*	P	Arlington Fleet Services - Eastleigh Works	RES
47772	Sir Gwynedd/County of Gwynedd**, Carnforth TMD**	*47537, 47073, D1657*	S	Nemesis Rail, Burton-on-Trent	WCR
47773	The Queen Mother**, Reservist**	*47541, 47161, D1755*	P	Tyseley Locomotive Works	GRN
47776	The Royal Society of Edinburgh**, Respected**	*47578, 47181, D1776*	S		RES
47780	Fair Rosamund**	*47836, 47618, 47030, D1609*	X		
47782	Glorious Devon**	*47824, 47602, 47185, D1780*	X		XXX

47785	The Statesman**, Fiona Castle**	*47820, 47665, 47232, D1909*	P	Wensleydale Railway	EWS
47786	Royal Worcester**, Roy Castle OBE	*47821, 47607, 47138, D1730*			WCR
47787	SS Great Britain**, Windsor Castle**	*47823, 47610, 47163, D1757*	S		WCR
47791	Confederation of British Industry**, Venice Simplon Orient Express**	*47675, 47595, 47268, D1969*	X		
47793 [8]	James Nightall GC, Saint Augustine**, Christopher Wren**	*47579, 47183, D1778*	P	Mid Hants Railway	BRB
47798	FIRE FLY**, Prince William	*47834, 47609, 47072, D1656*	P	National Railway Museum	ROZ
47799	Windsor Castle**, Prince Henry**	*47835, 47620, 47070, D1654*	P	Eden Valley Railway	ROZ
47802	Pride of Cumbria**	*47552, 47259, D1950*			WCR
47804	Kettering**, Robin Hood**	*47792, 47591, 47265, D1965*			WCR
47805	Bristol Bath Road**, Pride of Toton**, Talisman**, John Scott 12.5.45-22.5.12**, Roger Hosking MA 1925-2013	*47650, 47257, D1935*	S		GRN
47810	Porterbrook**, Captain Sensible**, Peter Bath MBE 1927-2006, Crewe Diesel Depot	*47655, 47247, D1924*			GRN
47811		*47656, 47128, D1719*	W		FLG
47812	Pride of Eastleigh**	*47657, 47239, D1916*			WCR
47813	SS Great Britain**, John Peel**, Solent**, Jack Frost**	*47658, 47129, D1720*			WCR
47815	Abertawe/Landore**, Lost Boys 68-88**, Great Western	*47660, 47155, D1748*			GRN
47816	Bristol Bath Road Quality Approved**	*47661, 47066, D1650*	S		FLG
47818	Strathclyde**, Emily**	*47663, 47240, D1917*	S		BLU
47826	Springburn**	*47637, 47274, D1976*			WCR

47828	Severn Valley Railway**, Joe Strummer**, Titan Star**	*47629, 47266, D1966*	P	Locomotive Services, Crewe	ICS
47829	POLICE**	*47619, 47264, D1964*	X		
47830	BEECHING'S LEGACY**	*47649, 47061, D1645*	P	Locomotive Services, Crewe	GRN
47832	Tamar**, Driver Tom Clarke OBE**, Solway Princess**	*47560, 47031, D1610*			WCR
47839	Royal County of Berkshire**, Pride of Saltley**, Pegasus**	*47621, 47136, D1728*	X		
47840 [9]	NORTH STAR	*47613, 47077, D1661*	P	West Somerset Railway	BRB
47841	The Institution of Mechanical Engineers, Spirit of Chester**	*47622, 47134, D1726*	S	Locomotive Services, Crewe	ICS
47843	Vulcan	*47623, 47090, D1676*	S		RIV
47847	Benjamin Gimbert GC**, Railway World Magazine	*47577, 47179, D1774*	S		BLL
47848	Newton Abbot Festival of Transport**, Titan Star	*47632, 47068, D1652*			WCR
47851	Industry Year 1986**, Traction Magazine**	*47639, 47064, D1648*			WCR
47854	Women's Royal Voluntary Service**, Diamond Jubilee**	*47604, 47674, 47271, D1972*			WCR
47972	The Royal Army Ordnance Corps**	*97545, 47545, 47062, D1646*	X		

Notes
1: Carries number D1971
2: Sheeted
3: Spares donor
4: Union Flag vinyls
5: On loan to LSL
6: For Hungary
7: Dellner coupler fitted
8: On loan from Mangapps Railway Museum
9: On loan to the North Yorkshire Moors Railway

50

Class 50 Hoover



Dan Cardwell

The British Rail Class 50 is a class of diesel locomotives designed to haul express passenger trains at 100 mph (160 km/h). Built by English Electric at the Vulcan Foundry in Newton-le-Willows between 1967 and 1968, the Class 50s were initially on a 10-year lease from English Electric Leasing, and were employed hauling express passenger trains on the, then non-electrified, section of the West Coast Main Line between Crewe and Scotland.

Initially numbered D400–D449 and known as English Electric Type 4s, the locomotives were purchased outright by British Rail (BR) at the end of the lease and became Class 50 in the TOPS renumbering of 1973. All remaining examples are now preserved

Length	20880mm
Width	2690mm
Height	3890mm
Introduced	1967-68
Withdrawn	1994
Wheel Arrangement	Co-Co
Builder	English Electric
Power	2010kW
Weight	117t
TE	48500lbf
Engine	English Electric 16CSVT
Transmission	Diesel-Electric
Max Speed	100mph
Driving Wheel Dia	1092mm

Diesel Loco

Wheelbase	17120mm

Number	Name			Note	Base	Livery
50007	Hercules, SIR EDWARD ELGAR**	*89407, D407*	P	at ZG for repaint	Severn Valley Railway	BLL
50008	Thunderer	*89408, D408*	P		Arlington Fleet Services - Eastleigh Works	LBL
50049	Defiance	*89449, 50149, D449*	P		Severn Valley Railway	BLL
50050	Fearless	*D400*	P		Boden Engineering, Colwick	BRB

52

Class 52 Western



1/8/25 the Greatest Gathering

By Thomas Harley

The British Rail Class 52 is a class of 74 Type 4 diesel-hydraulic locomotives built for the Western Region of British Railways between 1961 and 1964. All were given two-word names, the first word being "Western" and thus the type became known as Westerns. They were also known as Wizzos and Thousands. All remaining examples now preserved.

Length	20730mm
Width	2640mm

Diesel Loco

Height	3960mm
Introduced	1961-64
Withdrawn	1977
Wheel Arrangement	C-C
Builder	BR Crewe & Swindon
Power	1007kW X2
Weight	110t
TE	297kN
Engine	Maybach MD655 X2
Transmission	Diesel Hydraulic
Max Speed	90 mph
Driving Wheel Dia	1092mm
Wheelbase	1666mm

Number	Name			Base	Livery
D1015	WESTERN CHAMPION	*89416*	P	Severn Valley Railway	BRB

55

Class 55 Deltic



Dan Cardwell

The British Rail Class 55, also known as a Deltic, or English Electric type 5, is a class of diesel locomotive built in 1961 and 1962 by English Electric for British Railways. They were designed for the high-speed express passenger services on the East Coast Main Line (ECML) between Edinburgh and London King's Cross.

They gained the name "Deltic" from the prototype locomotive, DP1 Deltic (the running number DP1 was never carried), which in turn was named after its Napier Deltic power units. At the time of their introduction into service, the Class 55s were the most powerful single-unit diesel locomotives in the world, with a power output of 3,300 hp. They had an official maximum speed of 100 miles per hour, however this was frequently exceeded, especially in their later years of service, with speeds of up to 117 miles per hour, being recorded on level gradients, and up to 125 miles per hour whilst descending Stoke Bank.

Twenty-two locomotives were built, which were used for express passenger services on the ECML, particularly from London to Leeds and Edinburgh. From 1978 the "InterCity 125" High Speed Trains (HSTs) were introduced, and the Deltics were subsequently relegated to semi-fast services on the Kings Cross to York, Edinburgh and Hull routes and continued on sleeper services along the ECML. All were withdrawn from service between January 1980 and December 1981. All remaining examples now preserved.

Length	21180mm
Width	2680mm
Height	3910mm
Introduced	1961-62
Withdrawn	1981
Wheel Arrangement	Co-Co
Builder	English Electric
Power	1230kW x2
Weight	101t
TE	222kN
Engine	Napier Deltic D18-25 x2
Transmission	Diesel-Electric
Max Speed	100mph
Driving Wheel Dia	1143mm
Wheelbase	17830mm

Number	Name			Note	Base	Livery
55009	ALYCIDON	*D9009, 89509, 55013, The Black Watch*	P	Temporarily running as 55013 The Black Watch	Barrow Hill	BRB
D9000	ROYAL SCOTS GREY	*55022, 89500*	P		Locomotive Services, Crewe	GRN

56

ex BR heavy freight type 5 loco



The British Rail Class 56 is a type of diesel locomotive designed for heavy freight work. It is a Type 5 locomotive, with a Ruston-Paxman power unit developing 3,250 bhp (2,423 kW), and has a Co-Co wheel arrangement. Enthusiasts nicknamed them "Gridirons" (or "Grids" for short), due to the grid-like horn cover on the locomotive's cab ends fitted to nos. 56056 onwards.

The Class 56 fleet was introduced between 1976 and 1984, a total of 135 examples were manufactured. The first 30 locomotives (56001 - 56030) were built by Electroputere in Romania, but these typically suffered from poor construction standards and many were withdrawn from service early for extensive rebuilding before re-entering revenue service. The remaining 105 locomotives were built by British Rail Engineering Limited (BREL) at Doncaster Works (56031 to 56115) and Crewe Works (56116 to 56135).

In April 2019, GBRf announced that several Class 56 locomotives would be rebuilt as Class 69s by Progress Rail at its Longport facility. The rebuild scheme involves the replacement of the original Ruston-Paxman RK3 engine with the EMD 710 powerplant, while newer electronic control systems based on those present on the Class 66 were also installed. While the external appearance and many elements were retained, much of the internal systems were replaced with those sourced from the Class 66.

Surviving examples in private use or preservation.

Gauge	1435mm
Builder	Electroputere, BREL
Max Speed	80mph
Introduced	1976-84
Length	19350mm
Width	2790mm

Diesel Loco

Height	3890mm
Weight	125t
Engine	Ruston-Paxman 16RK3CT
Transmission	Diesel Electric
Power	2424kW
TE	275kN
Wheel Arrangement	Co-Co

Number	Name			Note	Base	Livery
56006	Ferrybridge 'C' Power Station**		P		East Lancashire Railway	BRB
56007		*69005*	N	Donor engine for 69005		GBR
56009		*56201, 69015*	N	Donor engine for 69015		GBR
56011			X			
56018		*69003*	N	Donor engine for 69003		GBR
56021			X			
56031	Merehead**	*69001*	N	Donor engine for 69001		GBR
56032	County of South Glamorgan/Sir	*69011*	N	Donor engine for 69011		GBR
56037	Richard Trevithick**	*69007*	N	Donor engine for 69007		GBR
56038	Pathfinder Tours 30 Years of	*69008*	N	Donor engine for 69008		GBR
56045	British Steel Shelton**	*56301*	A			BRB
56046	British Steel Shelton**		X			CIV
56049						COL
56050						
56051	Survival, Isle of Grain**					COL
56058			X			
56060	The Cardiff Rod Mill**	*69009*	N	Donor engine for 69009		GBR
56061			X			
56065		*69010*	N	Donor engine for 69010		FER
56069	Wolverhampton Steel Terminal**	*69004*	N	Donor engine for 69004		GBR
56073	Tremorfa Steel Works**		X			
56074	Kellingley Colliery**		X			

56077	Thorpe Marsh Power Station**	*69012*	N	Donor engine for 69012		GBR
56078	Doncaster Enterprise**		S			COL
56081				Parts donor for Class 69 project	UKRL Leicester	BRB
56086	The Magistrates' Association**		X			
56087	ABP Port of Hull**		S			COL
56090					Boden Engineering, Colwick	COL
56091	Driver Wayne Gaskell The Godfather**		S			DCR
56094	Eggborough Power Station**		E	to Ghana		
56096			A			COL
56097		*69016*	N	Donor engine for 69016		BRT
56098	Lost Boys 68-88		T		Melton RIDC	BLL
56101	Mutual Improvement**, Frank Hornby**	*0659 001-5*	E			FLR
56103	STORA**					DCR
56104		*69014*	N	Donor engine for 69014		GBR
56105			S		Boden Engineering, Colwick	COL
56106			X	1 cab missing!!- for spares		
56112	Stainless Pioneer**					
56113						COL
56115	Barry Needham (+ plaque)**	*0659 002-3*	E			
56117	Wilton-Coalpower**	*0659 003-1*	E	Spares donor		FER
56133	Crewe Locomotive Works**		X			
56302	PECO The Railway Modeller 2016 70 Years	*56124*	E	to Ghana		
56303	Brian**	*56125*	P		East Lancashire Railway	DCR

Diesel Loco

56311	British Fuels**	*56057, 69002*	N	Donor engine for 69002	GBR
56312	Artemis**	*56003, 69013*	N	Donor engine for 69013	GBR
56313	West Burton Power Station**	*56128, 69006*	N	Donor engine for 69006	GBR

57

Ex BR Class 47. Reengined 1998-2004.



John J Cordrey

The British Rail Class 57 is a type of diesel locomotive that was remanufactured from Class 47s by Brush Traction of Loughborough between 1998 and 2004 and was produced in response to an order placed in November 1997 by the recently privatised freight operator Freightliner.

The company sought to have its aging Class 47s, some of which had become increasingly unreliable and uncompetitive in comparison to new-build counterparts, rebuilt. Accordingly, redundant locomotives were handed over to Brush, where they were fitted with re-conditioned Electro-Motive Diesel engines and the same model of traction alternator as that fitted to the Class 56 heavy freight locomotive.

As a result of this scheme, improved reliability and performance was recorded; Freightliner placed multiple follow-on orders for more to be rebuilt, as would other operators. However, Freightliner abandoned its long-term plans to acquire twenty-five Class 57s in favour of new-built Class 66 locomotives instead.

Class 57/3 fitted with retractable Dellner couplings

Gauge	1435mm
Builder	Brush Traction

Diesel Loco

Max Speed	75mph/95mph
Introduced	1998-2004
Length	19380mm
Width	2790mm
Height	3900mm
Weight	115t-119t
Engine	EMD 645-E3 / EMD 645-F3B
Transmission	Diesel Electric
Driving Wheel Dia	1143mm
Wheelbase	15700mm
Wheel Arrangement	Co-Co

Number	Name			Livery
57001	Freightliner Pioneer**	*47356, D1875*		WCR
57002	Freightliner Phoenix**, Rail Express**, Winston Churchill	*47322, D1803*		BLK
57003 [1]	, Freightliner Evolution**, Inter City Railway Society 50th Anniversary 1973-2023	*47317, D1798*	P	RFD
57004	Freightliner Quality**	*47347, D1828*	X	DRC
57005	Freightliner Excellence**	*47350, D1831*	S	ADV
57006	Freightliner Reliance**	*47187, D1837*		WCR
57007 [2]	John Scott 12.5.45 - 22.5.12**, Freightliner Bond**	*47332, D1813*	X	DRS
57008	Telford International Railfreight Park June - 2009**, Freightliner Explorer**	*47060, D1644*		WCR
57009 [3]	G.J. Churchward	*47079, D1664, Freightliner Venturer*		GRN
57010	Freightliner Crusader**	*47231, D1907*		WCR
57011	Freightliner Challenger**	*47329, D1810*	S	DRC
57012	Freightliner Envoy**	*47388, 47204, D1854*		WCR
57301	Goliath, THUNDERBIRDS SCOTT TRACY**	*47845, 47638, 47069, D1653*		DRI
57302	Chad Varah**, THUNDERBIRDS VIRGIL TRACY**	*47827, 47589, 47251, D1928*	S	LBK
57303	Pride of Carlisle, THUNDERBIRDS ALAN TRACY**	*47705, 47554, 47261, D1957*		DRU
57304	THUNDERBIRDS GORDON TRACY**, Pride of Cheshire**	*47807, 47652, 47055, D1639*		DRI

57305	Northern Princess**, THUNDERBIRDS JOHN TRACY**	*47822, 47571, 47164, D1758*	DRS
57306 [4]	Her Majesty's Railway Inspectorate 175	*47814, 47659, 47242, D1919*	GBU
57307	THUNDERBIRDS LADY PENELOPE	*47225, D1901*	DRI
57308	County of Staffordshire**, THUNDERBIRDS TIN TIN**, Jamie Ferguson**	*47846, 47647, 47091, D1677*	DRI
57309	THUNDERBIRDS BRAINS**, Pride of Crewe**	*47806, 47651, 47254, D1931*	DRI
57310	Pride of Cumbria**, THUNDERBIRDS KYRANO**, UK Railtours	*47831, 47563, 47037, D1618*	GBU
57311	Thunderbird**, THUNDERBIRDS PARKER**, The Institution of Mechanical Engineers	*47817, 47662, 47032, D1611*	BLK
57312	Solway Princess**, Peter Henderson**, THUNDERBIRDS THE HOOD**	*47390, 47330, D1811*	ROG
57313	THUNDERBIRDS TRACY ISLAND**, Scarborough Castle,	*47371, D1890*	PUL
57314	THUNDERBIRDS FIREFLY**, Conwy Castle	*47372, D1891*	WCR
57315	THUNDERBIRDS THE MOLE**	*47234, D1911*	WCR
57316	THUNDERBIRDS FAB 1** Alnwick Castle	*47290, D1992*	WCR
57601	Sheila**, Windsor Castle	*47825, 47590, 47165, D1759*	PUL
57602	Restormel Castle	*47337, D1818*	GWG
57603	Tintagel Castle	*47349, D1830*	GWG
57604	PENDENNIS CASTLE	*47393, 47209, D1859*	GWR
57605	Totnes Castle	*47206, D1856*	GWG

Notes

1: Locomotive Services, Crewe
2: Locomotive Services, Crewe
3: Nemesis Rail, Burton-on-Trent
4: On hire to Reading Traincare Depot

58

Ex BR type 5 Freight locomotive.



John J Cordrey

The British Rail Class 58 is a class of Co-Co diesel locomotive designed for heavy freight. The narrow body with cabs at either end led to them being given the nickname "Bone" by rail enthusiasts.

Their design represented a major departure from British conventions of construction; amongst the innovations was the adoption of the American practice of modularisation. The first locomotive of the class was delivered to British Rail during early 1983 and entered service that same year. Despite expectations of a lengthy service life, during 2002, EWS decided to withdraw all examples of the type after only 19 years in service. Subsequently, 32 were hired abroad – four to the Netherlands, eight to Spain and twenty to France. A few examples have also been scrapped or have entered preservation. Most examples in storage in France/Spain.

Gauge	1435mm
Builder	BREL Doncaster
Max Speed	80mph
Introduced	1983-87
Withdrawn	2002 (UK)
Length	19130mm
Width	2720mm
Height	3910mm
Weight	127.9t
Engine	Ruston Paxman 12RK3ACT
Transmission	Diesel Electric
Power	2460kW

Diesel Loco

TE	267kN
Driving Wheel Dia	1120mm
Wheelbase	14850mm
Wheel Arrangement	Co-Co

Number	Name			Base	Livery
58001			X		ETF
58002	Daw Mill Colliery**		X		MLF
58003	Markham Colliery**		X		
58004			X		TSO
58005	Ironbridge Power Station**		X		ETF
58006			X		ETF
58007	Drakelow Power Station**		X		TSO
58008			X		MLF
58009			X		TSO
58010			X		TSO
58011	Worksop Depot**		X		TSO
58012			R	Battlefield Line	MLG
58013			X		ETF
58014	Didcot Power Station**		X		
58015		*L54*	X		CON
58016 [1]			R	UKRL Leicester	FER
58017	Eastleigh Depot**		X		MLG
58018	High Marnham Power Station**		X		TSO
58019	Shirebrook Colliery**		X		
58020	Doncaster Works BRE**, Doncaster Works**	*L43*	X		CON
58021	Hither Green Depot**		X		TSO
58022 [2]		*10000*	M	Ecclesbourne Valley Railway	MLG
58023	Peterborough Depot**, Leicester Depot		A	Severn Valley Railway	MLF
58024		*L42*	X		CON
58025		*L41*	S	ADIF - Albacete	CON
58026			X		TSO
58027		*L52*	S	ADIF - Albacete	CON
58028			X		
58029		*L44*	X		CON
58030		*L46*	X		CON
58031	Caballero Ferroviario**	*L45*	X		CON
58032	Thoresby Colliery**		X		ETF
58033			X		TSO

58034	Bassetlaw**		X		TSO
58035			X		TSO
58036			X		ETF
58037	Worksop Depot**		X		EWS
58038			X		ETF
58039	Rugeley Power Station**		X		ETF
58040	Cottam Power Station**		X		TSO
58041	Ratcliffe Power Station**	*L36*	S	ADIF - Albacete	CON
58042	Petrolea**, Ironbridge Power Station**		X		ETF
58043	Knottingley**	*L37*	X		CON
58044 [3]	Oxcroft Opencast**		W		
58045			X		
58046	Thoresby Colliery**, Asfordby Mine**		X		TSO
58047	Manton Colliery**	*L51*	X		CON
58048	Coventry Colliery**		R	Battlefield Line	EWS
58049	Littleton Colliery**		X		ETF
58050	Toton Traction Depot**	*L53*	X		CON

Notes

1: Awaiting restoration

2: Donor Loco for Project Icon. Being rebuilt into LMS 10000

3: Left in Woippy Yard, after issues with the wheel sets were found while the loco was being returned to Alizay in 2013

59

GM-EMD



MRG

GM-EMD built locos originally designed on behalf of Foster Yeoman for hauling heavy aggregate trains (59/0). Further orders from ARC (59/1) & National Power (59/2) followed. Most examples now to be seen running from Southwest quarries on aggregate services.

Gauge	1435mm
Builder	GM-EMD
Max Speed	60mph / 75mph (59/2)
Introduced	1985-95
Length	21400mm
Width	2650mm
Height	3910mm
Weight	126t
Engine	EMD 16-645E3C
Transmission	Diesel Electric
Power	2460kW
TE	290kN
Driving Wheel Dia	1143mm
Wheel Arrangement	Co-Co

Number	Name	Livery
59001	YEOMAN ENDEAVOUR	FOS

59002	ALAN J DAY, YEOMAN ENTERPRISE**		AGI
59003 [1]	YEOMAN HIGHLANDER**	*259003*	GBU
59004	PAUL A HAMMOND, YEOMAN CHALLENGER**		AGI
59005	KENNETH J PAINTER		AGI
59101	Village of Whatley		GHM
59102	Village of Chantry		GEN
59103	Village of Mells		HAN
59104	Village of Great Elm		GEN
59201	Vale of York**, Westbury PSB 1984-2024		GEN
59202	Alan Meddows Taylor MD, Mendip Rail Limited**, Pride of Ferrybridge		GEN
59203	Vale of Pickering**		GEN
59204	Vale of Glamorgan**		GEN
59205	L. Keith McNair**, Vale of Evesham**		GEN
59206	John F. Yeoman Rail Pioneer, Pride of Ferrybridge**		GEN

Notes

1: Numbered 259003 while in Germany between 1997 and 2014.

60

Brush type 5 heavy freight loco



The British Rail Class 60 is a class of Co-Co heavy freight diesel-electric locomotives built by Brush Traction. They are nicknamed Tugs by rail enthusiasts. During the 1980s, it became increasingly apparent that British Rail required a more capable Type 5 locomotive for its heavy freight trains. Dissatisfaction with the British Rail Class 56's reliability led to the stipulation of a 95 percent availability, a stringent requirement at the time. A total of three bids were received to a competitive tender issued on 10 August 1987; of these, Brush Traction's submission was selected and an order for 100 locomotives was issued during the following year. Despite the first example being completed during June 1989, due to a number of technical issues discovered during testing, the first examples of the Class 60 would not enter revenue service until late 1990.

Operated only during the final years of British Rail, the entire Class 60 fleet became the property of English Welsh & Scottish (EWS) following the privatisation of British Rail during the mid 1990s. While the company was reportedly unimpressed by the type's performance, it was retained for heavy freight duties while much of the fleet was stored and subsequently sold on to other operators. Between 2004 and 2007, typically between 50 and 75% of the fleet would be out of action at a given time. However, during November 2010, EWS's successor, DB Schenker, announced that a portion of the fleet would be overhauled, referring to such units as Super 60s and extending their service life through to around 2025. Not all Class 60s received such overhauls however. During 2020, a Class 60 became the first example of the type to be scrapped, while another became the first to be preserved.

Gauge	1435mm
Builder	Brush Traction
Max Speed	60mph

Diesel Loco

Introduced	1989-93
Length	21340mm
Width	2640mm
Height	3950mm
Weight	129t-131t
Engine	Mirrlees MB275T
Transmission	Diesel Electric
Power	2300kW
TE	474kN
Wheelbase	15300mm
Wheel Arrangement	Co-Co

Number	Name		Note	Base	Livery
60001	The Railway Observer**, Steadfast**	S	Re-engined		DBC
60002	High Peak**, Capability Brown**, GRAHAM FARISH 50TH ANNIVERSARY 1970-2020	O			GBU
60003	Freight Transport Association, Christopher Wren**	Z			EWS
60004	Lochnagar**	Z			EWS
60005	BP Gas Avonmouth**, Skiddaw**	Z			EWS
60006	Scunthorpe Ironmaster**, Great Gable**	X			
60007	The Spirit of Tom Kendell**, Robert Adam**	S	Re-engined and Switch on Safety branding	Boden Engineering, Colwick	DBC
60008	Sir William McAlpine**, Gypsum Queen II**, Moel Fammau**	Z		UKRL Loughborough	EWS
60009	Carnedd Dafydd**	Z		UKRL Loughborough	EWS
60010	Pumlumom Plynlimon**	S	Re-engined	Boden Engineering, Colwick	DBC

Diesel Loco

60011	Cader Idris**	W	Re-engined	Boden Engineering, Colwick	DBC
60012	Glyder Fawr**	S		Land Recovery Ltd, Crewe	EWS
60013	Robert Boyle**	O		UKRL Loughborough	RFE
60014	Alexander Fleming**	Z			RFE
60015	Bow Fell**	S	Re-engined		DBC
60017	Shotton Works Centenary Year 1996**, Arenig Fawr**	S	Re-engined		DBS
60018	Moel Siabod**	Z			EWS
60019	Port of Grimsby & Immingham**, Wild Boar Fell**	S	Re-engined		DBC
60020	Great Whernside**, The Willows**	S	Re-engined		DBS
60021	Star of the East**, Pen-y-Ghent**, PENYGHENT	A	Re-engined		GBU
60022	Ingleborough	A		Boden Engineering, Colwick	067
60023	The Cheviot**	Z			EWS
60024	Elizabeth Fry**	A	Re-engined		DBC
60025	Caledonian Paper**, Joseph Lister	Z			EWS
60026	HELVELLYN	A	Re-engined		BEB
60027	Joseph Banks**	Z			EWS
60028	Cnoc Mhaoldomhnaigh/Knockmealdown, John Flamsteed**	A			CAP
60029	Clitheroe Castle**, Ben Nevis	A			DCR
60030	Cir Mhor**	Z			EWS
60031	ABP Connect**, Ben Lui**	Z			EWS
60032	William Booth**	Z		Land Recovery Ltd, Crewe	TGG
60033	Tees Steel Express, Anthony Ashley Cooper**	Z			COR
60034	Carnedd Llewelyn (One side only)	Z			RFE

60035	Florence Nightingale**	Z	Re-engined		EWS
60036	GEFCO, Sgurr Na Ciche**	Z		Land Recovery Ltd, Crewe	EWS
60037	Aberddawan/Aberthaw**, Helvellyn**	Z		Land Recovery Ltd, Crewe	EWS
60038	AvestaPolarit (One side only), Bidean Nam Bian**	Z		UKRL Loughborough	EWS
60039	Glastonbury Tor**, Dove Holes	S	Re-engined		DBC
60040	The Territorial Army Centenary**, Brecon Beacons**	S			DBC
60041	High Willhays**	Z			EWS
60042	The Hundred of Hoo**, Dunkery Beacon**	Z			EWS
60043	Yes Tor**	Z			EWS
60044	Ailsa Craig**, Dowlow**	S	Re-engined		DBC
60045	The Permanent Way Institution, Josephine Butler**	Z			EWS
60046	William Wilberforce	A		UKRL Loughborough	DCR
60047	Robert Owen**, SCAFELL PIKE	A			COL
60048	Eastern**, Saddleback**	Z		Land Recovery Ltd, Crewe	EWS
60049	Scafell**	Z			EWS
60050	Roseberry Topping**	Z	Reported Scrapped		EWS
60051	Mary Somerville**	Z			EWS
60052	Glofa Twr - The last deep mine in Wales**, Goat Fell**	Z		Land Recovery Ltd, Crewe	EWS
60053	Nordic Terminal**, John Reith**	Z			EWS
60054	Charles Babbage**	S	Re-engined		DBC
60055	Thomas Barnardo	A			DCR
60056	William Beveridge**, Great Gable	A	Re-engined		GBU
60057	Adam Smith**	X			
60058	John Howard**	Z			EWS

60059	Swinden Dalesman**, Samuel Plimsoll**	S	Re-engined		DBC
60060	James Watt**	O		UKRL Leicester	RFE
60061	Alexander Graham Bell**	Z		UKRL Loughborough	TGG
60062	Samuel Johnson**, Stainless Pioneer**, Sonia**, Olivia Grace	A	Re-engined		EPR
60063	James Murray**, Robert Leech	A	Re-engined		EPR
60064	Back Tor**	Z		UKRL Loughborough	RFE
60065	Spirit of Jaguar**, Kinder Low**	S	Re-engined		DBR
60066	John Logie Baird	S			021
60067	James Clerk-Maxwell**	Z			RFE
60068	Charles Darwin**	Z		Land Recovery Ltd, Crewe	RFE
60069	Slioch, Humphry Davy**	Z			EWS
60070	John Loudon McAdam**	Z		UKRL Loughborough	BRT
60071	Ribblehead Viaduct**	Z			EWS
60072	Cairn Toul**	Z			RFE
60073	Cairn Gorm**	Z			RFE
60074	Teenage Spirit**, Braeriach**, Luke**, Daniel Murray	S	Re-engined.		EPR
60075	Liathach**	X			
60076	Suilven**, Cross Fell	A	Re-engined		GBU
60077	Canisp**	S		Land Recovery Ltd, Crewe	RFE
60078	Stac Pollaidh**	Z		Land Recovery Ltd, Crewe	MLF
60079	Foinaven**	S	Re-engined		DBS
60080	Bispham Drive Junior School, Toton**, Kinder Scout**	Z		UKRL Loughborough	EWS
60081	Isambard Kingdom Brunel**, Bleaklow Hill**	P		One:One Collection	GRN
60082	Mam Tor**	Z			RFE

60083	Mountsorrel**, Shining Tor**		A			EWS
60084	Cross Fell**		S		Land Recovery Ltd, Crewe	RFE
60085	Mini - Pride of Oxford**, Axe Edge**, Snowdon		A	Re-engined		GBU
60086	Schiehallion**		Z	Reported Scrapped		RFE
60087	, Barry Needham**, Slioch**, Ingleborough		A	Re-engined		GBU
60088	Buachaille Etive Mor**		Z			RFE
60089	The Railway Horse**, Arcuil**		Z		Land Recovery Ltd, Crewe	EWS
60090	Quinag**		Z		UKRL Loughborough	RFE
60091	An Teallach**, Barry Needham**		S	Re-engined		DBC
60092	Reginald Munns**		S	Re-engined		DBC
60093	Adrian Harrington 1955-2003**, Jack Stirk**		Z		Land Recovery Ltd, Crewe	EWS
60094	Rugby Flyer		Z			EWS
60095	Crib Goch**, WHERNSIDE		A	Re-engined		GBU
60096	Ben Macdui**, Skiddaw		A	Re-engined		COL
60097	ABP Port of Grimsby and Immingham**, Pillar**		Z			EWS
60098	Charles Francis Brush**		Z		UKRL Loughborough	EWS
60099	Ben More Assynt		A		UKRL Loughborough	CAP
60100	Pride of Acton**, Boar of Badenoch**, Midland Railway - Butterley**		S			DBC
60500	Rail Magazine**, Langdale Pikes**	*60016*	Z			EWS

66

General purpose freight loco from GM-EMD



The Class 66 is a type of six-axle diesel-electric freight locomotive developed in part from the Class 59, for use on UK railways. Since its introduction the class has been successful and has been sold to British and other European railway companies. In Continental Europe it is marketed as the EMD Class 66 (JT42CWR).

Builder	EMD
Max Speed	75mph
Introduced	1998
Length	21.4m
Weight	142.9t
Engine	EMD 12N
Transmission	Diesel-Electric
Power	2460kW
TE	260kN (cont)
Driving Wheel Dia	1066mm
Wheel Arrangement	Co-Co

Number	Name	Note	Livery
66001			DBC
66002	Lafarge Quorn**		DBC
66003			DBC
66004			CLM
66005	Maritime Intermodal One		DBM

66006		*0663 000-3*	T		BLUE
66007					DBC
66009			S		DBC
66010					DBC
66011					DBC
66012			S		DBC
66013			S		EWZ
66014			T		BLUE
66015					DBC
66017					DBC
66018			S		DBC
66019					DBC
66020					DBC
66021					DBC
66022	Lafarge Charnwood**		E		ETC
66023			S		DBR
66024			T		BLUE
66025					DBC
66026					DBC
66027			S		DBC
66028					EWZ
66029			E		ETC
66030					DBC
66031				On hire to DRS for RHTT.	DRS
66032					DBC
66033			E		ETC
66034					DBC
66035	Resourceful				DBC
66036			E		ETC
66037			S		EWZ
66038			E		ETC
66039					DBC
66040			T		BLUE
66041					DBC
66042	Lafarge Buddon Wood**		E		ETC
66043			S		DBR
66044					DBC
66045			E		ETC
66047	Maritime Intermodal Two		S		DBM

66048	James the Engine**	W	Derailed at Carrbridge 04/01/2010 and written-off.	BLK
66049		E		ETC
66050	EWS Energy**, Yorkshire Rose			DBC
66051	Maritime Intermodal Four			DBM
66052		E		ETC
66053				DBR
66054				DBC
66055	Alain Thauvette			DBC
66056				DBC
66057				DBC
66059				DBC
66060				DBC
66061		S		DBC
66062		E		ETC
66063				EPX
66064		E		ETC
66065				DBC
66066	Geoff Spencer			DBC
66067				DBC
66068	Pride in Motion			EWZ
66069		S		DBC
66070				DBC
66071		E		ETC
66072		E		ETC
66073				DBC
66074	Teesport Express**			DBC
66075		S		BLUE
66076		S		BLUE
66077	Benjamin Gimbert G.C.			DBC
66078				DBC
66079	James Nightall G.C.			DBC
66080		S		DBR
66082				DBC
66083				EWZ
66084				DBC
66085		S		BLUE
66086		S		DBC
66087		S		EWZ
66088				DBC

66089		S		EWZ
66090	Maritime Intermodal Six			DBM
66091	Accurascale			DBC
66092				DBC
66093		S		DBC
66094				DBC
66095		S		Blue
66096				DBR
66097				DBC
66098				DBC
66099			"We Stand with Ukraine" Decals	DBC
66100	Armistice 100 1918 - 2018			DBC
66101		S		DBC
66102		S		DBC
66103				DBR
66104				DBC
66105		S		DBC
66106				DBC
66107				DBC
66108	Seaforth Highlander		On hire to DRS for RHTT.	DRS
66109	Teesport Express			PDB
66110		S		DBC
66111		S		DBR
66112				DBC
66113		S		DBC
66114				DBC
66115		S		DBC
66116				EWZ
66117		S		DBC
66118				DBC
66119				EWZ
66120				DBC
66121				DBR
66122				DBC
66123		E		ETC
66124				DBC
66125				DBC
66126	Driver Jack Mills			DBC
66127				DBR
66128				DBC
66129				EWZ

66130					DBC
66131					DBC
66133					DBC
66134					DBC
66135			S		DBC
66136					DBC
66137			S		DBC
66138			S		EWZ
66139					DBC
66140					EWZ
66142	Maritime Intermodal Three				DBM
66143					DBC
66144					DBC
66145			S		DBR
66146		*0066 146-6*			EWZ
66148	Maritime Intermodal Seven		S		DBM
66150					DBC
66151			S		EWZ
66152	Derek Holmes Railway Operator				DBC
66153		*0066 153-2*			EWZ
66154			S	Doncaster Super Shunter	EWZ
66155	Jackie Cleave				DBC
66157		*0066 157-3*			EWZ
66158					EWZ
66159		*0066 159-9*			EWZ
66160			S		EWZ
66162	Maritime Intermodal Five				DBM
66163		*0066 163-1*			DBC
66165			S		DBC
66166		*0066 166-4*			EWZ
66168					DBR
66169					EWZ
66170			S		EWZ
66172	PAUL MELLENEY		S		DBR
66173		*0066 173-0*			EWZ
66174					DBC
66175	Rail Riders Express				DBC
66176			A		DBR
66177					DBC

66178		*0066 178-9*			DBC
66179					ETC
66180		*0066 180-5*			ETC
66181					DBC
66182					DBC
66185	DP WORLD London Gateway				DBC
66186	Anthony Slater				DBC
66187			S		EWZ
66188			S		DBR
66189		*0066 189-6*			DBC
66190	Martin House Children"s Hospice				DBC
66191			E		ETC
66192					DBC
66193			E		ETC
66195			E		ETC
66196		*0066 196-1*			EWZ
66197			S		DBC
66198					EWZ
66199					DBC
66200	RAILWAY HERITAGE COMMITTEE**, The Jeremy Vine Show			Rail 200 Decals	DBC
66201			E		ETC
66202			E		ETC
66203					ETC
66204					ETC
66205					DBC
66206					DBC
66207					DBC
66208			E		ETC
66209			E		ETC
66210			E		ETC
66211			E		EWZ
66212			E		ETC
66213			E		ETC
66214			E		EWZ
66215			E		ETC
66216			E		ETC
66217			E		ETC
66218			E		ETC
66219			E		ETC

66220		*0066 220-9*			DBC
66222			E		ETC
66223			E		ETC
66224			S		DBC
66225			E		ETC
66226			E		ETC
66227		*0066 227-4*			DBC
66228			E		ETC
66229			E		ETC
66230			S		DBC
66231			E		ETC
66232			E		ETC
66233			E		ETC
66234			E		ETC
66235			E		ETC
66236			E		ETC
66237		*0066 237-3*			ETC
66239			E		ETC
66240			E		ETC
66241			E		ETC
66242			E		ETC
66243			E	On hire to ETMF.	ETC
66244					DBC
66245			E		ETC
66246			E		ETC
66247			E		ETC
66248		*0066 248-0*			DBC
66249			E		ETC
66301	Drax Power Station 50, Kingmoor TMD**			Drax 50 years of Moving Forward livery	076
66302	Endeavour			GBRF Logos	DRS
66303	Rail Riders 2020**, Preston North End				GBU
66304					DRS
66305	Embsay & Bolton Abbey Steam Railway				GBU
66306	SCS Logistics	*CB1001, 266 106-4*			GBU
66307	Ipswich Town	*77502*			GBU
66308	Signalman Willie Taylor	*77503*			GBU
66309	Charley Wallace	*77501*			GBU

66310	Bo'ness and Kinneil Railway	*77507*			GBU
66311		*77504*			GBU
66312	Nigel Harris	*266 107-2*			GBU
66313	Lucie	*CB1000, 266 105-6*			GBU
66314	Katie	*77506*			GBU
66315		*77505*			GBU
66316		*1266 015-7, 29003*			GBG
66411	Eddie the Engine**	*66013, 0066 411-4*	A	In Poland as 66013, not the same as DBC 66013 - Eq: GB/PL	
66412		*66015, 0066 412-2*	A	In Poland as 66015, not the same as DBC 66015	
66413	Lest We Forget				HHR
66414	James the Engine**				FLP
66415	You Are Never Alone				GEN
66416					FLP
66417		*66014, 0066 417-1*	A	In Poland as 66014, not the same as DBC 66014 - Eq: GB/PL	
66418	PATRIOT IN MEMORY OF FALLEN RAILWAY EMPLOYEES				FLP
66419	Lionesses Roar				HHR
66420					FLP
66421	Gresty Bridge TMD				DRS
66422	Max Joule 1958-1999				DRS
66423					DRS
66424	Driver Paul Scrivens 1969-2021				DRS
66425	Nigel J Kirchstein 1957-2021				DRS
66426					DRS
66427					DRS
66428	Carlisle Eden Mind				DRS
66429	Charlie Birse				DRS
66430					DRC
66431	Kingmoor TMD				DRS
66432					DRS
66433	Carlisle Power Signal Box				DRS

66434					DRS
66501	, JAPAN 2001**, Spirit of '65 - Celebrating 60 years of Freightliner		A	FL 60th Anniversary livery	FLO
66502	Basford Hall Centenary 2001**			Andy Mans Club decals	GEN
66503	The RAILWAY MAGAZINE, Celebrating 125 Yaers 1897-2022				GEN
66504					FLP
66505					FLG
66506	Crewe Regeneration**				FLG
66507					FLG
66508	City of Doncaster				GEN
66509	Freightliner Retirement Association				GEN
66510					FLG
66511					FLG
66512					FLG
66513					FLG
66514					FLG
66515					FLG
66516					FLG
66517					FLG
66518					FLG
66519					FLG
66520					FLG
66521			X	Destroyed in the Selby rail accident 28/02/2001.	
66522	east london express				FLP
66523					FLG
66524					FLG
66525					FLG
66526	Driver Steve Dunn (George)	*66021, 0066 526-9*	A	In Poland as 66021, not the same as DBC 66021	
66527	Don Raider Raider Class**	*66016, 0066 527-7*	A	In Poland as 66016, not the same as ex DBC 66016 - Eq: GB/PL	
66528	Madge Elliot MBE Borders Railway Opening 2015				FLP

66529		*66022, 0066 529-3*	A	In Poland as 66022, not the same as DBC 66022	
66530		*66017, 0066 530-1*	A	In Poland as 66017, not the same as DBC 66017 - Eq: GB/PL	
66531					FLG
66532	P&O Nedlloyd Atlas				FLG
66533	Hanjin Express / Senator Express				FLG
66534	OOCL EXPRESS				FLG
66535		*66018, 0066 535-0*	A	In Poland as 66018, not the same as DBC 66018 - Eq: GB/PL	
66536					HHR
66537					HHR
66538					FLG
66539					FLG
66540	Ruby				FLG
66541					FLG
66542					FLG
66543					FLG
66544					FLG
66545					FLH
66546					FLG
66547					FLG
66548					FLG
66549					FLG
66550					FLG
66551					FLG
66552	Maltby Raider		S		FLG
66553					FLG
66554					FLG
66555				HHR decals	FLG
66556					FLG
66557					FLG
66558					FLG
66559					FLH
66560					FLG
66561					FLG
66562					FLG
66563					FLG

66564					FLG
66565					FLG
66566					FLG
66567					FLG
66568					FLG
66569	Gerald"The Rule Book"Riley				FLG
66570					FLG
66571					FLG
66572					FLG
66582		*66009, 3650 010-3*	A	In Poland as 66009, not the same as DBC 66009 - Eq: GB/PL	
66583		*66010, 3650 011-1*	A	In Poland as 66010, not the same as DBC 66010 - Eq: GB/PL	
66584		*66011, 3650 012-9*	A	In Poland as 66011, not the same as DBC 66011 - Eq: GB/PL	
66585	The Drax Flyer				FLG
66586		*66008, 3650 009-5*	A	In Poland as 66008, not the same as ex GBRF 66008 - Eq: GB/PL	
66587	AS ONE, WE CAN				ONE
66588					FLG
66589					FLG
66590					FLG
66591			S		FLG
66592	Johnson Stevens Agencies				FLG
66593	3MG MERSEY MULTIMODAL GATEWAY				FLGY
66594	NYK Spirit of Kyoto				FLG
66595		*66020, 0066 595-4*	A	In Poland as 66020, not the same as DBC 66020 - Eq: GB/PL	
66596					FLG
66597	Viridor				FLG
66598					FLG

66599		*66023, 0066 599-6*	A	In Poland as 66023, not the same as DBC 66023	
66601	The Hope Valley**			FL 60th Anniversary livery	FLG
66602					HHR
66603					FLG
66604					FLG
66605	Tribute - Remembering our Freightliner Colleagues and Friends				GEN
66606					FLG
66607					FLG
66608		*66603, 3650 030-1*	A	In Poland as 66603, not the same as FL 66603 - Eq: GB/PL	
66609		*66605, 0066 609-3*	A	In Poland as 66605, not the same as FL 66605	
66610					FLG
66611		*66604, 0066 611-9*	A	In Poland as 66604, not the same as FL 66604 - Eq: GB/PL	
66612	Forth Raider**	*66606, 0066 612-7*	A	In Poland as 66606, not the same as FL 66606 - Eq: GB/PL	
66613					FLG
66614	1916 POPPY 2016				FLG
66615					FLG
66616					FLG
66617					FLG
66618	Railways Illustrated Annual Photographic Awards Alan Barnes				FLG
66619	Derek W. Johnson MBE				FLG
66620					FLG
66621					FLG
66622					FLG
66623	Bill Bolsover**, Lest We Forget				GEN
66624		*66602, 3650 014-5*	A	In Poland as 66602, not the same as FL 66602 - Eq: GB/PL	

66625		*66601, 3650 013-7*	A	In Poland as 66601, not the same as FL 66601 - Eq: GB/PL	
66651		*66221*			DBC
66652		*66164*			DBC
66653	Barry Needham	*66194*			DBC
66654		*66149*			DBC
66655		*66167*			DBC
66656		*66156*			DBC
66657		*66183*			DBC
66658		*66147*			DBC
66659		*66171*			DBC
66660		*66161*			DBC
66667	West Somerset Railway	*66757*			GBA
66671	Wensleydale Railway Association 25 years 1990 - 2015	*66761*			GBA
66682	Maria	*66772*			GBA
66685	HMS Argyle	*F231, 66775*		F231 is large number on the Side	GBU
66686	Joanne	*66776*			GBA
66687	Annette	*66777*			GBA
66689	EVENING STAR	*66779*		GBRF BRANDING	GRN
66693	Dave Meehan**	*29004, 66793, 66693*		Ex Germany.	BRT
66694	Steve Hannam	*29005, 66794*		Ex Germany.	BRT
66695	Bescot LDC	*561-05, 66795*		Ex Germany.	GBU
66701	Whitemoor**				GBA
66702	Blue Lightning				GBA
66703	Doncaster PSB 1981-2002				GBA
66704	Colchester Power Signalbox				GBA
66705	Golden Jubilee				GBA
66706	Nene Valley				GBA
66707	Sir Sam Fay GREAT CENTRAL RAILWAY				GBA
66708	Слава Україні Glory to Ukraine			Ukraine flag	GBU
66709	Sorrento				MED
66710	Phil Packer BRIT**, Karen Harrison				
66711	Sence				020
66712	Peterborough Power Signalbox				GBA

66713	Forest City				GBA
66714	Cromer Lifeboat				GBA
66715	VALOUR				GBA
66716	LOCOMOTIVE & CARRIAGE INSTITUTION CENTENARY 1911-2011				GBA
66717	Good Old Boy				GBA
66718	Gwyneth Dunwoody**, Sir Peter Hendy of Richmond Hill of Imber in the County of wiltshire				019
66719	METRO-LAND**, Michael Portillo				GBA
66720	Metronet Pathfinder**, Wascosa			Wascosa Branding	GBU
66721	Harry Beck				018
66722	Sir Edward Watkin				GBA
66723	Chinook	*ZA723*			GBU
66724	Drax Power Station				GBU
66725	SUNDERLAND				GBU
66726	SHEFFIELD WEDNESDAY				GBU
66727	Maritime One				DBM
66728	Institution of Railway Operators**, Chartered Institution of Railway Operators Celebrating 25 years				GBA
66729	DERBY COUNTY				GBA
66730	Whitemoor				GBA
66731	Capt. Tom Moore A True British Inspiration				NHS
66732	GBRf The First Decade 1999 – 2009 John Smith – MD		O		GBA
66733	Cambridge PSB	*66401*			GBA
66734	The Eco Express**	*66402*	X	Scrapped 2013. Derailed at Loch Treig 28/06/2012 after hitting a landslide. Due to the remoteness it was cut up on site.	

66734	PLATINUM JUBILEE	*PB04, 266 063-7*	Current 66734. Was in Germany, Exported to UK as 66734 (2nd loco to carry 66734)	GBP
66735	PETERBOROUGH UNITED	*66403*		GBA
66736	WOLVERHAMPTON WANDERERS	*66404*		GBA
66737	Lesia	*66405*		GBA
66738	HUDDERSFIELD TOWN	*66578*		GBA
66739	Bluebell Railway	*66579*		GBA
66740	Sarah	*66580*		GBA
66741	Swanage Railway	*66581*		GBA
66742	ABP Port of Immingham Centenary 1912-2012	*66841, 66406*		GBA
66743		*66842, 66407*		RSM
66744	Heart of Wales, Crossrail**	*66843, 66408*		008
66745	Wigan Springs Branch, Modern Railways The first 50 years**	*66844, 66409*		GBU
66746		*66845, 66410*		RSM
66747	Made in Sheffield	*DE6316, 266 286-4*	Converted from EMD 20078968-007.	NWT
66748	St. Michael's Mount, West Burton 50*	*DE6313, 266 283-1*	Converted from EMD 20078968-004.	008
66749	Christopher Hopcroft MBE 60 Years Railway Service	*DE6315, 266 285-6*	Converted from EMD 20078968-006.	GBA
66750	Bristol Panel Signal Box	*6606, 266 025-6*	Converted from EMD 20038513-001.	GBA
66751	Inspiration Delivered Hitachi Rail Europe	*6609, 29006, 266 028-0*	Converted from EMD 20038513-004.	GBA
66752	The Hoosier State			GBA
66753	EMD Roberts Road			GBA
66754	Northampton Saints			GBA
66755	Tony Berkeley OBE RFG Chairman 1997 - 2018			GBA
66756	Royal Corps Of Signals			GBA
66758	The Pavior			GBA
66759	Chippy			GBA
66760	David Gordon Harris			GBA
66762				GBA

66763	Severn Valley Railway			GBA
66764	Major John Poyntz Engineer & Railwayman			GBA
66765	Julie Garn			GBA
66766	Gail Richardson			GBA
66767	King's Cross PSB 1971-2021			GBA
66768	Yvonne Bradley			GBA
66769	LMA LEAGUE MANAGERS ASSOCIATION Paul Taylor Our Inspiration			PCU
66770	Darius Cheskin			GBA
66771	Amanda			GBA
66773	Pride of GB Railfreight			GBS
66774	Sue Coles			GBA
66778	Cambois Depot 25 Years, Darius Cheskin**			GBA
66780	The Cemex Express	*66008*		CEM
66781	Ratcliffe Power Station	*66016*		GBU
66782		*66046*		
66783	The Flying Dustman	*66058*		GBU
66784	Keighley & Worth Valley Railway 50th Anniversary 1968 - 2018	*66081*		GBU
66785	John Ellis	*66132*		GBU
66786	Cambridge University Railway Club	*66141*		GBU
66787	Three Bridges ASC	*66184*		GBU
66788	LOCOMOTION 15	*66238*		GBU
66789	British Rail 1948-1997	*66250*		GBU
66790	Louise	*T66 403*	Ex Sweden.	GBU
66791	Neil Bennett**, Settle & Carlisle 150	*T66 404*	Ex Sweden.	GHM
66792	Collaboration	*T66 405*	Ex Sweden.	GBU
66796	The Green Progressor	*561-01, 66696*	Ex Germany.	2TG
66797		*513-09*	Ex Germany.	BEB
66798	Justine	*561-03*	Ex Germany.	GBU
66799		*6602*	Ex Germany.	GBU
66846		*66573*		COL
66847	Terry Baker	*66574*		COL
66848		*66575*		COL
66849	Wylam Dilly	*66576*		COL
66850	David Maidment OBE WWW.RAILWAYCHILDREN.ORG.UK	*66577*		COL
66951				FLG

Diesel Loco				
66952				FLG
66953				FLG
66954		*66019, 0066 954-3*	In Poland as 66019, not the same as DBC 66019 - Eq: GB/PL	
66955		*66024, 0066 955-0*	In Poland as 66024, not the same as DBC 66024	
66956		*66025, 0066 956-8*	In Poland as 66025, not the same as DBC 66025	
66957	Stephenson Locomotive Society 1909-2009			FLG

67

EMD Class 67



67005 at The Greatest Gathering

Dan Cardwell

The Class 67 locomotives are a class of Bo-Bo diesel-electric locomotives that were built for the English Welsh & Scottish Railway between 1999 and 2000 by Alstom at Meinfesa in Valencia, Spain with drive components (engine, generator and traction motors) from General Motors' Electro-Motive Division. EMD's designation for this locomotive type is JT42HW-HS

The bodyshell is a monocoque load-bearing Alstom design, the bogies are an "H" frame Alstom design, the engine, traction motors and control electronics are GM-EMD products, and the same as used in the Class 66. Unlike the Class 66, the traction motors are frame

mounted rather than axle hung to reduce unsprung mass and the gear ratio is increased allowing higher speeds. The cab design has a central driving position.

The locomotives are able to provide Electric Train Supply for passenger train heating and air-conditioning and are equipped for both buffers and chain couplers and buckeye couplers, the latter attached by a swing arm mount.

Gauge	1435mm
Length	19.71m
Width	2.71m
Height	3.93m
Introduced	1999
Wheel Arrangement	Bo-Bo
Builder	Alstom Meinfesa, Valencia
Power	2386kW
Weight	88-90t
TE	144kN
Engine	EMD 12N-710G3B-EC
Transmission	EMD D43FM
Max Speed	125mph
Driving Wheel Dia	965mm
Wheelbase	2.8m
Brakes	Electro Pneumatic
Heating	ETH

Number	Name		Livery
67001	Night Mail**	S	ATB
67002	Special Delivery**		DBC
67003		X	ATB
67004	Post Haste**	S	DBC
67005	Kings Messenger, Queen's Messenger**		ROZ
67006	Royal Sovereign		ROZ
67007			DBP
67008			TFW
67009		S	EWZ
67010	Unicorn**		DBC
67011		S	EWZ
67012	A Shropshire Lad**	S	050
67013 [1]	Dyfrbont Pontcysyllte (one side only)		DBC
67014	Thomas Telford		TFW
67015	David J. Lloyd	A	DBC
67016			050

Diesel Loco

67017	Arrow**		TFW
67018	Keith Heller	S	DBC
67019		X	
67020			050
67021			PUL
67022			050
67023	Stella		COL
67024			PUL
67025	Western Star**		TFW
67026	Diamond Jubilee	S	JUB
67027	Charlotte**		GBU
67028		S	DBC
67029	Royal Diamond		AOS
67030		X	

Notes
1: One nameplate stolen.

68

Vossloh Bo-Bo diesel electric locomotives



John J Cordrey

The Class 68 is a type of mainline mixed traffic diesel-electric locomotive manufactured by Stadler Rail Valencia (and previously by Vossloh España) for Direct Rail Services (DRS) in the United Kingdom. The design is derived from the Stadler Eurolight, and Stadler's product name for this variant is the UKLight.

Gauge	1435mm
Builder	Vossloh

Diesel Loco

Introduced	2013-14
Length	20320mm
Height	4260mm
Driving Wheel Dia	1100mm
Wheel Arrangement	Bo-Bo
Max Speed	99mph
Weight	85t
Engine	Caterpillar C175-16
Transmission	Diesel Electric
Power	2800kW
TE	317kN

Number	Name		Note	Livery
68001	Evolution	S		DRV
68002	Intrepid	S		DRV
68003	Astute	S		DRV
68004	Rapid	S		DRV
68005	Defiant	S		DRV
68006	Daring**, Pride of the North	S		PBR
68007	Valiant**, 30 Years of DRS	S		DR3
68008	Avenger	S	Ex-Chiltern MK3 passenger diagrams	DRV
68009	Titan	S	Ex-Chiltern MK3 passenger diagrams	DRV
68010	Oxford Flyer**	S	Ex-Chiltern MK3 passenger diagrams	CRG
68011		S	Ex-Chiltern MK3 passenger diagrams	CRG
68012	Amy Owen*	S	Ex-Chiltern MK3 passenger diagrams	CRG
68013	Peter Wreford-Bush**	S	Ex-Chiltern MK3 passenger diagrams	CRG
68014		S	Ex-Chiltern MK3 passenger diagrams	CRG
68015	Kev Helmer**	S		CRG
68016	Fearless**	S		DRV
68017	Hornet**	S		DRU
68018	Vigilant**	S		DRV
68019	Brutus**	A		CRB
68020	Reliance**	A		CRB
68021	Tireless**	S		GBR2
68022	Resolution**	A		CRB
68023	Achilles**	S		CRB

Diesel Loco

68024	Centaur**	A	CRB
68025	Superb**	S	CRB
68026	Enterprise**	S	CRB
68027	Splendid**	A	CRG
68028	Lord President**	A	CR5
68029	Courageous**	A	CRB
68030	Black Douglas**	A	CRB
68031	Felix**	S	CRB
68032	Destroyer**	A	CRB
68033	The Poppy	S	DRV
68034	Rail Riders 2020	S	DRV

69

Rebuild of Class 56



69001 at Clapham Junction

Neil Thaler

The British Rail Class 69 is a class of diesel locomotives which are converted from Class 56 locomotives. The conversion work is performed by Progress Rail at their workshop in Longport.

The Class 69 was developed to fulfil the needs of the rail freight operator GB Railfreight, which was unable to purchase additional Class 66 diesel locomotives yet sought more capacity in a similar performance band. The conversion of surplus Class 56s, which were available in sufficient quantity and in good enough condition to make the class a good candidate for the project, proved to be a desirable option, being more affordable than new build locomotives while achieving similar performance to the Class 66 post-conversion. Many of the new systems installed are similar, or identical, to those present on the Class 66, including its EMD 710 powerplant and associated control systems; this was a deliberate

choice in order to maximise the performance similarities. Retained elements were refurbished to an as-new condition. Original frame, body and bogies retained, new engines, compressors and electronics fitted.

Introduced	2020
Wheel Arrangement	Co-Co
Engine	EMD 12N-710G3B-T2
Gauge	1435mm
Length	19.355m
Width	2.792m
Height	3.960m
Builder	Progress Rail, Longport
Power	2390kW
Max Speed	80 mph
Driving Wheel Dia	1143mm
Wheelbase	14.58m
Brakes	Air
Heating	None

Number	Name		Note	Livery
69001	Mayflower	*56031*	Rebuilt from 56031 - carries Union Jack and Stars & Stripes logos	GBU
69002	Bob Tiller CM&EE	*56311, 56057*	Rebuilt from 56311	BLL
69003	The Railway Observer	*56018*	Rebuilt from 56018	GBU
69004	RIDC Meldon	*56069*	Rebuilt from 56069 GBRF Branding	RTC
69005	Eastleigh	*56007*	Rebuilt from 56007 GBRF Branding BR late crest	GRN
69006	John e Cronin, Pathfinder Railtours**	*56128, 56313*	Rebuilt from 56128	GBU
69007	Richard Trevithick	*56037* A	Rebuilt from 56037, carries number 56037 in places	BRB
69008	Richard Howe	*56038*	Rebuilt from 56038	GBU
69009	WESTERN CONSORT	*56060*	Rebuilt from 56060	MAR
69010	North Norfolk Railway 1975-2025 The Poppy Line	*56065*	Rebuilt from 56065	GBU
69011		*56032*	Rebuilt from 56032	GBU
69012	Falcon 2	*56077*	Rebuilt from 56077	GRN
69013		*56312, 56003*	Rebuilt from 56312	AMC

Diesel Loco

69014	EMD Longport	*56104*	Rebuilt from 56104	GBY
69015		*56009*	Rebuilt from 56009	RFG
69016	British Transport Police	*56097, 61016*	Rebuilt from 56097	BTP

70

GE designed 'PowerHaul' freight loco



John J Cordrey

The British Rail Class 70 is a Co-Co mainline freight GE PowerHaul locomotive series manufactured by General Electric in Erie, Pennsylvania, United States. They are operated in the United Kingdom by Freightliner and Colas Rail. These locomotives replaced the Class 59 as having the highest tractive effort of any Co-Co Diesel locomotive in use in the United Kingdom when they were introduced.

Gauge	1435mm
Builder	General Electric
Max Speed	75mph
Introduced	2008-14
Length	21710mm
Width	2642mm
Height	3917mm
Weight	127t
Engine	GE PowerHaul P616
Transmission	Diesel Electric
Power	2750kW
TE	534kN
Driving Wheel Dia	1067mm
Wheel Arrangement	Co-Co

Number			Note	Livery
70001 [1]				FLP
70002				FLP
70003				HHR
70004 [2]				FLP
70005				FLP
70006				FLP
70007				HHR
70008			Freightliner 60th Anniversary livery	FLP
70009				FLP
70010				FLP
70011				FLP
70012		E	Dropped while being unloaded at Newport docks 05/01/2011. Returned to USA 28/06/2011 - Now used as GE test bed loco.	FLP
70013		S		FLP
70014				FLP
70015				FLP
70016				FLP
70017				FLP
70018		S		FLP
70019		S		FLP
70020			Freightliner 60th anniversary branding	FLO
70801	*70099, DE 37001, 37001*		Ex-demonstrator for Turkish Railways. Imported in 2012 as no. 70099 and renumbered 70801 in 2013.	COL
70802				COL
70803				COL
70804				COL
70805				COL
70806				COL
70807				COL
70808				COL
70809				COL
70810				COL
70811				COL
70812				COL
70813				COL

70814	on loan to GBRf	COL
70815		COL
70816		COL
70817		COL

Notes
1: Name: Powerhaul
2: Name: The Coal Industry Society

Electric Loco

73

Bo-Bo (ED/DC)



The Greatest Gathering

Dan Cardwell

The British Rail Class 73 is a British electro-diesel locomotive. The type is unusual in that it can operate from the Southern Region's 650/750 V DC third-rail or an on-board diesel engine to allow it to operate on non-electrified routes. This makes it very versatile, although the diesel engine produces less power than is available from the third-rail supply so the locomotives are rarely operated outside of the former Southern Region of British Rail.

Following the withdrawal and scrapping of the more powerful Class 74 electro-diesels in 1977, the Class 73 was unique on the British railway network until the introduction of the Class 88 electro-diesels in 2017. Ten locomotives have been scrapped. Since privatisation, the Class 73 fleet has been reduced in size following the large-scale withdrawals of the EWS and Gatwick Express fleets. However, many smaller operators have acquired locomotives, so their continued use is assured for the foreseeable future.

System	750DC Third Rail
Length	16.36m
Introduced	1962
Wheel Arrangement	Bo-Bo
Builder	BR Eastleigh Works / EE Vulcan Foundry

Electric Loco

Power	1420HP
Weight	78.03t
TE	186kN
Engine	English Electric 4SRKT Mk II 2 × Cummins QSK19 (73951-2) MTU 8V 4000 R43L (73961-971)
Transmission	73/0: EE 542A 73/1: EE 546/1B
Max Speed	73/0: 80 mph 73/1: 90 mph
Driving Wheel Dia	1.016m
Brakes	Vacuum, Air and Electropneumatic
Heating	ETH

Number	Name			Note	Base	Livery
73001		*73901, E6001*	P		Ecclesbourne Valley Railway	BRB
73002		*E6002*	P		Arlington Fleet Services - Eastleigh Works	BLL
73101	The Royal Alex'	*73100, E6007*	S			PUL
73107	Redhill 1844-1994** Tracy	*E6013*				GBU
73109	Battle of Britain 50th Anniv.**, Battle of Britain 80th Aniversary	*E6015*				GBU
73110		*E6016*	P		Arlington Fleet Services - Eastleigh Works	BLU
73118	Mary Rose**, The Romney, Hythe & Dymchurch Railway	*E6024*	S		Barry Tourist Railway	
73119	Borough of Eastleigh**, Paul Taylor	*E6025*				CIV
73127	Woking Homes 1885-1985**	*73203, E6034*	X			
73128	O.V.S. BULLIED C.B.E., **kent & East Sussex Railway 50 Years of Heritage 1974-2024	*E6035*				NSE
73130	City Of Portsmouth	*E6037*	P	Scharfenberg Coupler Fitted	East Kent Railway	EPS
73131		*E6038*	X			
73134	Woking Homes 1885-1995	*E6041*	X	Spares donor.		

73136	Perseverance** Mhairi**	*E6043*		At PB for shunting purposes.		GBU
73138		*E6045*	S		UKRL Loughborough	NRL
73139		*E6046*	S			
73141	Charlotte**, SPA VALLEY RAILWAY 25 YEAR ANNIVERSARY	*E6048*				ICE
73201	Broadlands	*73142, E6049*				BRB
73202	Gatwick Express	*73137, E6044*		Used by Southern for crew training.		SOU
73210	Selhurst	*73116, E6022*	P		Ecclesbourne Valley Railway	ICS
73212	Fiona**, Stephen Eaves	*73102, E6008*				GBU
73213	Rhodalyn	*73112, E6018*				GBU
73235		*73135, E6042*			South Western Railway, Bournemouth	BLU
73951	Malcolm Brinded**	*73104, E6010*	S		HNRC Worksop	NRL
73952	Janis Kong**	*73211, 73113, E6019*	S		HNRC Worksop	NRL
73961	Alison	*73901, 73209, 73120, E6026*				GBU
73962	Janice** Dick Mabbutt	*73902, 73204, 73125, E6032*				GBU
73963	Janice	*73903, 73206, 73123, E6030*				GBU
73964	Jeanette	*73205, 73124, E6031*				GBU
73965	Kirsten**, Des O'Brien	*73208, 73121, E6028*				GBU
73966	Mid-hants WATERCRESS LINE**	*73005, 73905, E6005*		Dellner coupler fitted.		CAS
73967		*73006, 73906, E6006*		Dellner coupler fitted.		CAS
73968	University of Surrey**	*73103, E6009*		Dellner coupler fitted.		CAS
73969	Quadrant**	*73105, E6011*		Dellner coupler fitted.		CAS
73970	University of Surrey**, W.S.Sellar	*73117, E6023*		Dellner coupler fitted.		CAS

Electric Loco

73971	County of East Sussex**	*73207, 73122, E6029*	Dellner coupler fitted.		CAS
E6036	City Of Winchester	*73129*	P	Cambrian Heritage Railway, Oswestry	BLU
E6940	Bluebell Railway	*73133*	P	Bluebell Railway	SBB

86

Bo-Bo (AC)



The Greatest Gathering

Dan Cardwell

The British Rail Class 86 is the standard electric locomotive built during the 1960s. One hundred of these locomotives were built from 1965 to 1966, either by English Electric at Vulcan Foundry, Newton-le-Willows or British Rail (BR) at their Doncaster works. The class was built to haul trains on the then newly electrified West Coast Main Line (WCML) from London Euston to Birmingham, Crewe, Liverpool, Manchester and later Glasgow and Preston.

Introduction of the class enabled the replacement of many steam locomotives, which were finally withdrawn by British Rail in 1968. Under the earlier BR classification system, the type was given the designation AL6 (meaning the sixth design of AC locomotive) and locomotives were numbered E3101-E3200. In 1968, this was changed to Class 86 when British Rail introduced the TOPS classification system.

The class was built to haul passenger and freight trains alike on the West Coast Main Line, however some members of the class also saw use on the Great Eastern Main Line (GEML) between London Liverpool Street and Norwich, after that line was also electrified in the

mid-1980s. The type has had a generally long and successful career, with some members of the class seeing main line service lives in the UK of up to 55 years. Most regular passenger duties of the class came to end on both the WCML and the GEML in the early-to-mid-2000s, after a career of up to 40 years. Some members of the class remained in use for charter work and for freight work with Freightliner until 2021. A number of the class were exported to Bulgaria and Hungary and remain in use. As of 2022 three Class 86s remain preserved in usable condition in the UK, all in private ownership.

System	25kV 50Hz AC
Length	16.66m
Width	2.648m
Height	3.766m
Introduced	1965
Withdrawn	1995
Wheel Arrangement	Bo-Bo
Builder	BREL Doncaster / EE Vulcan Foundry
Power	5000 HP
Weight	82t
TE	267kN
Max Speed	110 mph
Driving Wheel Dia	1.143m
Wheelbase	13.26m
Brakes	Westinghouse dual vacuum & air
Heating	ETH

Number	Name			Note	Livery
86101	Sir William A Stanier F R S**	*86201, E3191*	P		ICS
86102	Robert A Riddles**	*86202, E3150*	X		
86103	André Chapelon**	*86203, E3143*	X		
86204	City of Carlisle**	*E3173*	X		
86206	City of Stoke on Trent**	*E3184*	X		
86207	City of Lichfield**	*E3179*	X		
86208	City of Chester**	*E3141*	X		
86209	City of Coventry**	*E3125*	X		
86212	Preston Guild 1328-1992**	*E3151*	X		
86213	Lancashire Witch	*85 003-9, E3193*	A		
86214	Sans Pareil**	*E3106*	X		
86215	The Round Tabler**	*450 005-8, E3165*	E	Exported to Hungary.	FLR
86216	Meteor**	*E3166*	X		

86217	City University**	*450 006-6, 86504, E3177*	E	Exported to Hungary.	FLR
86218	NHS 50**	*450 004-1, E3175*	E	Exported to Hungary.	FLR
86219	Phoenix**	*E3196*	X		
86220	The Round Tabler**	*E3156*	X		
86221	BBC Look East**	*E3132*	X		
86222	Clothes Show Live**, Fury**	*86502, E3131*	X		
86223	Norwich Union**	*E3158*	X		
86224	Caledoniian**	*E3134*	X		
86225	Hardwicke**	*E3164*	X		
86226	CHARLES RENNIE MACKINTOSH**, Royal Mail Midlands**	*E3162*	X		
86227	Golden Jubilee**, Sir Henry Johnson**	*E3117*	X		
86228	Vulcan Heritage**	*450 007-4, E3167*	E	Exported to Hungary.	FLR
86229	Lions Clubs International**	*E3119*	X		
86230	The Duke of Wellington**	*E3168*	X		
86231	Lady of the Lake, [Starlight Express]	*85 005-4, E3126*	A		
86232	Norfolk & Norwich Festival**	*450 003-3, E3113*	E	Exported to Hungary.	
86233	ALSTOM Heritage**	*86506, E3172*	E	Exported to Bulgaria for spares.	
86234	Suffolk - Relax, Refresh, Return	*85 006-2, E3155*			
86235	Novelty, [Crown Point]	*85 004-7, E3194*	A		
86236	Josiah Wedgwood MASTER POTTER 1730-1795**	*E3133*	X		
86237	University of East Anglia**, Sir Charles Hallé**	*E3197*	X		
86238	European Community**	*E3116*	X		
86240	Bishop Eric Treacy**	*E3127*	X		
86241	Glenfiddich**	*86508, E3121*	X		
86242	Colchester Castle**	*0450 008-2, E3138*	E	Exported to Hungary.	FLR
86243	The Boys' Brigade	*E3181*	X		
86244	The Royal British Legion**	*E3178*	X		
86245	Caledonian**, Dudley Castle**	*E3182*	X		

86246	Royal Anglian Regiment**	*86505, E3149*	X		
86247	Abraham Darby**	*E3192*	X		
86248	Sir Clwyd - County of Clwyd**	*0450 001-7, E3107*	E	Exported to Hungary.	FLR
86249	County of Merseyside**	*E3161*	X		
86250	Sheppard 100**	*0450 002-5, E3189*	E	Exported to Hungary.	FLR
86251	The Birmingham Post**	*E3183*	X		VTR
86252	Sheppard 100**, The Liverpool Daily Post**	*E3101*	X		
86254	William Webb Ellis**	*86047, E3142*	X		
86255	Penrith Beacon**	*86042, E3154*	X		
86256	Pebble Mill**	*86040, E3135*	X		
86257	Snowdon**	*86043, E3139*	X		
86258	Talyllyn 50 Years of Railway Preservation 1951-2001**, Talyllyn The First Preserved Railway**	*86501, 86046, E3140*	X	This is the first of 2 locomotives to carry no. 86501 (1988-1989).	
86259	Les Ross, Peter Pan	*86045, E3137*	P		BLU
86261	THE RAIL CHARTER PARTNERSHIP**, Driver John Axon G.C.**	*86041, E3118*	X		
86401	Mons Meg, Northampton Town**	*86001, E3199*	P		CAS
86416	Wigan Pier**	*86316, 86016, E3109*	X		
86417	The Kingsman**	*86317, 86017, E3146*	X		
86419	Post Haste 150 Years of Travelling Post Offices**	*86319, 86019, E3120*	X		
86424		*0450 009-2, 86324, 86024, E3111*	E	Exported to Hungary.	NRL
86425	Saint Mungo**	*86325, 86025, E3186*	X		
86426	Pride of the Nation**	*86326, 86026, E3195*	X		
86430	Saint Edmund**, Scottish National Orchestra**	*86030, E3105*	X		
86602		*86402, 86002, E3170*	X		
86603		*86403, 86003, E3115*	X		
86604		*86404, 86004, E3103*	E		FLG

86605	Intercontainer**	*86405, 86005, E3185*	E		FLG
86606		*86406, 86006, E3112*	X		
86607	The Institution of Electrical Engineers**	*86407, 86007, E3176*	E		FLG
86608	Crewe Basford Hall**	*86501, 86408, 86008, E3180*	E	This is the second of 2 locomotives to carry no. 86501 (2000-2016).	FLG
86609		*86409, 86009, E3102*	E		FLG
86610		*86410, 86010, E3104*	E		FLG
86611	Airey Neave**	*86411, 86311, 86011, E3171*	X		
86612	Elizabeth Garrett Anderson**	*86412, 86312, 86012, E3122*	E		FLG
86613	County of Lancashire**	*86413, 86313, 86013, E3128*	E		FLG
86614	Frank Hornby**	*86414, 86314, 86014, E3145*	E		FLG
86615	Rotary International**	*86415, 86315, 86015, E3123*	X		
86618		*86418, 86318, 86018, E3163*	X		
86620	Philip G Walton**	*86420, 86320, 86020, E3114*	X		
86621	London School of Economics**	*86421, 86321, 86021, E3157*	X		
86622		*86422, 86322, 86022, E3174*	E		FLP
86623		*86023, 86323, 86423, E3152*	X		
86627	The Industrial Society**	*86427, 86327, 86027, E3110*	E		FLG
86628	Aldaniti**	*86428, 86328, 86028, E3159*	E		FLG
86632	Brookside**	*86432, 86032, E3148*	E		FLG
86633	Wulfruna**	*86433, 86033, E3198*	X		
86635		*86435, 86035, E3124*	X		
86636		*86436, 86036, E3160*	X		

Electric Loco

86637		*86437, 86037, E3130*	E	FLP
86638		*86438, 86038, E3108*	E	FLG
86639		*86439, 86039, E3153*	E	FLG
86701	Orion	*85 001-3, 86205, 86503, E3129*	A	
86702	Cassiopeia	*85 002-1, 86260, 86048, E3144*	A	
86901	Chief Engineer**	*86253, 86044, E3136*	X	
86902	Rail Vehicle Engineering, CIT 75th Anniversary**, City of Edinburgh**	*86210, E3191*	X	

87

Class 87



John J Cordrey

The British Rail Class 87 is a type of electric locomotive designed and built by British Rail Engineering Limited (BREL) between 1973 and 1975. A total of thirty-six locomotives were constructed, to work passenger and freight services over the West Coast Main Line (WCML).

The type was developed in response to the need to add extra capacity to the electric traction fleet operated by British Rail (BR), in addition to the desire to introduce a higher performance electric locomotive than the existing Class 86, numerous aspects of which

being incorporated into its design. The Class 87 fleet was operated as the flagships of British Rail's electric locomotive fleet until the late 1980s, at which point the Class 90, an improved derivative of the Class 87, started to come on stream.

As a consequence of the privatisation of British Rail during the mid 1990s, all but one of the Class 87s were transferred to Virgin Trains. Under this operator, the type continued their passenger duties until the advent of the new Class 390 Pendolinos, after which they were gradually transferred to other operators or withdrawn between 2002 and 2007. For a time, the type was a staple of electrified freight operations, before it was displaced by the Class 90 in this capacity as well. By the end of the 2010s, there was only one Class 87 that remained in an operational condition in Britain, 87002, which had been initially preserved by the AC Locomotive Group and is presently owned by Locomotive Services Limited. It was previously in use with Serco Caledonian Sleeper and is intended for use on charter services. A large proportion of the fleet has been exported to Bulgaria, where they have entered regular use once again.

Gauge	1435mm
Builder	BREL Crewe
Max Speed	110mph
System	25kV AC overhead
Introduced	1973-75
Length	17830mm
Weight	84.6t
Power	3730kW
TE	258kN
Driving Wheel Dia	1149mm
Wheel Arrangement	Bo-Bo
Width	26480mm
Height	37660mm
Withdrawn	2007
Wheelbase	13262mm
Brakes	Air
Heating	ETH

Number	Name			Note
87001 [1] [2]	STEPHENSON / Royal Scot		P	
87002 [3]	Royal Sovereign			
87003	Patriot**	*87 003-0*	E	Exported to Bulgaria.
87004	Britannia**	*87 004-8*	E	Exported to Bulgaria.
87005	City of London**		X	
87006	George Reynolds**	*87 006-3*	E	Exported to Bulgaria.
87007	City of Manchester**	*87 007-1*	E	Exported to Bulgaria.
87008	City of Liverpool**	*87 008-9*	E	Exported to Bulgaria.

87009	City of Birmingham**	*87 009-4*	E	Exported to Bulgaria.
87010	Driver Tommy Farr**	*87 010-5*	E	Exported to Bulgaria.
87011	City of Wolverhampton**, The Black Prince**		X	
87012	The Olympian**	*87 012-1*	E	Exported to Bulgaria.
87013	John O'Gaunt**	*87 013-9*	E	Exported to Bulgaria.
87014	Knight of the Thistle**	*87 014-7*	E	Exported to Bulgaria.
87015	Howard of Effingham**		X	
87016	Willesden Intercity Depot**, Sir Francis Drake**		X	
87017	Iron Duke	*87 017-7*	E	Exported to Bulgaria.
87018	Lord Nelson**		X	
87019	Association of Community Rail Partnerships	*87 019-6*	E	Exported to Bulgaria.
87020	North Briton**	*87 020-4*	E	Exported to Bulgaria.
87021	Robert the Bruce**		X	
87022	Lew Adams The Black Prince**	*87 022-0*	E	Exported to Bulgaria.
87023	Polmadie**	*87 023-5*	E	Exported to Bulgaria.
87024	Lord of the Isles**		X	
87025	County of Cheshire**	*87 025-0*	E	Exported to Bulgaria.
87026	Sir Richard Arkwright**	*87 026-1*	E	Exported to Bulgaria.
87027	Wolf of Badenoch**		X	
87028	Lord President**	*87 028-7*	E	Exported to Bulgaria.
87029	Earl Marischal**	*87 029-5*	E	Exported to Bulgaria.
87030	Black Douglas**		X	
87031	Keith Harper**, Hal o' the Wynd**		X	
87032	Richard Fearn**, Kenilworth**		X	
87033	Thane of Fife**	*87 033-7*	E	Exported to Bulgaria.
87034	William Shakespeare**	*87 034-5*	E	Exported to Bulgaria.
87035 [4] [5]	Robert Burns		P	
87101	STEPHENSON**	*87036*	X	Number 87036 allocated but never carried.

Notes
1: National Railway Museum
2: Livery: BRB
3: Livery: ICS
4: Crewe Heritage Centre
5: Livery: VTR

88

Vossloh Bo-Bo electro-diesel locomotives



Philip A Hayward

The British Rail Class 88 is a type of mainline mixed traffic electro-diesel locomotive manufactured by Vossloh España/Stadler Rail Valencia for Direct Rail Services in the United Kingdom. The locomotive is part of the Stadler Euro Dual family. It is the first dual-mode locomotive in the UK to use the 25 kV AC electrification.

Amid the fulfilment of DRS' order for the Class 68, Vossloh's team proposed the development of a dual-mode locomotive that could be alternatively powered by an onboard diesel engine or via electricity supplied from overhead lines (OHLE). Having been impressed by the concept, DRS opted to place an order for ten Class 88s during September 2013. Having been developed alongside the Class 68, considerable similarities are shared between the two locomotives, amounting to roughly 70 per cent of all components being shared.

Builder	Vossloh/Stadler
Introduced	2015-16
Length	20.50m
Width	2.69m
Wheel Arrangement	Bo-Bo
Power	708kW (diesel) 4000kW (electric)
Weight	85tonnes
TE	371kN
Engine	CAT C27 12cyl
Transmission	Electric
Max Speed	100mph
Driving Wheel Dia	1100mm

Electric Loco

System	25 kV AC Catenary
Brakes	wheel disc, electropneumatic dynamic
Heating	ETH

Number	Name	Livery
88001	Revolution	
88002	Prometheus	
88003	Genesis	
88004	Pandora	
88005	Minerva	
88006	Juno	
88007	Electra	
88008	Ariadne	
88009	Diana	
88010	Tesco - 20 years of rail freight, Aurora**	048

89

Brush designed prototype express passenger loco



John J Cordrey

The British Rail Class 89 is a prototype electric locomotive. Only one was built, in 1986, by British Rail Engineering Limited's Crewe Works. It was used on test-trains on both the West Coast and East Coast Main Lines. The locomotive was fitted with advanced power control systems and developed more than 6,000 bhp (4,500 kW). After being withdrawn in 1992, it was returned to service in 1996, before being again withdrawn in 2000.

The Class 89 locomotive was designed by Brush Traction, Loughborough to meet a specification issued by British Rail. BR subsequently changed the requirements of this specification, but not before Brush had committed to building the prototype locomotive.

The locomotive had six DC traction motors. The main armature current for all the motors was fed from a common thyristor drive, with each motor having an independent field current controller. The field current controllers comprised a two quadrant chopper inside a thyristor bridge. The bipolar transistor based choppers provided a fast fine control of motor torque for electric braking and slip control, while the thyristor bridge was used to invert the field current polarity.

Gauge	1435mm
Builder	BREL Crewe
Max Speed	125mph
System	25kV AC overhead
Introduced	1986
Withdrawn	2006
Length	19800mm
Weight	103t
Power	4286 kW
Wheel Arrangement	Co-Co
Width	27310mm
Height	38100mm
TE	205kN
Driving Wheel Dia	1.15m
Wheelbase	15.1m

Number	Name			Note	Base	Livery
89001	Avocet**	*89501*	P	for restoration by HNRL	Locomotive Services, Crewe	ICS

90

BR Class 90



The British Rail Class 90 electric locomotives were built for mixed-traffic duties, operating from 25 kV AC overhead lines and produce 5,000 bhp. They weigh 84.5 tonnes and can typically achieve a top speed of 110 mph.

The Class 90 is a modernised derivative of the preceding Class 87 locomotive, having been originally designated as the Class 87/2. During the 1980s, British Rail Engineering Limited had submitted an offer to build 25 examples to replace various aging electric locomotives, including the Class 81, Class 82, Class 83, Class 84 and Class 85. It was selected over numerous rival proposals, including the InterCity 225 and the Class 89; the type was manufactured by BREL at Crewe Works between 1987 and 1990.

The Class 90 was introduced to service during the closing years of British Rail, being used for both passenger services and freight trains alike. Following the privatisation of British Rail, the type has served with various operators, including Greater Anglia, Virgin Trains and GNER; it was, however, displaced largely from regular passenger services during the 2000s and 2010s. Presently, Class 90 locomotives are usually employed on heavy freight trains and occasional charter services.

System	25 kV 50 Hz AC Overhead
Length	18.8m
Width	2.74m
Height	3.969m
Introduced	1987-90
Wheel Arrangement	Bo-Bo
Builder	BREL Crewe
Power	5860kW

Electric Loco

Weight	84.5 tonnes
TE	258kN
Max Speed	110 mph
Driving Wheel Dia	1.15m
Wheelbase	13.26m

Number	Name			Livery
90001 [1]	Crown Point**, Royal Scot			ICS
90002 [2]	Eastern Daily Press 1870-2010 SERVING NORFOLK FOR 140 YEARS**, Wolf of Badenoch			ICS
90003	Raedwald of East Anglia**			GEN
90004	City of Chelmsford**			GEN
90005	Vice-Admiral Lord Nelson**			GEN
90006	Modern Railways Magazine / Roger Ford			GEN
90007	507 (Railway) Specialist Team Royal Engineers, Sir John Betjeman**			GEN
90008	The East Anglian**			GEN
90009	Diamond Jubilee**			GEN
90010	275 Railway Squadron (Volunteers)		A	GEN
90011	Let's Go - East of England**, East Anglian Daily Times Suffolk and Proud**			GEN
90012	Royal Anglian Regiment**			GEN
90013	The Evening Star**			GEN
90014	Norfolk and Norwich Festival**, Over the Rainbow			GEN
90015	Colchester Castle**			GEN
90016				GEN
90017	Rail express systems Quality Assured**		X	EWS
90018	The Pride of Bellshill**, The Greatest Gathering			060
90019	Penny Black**Multimodal		S	DBC
90020	Collingwood**		S	GTO
90021	Donald Malcolm	*90221*	S	MAL2
90022 [3]	Freightconnection	*90222*	X	RFE
90023		*90223*	X	
90024		*90224*	S	MAL
90025		*90225, 90125*	X	
90026 [4]	Crewe International Electric Maintenance Depot**	*90126*		BLK

Electric Loco

90027 [5]	Allerton T&RS Depot Quality Approved	*90227, 90127*	X	RFD
90028	Hertfordshire Rail Tours**, Sir William McAlpine	*90128*	S	DBC
90029	The Institution of Civil	*90129*	S	GTO
90030	Crewe Locomotive Works**	*90130*	X	
90031	The Railway Children	*90131*	X	
90032	Cerestar**	*90132*	X	
90033		*90233, 90133*	X	
90034 [6]		*90134*	S	DRU
90035	Crewe Basford Hall**	*90135*	S	DBC
90036	Driver Jack Mills**	*90136*	S	DBC
90037	Ford Spirit of Dagenham**, Christine	*90137*	S	DBC
90038		*90238, 90138*	X	
90039	The Chartered Institute of Logistics and Transport	*90239, 90139*	A	AOBE
90040	The Railway Mission	*90140*	A	FLB
90041	Pete Waterman OBE	*90141*		GEN
90042		*90142*		FLP
90043	Freightliner Coatbridge**	*90143*		FLP
90044		*90144*		GEN
90045		*90145*		FLP
90046		*90146*	S	FLG
90047		*90147*		GEN
90048		*90148*		GEN
90049		*90149*		FLP
90150 [7] [8]		*90050*	D	FLF

Notes

1: Locomotive Services, Crewe
2: Locomotive Services, Crewe
3: scrapped
4: Locomotive Services, Crewe
5: scrapped
6: DB Branded
7: Cosmetic restoration
8: Crewe Heritage Centre

91

Class 91 Electra



Phil Hayward

The British Rail Class 91 is a high-speed electric locomotive, which produces power of 4,830 kW (6,480 hp); it was ordered as a component of the East Coast Main Line modernisation and electrification programme of the late 1980s.

The Class 91s were given the auxiliary name of InterCity 225 to indicate their envisaged top speed of 225 km/h, they were also referred to as Electras by British Rail during their development and throughout the electrification of the East Coast Main Line.

The other end of the InterCity 225 train set is formed of a Mark 4 Driving Van Trailer, built with a similar body shell to the Class 91 locomotives but with only one driving cab. The locomotive body shells are of all-steel construction. Unusually, the motors are body mounted and drive bogie-mounted gearboxes via cardan shafts; this reduces the unsprung mass and hence track wear at high speeds. The locomotive also features an underslung transformer; therefore, the body is relatively empty compared to contemporary electric locomotives. Much of the engineering specification for the locomotive was derived from the research and operational experience of the APT-P.

31 were built in total. Some locos are still in use; however, several have already been scrapped, many more have been placed in store. Upon retirement, 91110, 91111, and 91131 will be preserved as part of the National Collection, having all been nominated by the Railway Heritage Committee. In June 2021, the '225 Group' was launched; a preservation initiative with the intention of preserving a further Class 91 and an Intercity 225 set. In September 2022, Crewe Heritage Centre received 91120 on long-term loan from Europheonix.

Electric Loco

Gauge	1435mm
Builder	BREL Crewe
Max Speed	140mph
System	25kV AC overhead
Introduced	1988-91
Length	19400mm
Weight	80.2t
Power	4830kW
TE	190kN
Wheel Arrangement	Bo-Bo
Width	2740mm
Height	3757mm

Number	Name			Note	Livery
91101	FLYING SCOTSMAN	*91001*		Flying Scotsman Livery	LCS
91102	City of York**	*91002*	X		
91103	County of Lincolnshire**	*91003*	X		
91104	Grantham**	*91004*	X		
91106	Swallow InterCity 225 since 1989 , East Lothian**	*91006*			LCS
91107	SKYFALL 007	*91007*			LCS
91108	City of Leeds**, Thomas Cook**	*91008*	X		
91109	Sir Bobby Robson	*91009*			LCS
91110	BATTLE OF BRITAIN MEMORIAL FLIGHT SPITFIRE HURRICANE LANCASTER DAKOTA	*91010*		Holds the national speed record for electric locomotives of 162 mph, attained at Stoke Bank near Peterborough on 17/09/1989.	ADV
91111	For the Fallen	*91011*			ADV
91112	County of Cambridgeshire**	*91012*	X		
91113	County of North Yorkshire**	*91013*	X		
91114	Durham Cathedral	*91014*			LCS
91115	Blaydon Races	*91015*	X		
91116	Strathclyde**	*91016*	X		
91117 [(1)]	Project Electra, WEST RIDING LIMITED**	*91017*	S		EPX

91118	The Fusiliers	*91018*	X		LNER
91119	Bounds Green INTERCITY Depot 1977-2017	*91019*			ICS
91120 [2]	Royal Armouries**	*91020*	D		ICS
91121	Archbishop Thomas Cranmer**	*91021*	X		
91122	Tam the Gun**	*91022*	X	Tam the Gun* Trainbow vinyls	
91124	Reverend W Awdry**	*91024*			LCS
91125	Berwick-upon-Tweed**	*91025*	X		
91126	Darlington Hippodrome**	*91026*	X		
91127	Neville Hill, Edinburgh Castle**	*91027*		LNER Branding	LCS
91128	INTERCITY 50	*91028*	X		
91129	Queen Elizabeth II**	*91029*	X		
91130	Lord Mayor of Newcastle	*91030*			LCS
91131 [3]	County of Northumberland**	*91031*	P		LNER
91132	City of Durham**	*91023*	X		
91150	National Railway Museum 50 Years 1975-2025, County Durham**	*91005, 91000, 91105*			052

Notes
1: Barrow Hill
2: Crewe Heritage Centre
3: Bo'ness & Kinneil Railway

92

Class 92



The British Rail Class 92 is a dual-voltage electric locomotive which can run on 25 kV AC from overhead wires or 750 V DC from a third rail. It was designed specifically to operate services through the Channel Tunnel between Britain and France. Eurotunnel indicates the Class 92 locomotive as the reference for other locomotives which railway undertakings might want to get certified for usage in the Channel tunnel.

System	25kV AC Overhead / 750V DC 3rd Rail
Wheel Arrangement	Co-Co
Gauge	1435mm
Builder	Brush Traction
Max Speed	87mph (140km/h)
Introduced	1993-96
Length	21340mm
Width	2640mm
Height	3950mm
Weight	124t
Power	5.04MW (AC) 4MW (DC)
TE	360kN

Number	Name		Note	Base	Livery
92001	Victor Hugo**, Mircia Eliade	*472 002-1*	E		
92002	H G Wells**, Lucian Blaga	*472 003-9*	E		
92003	Beethoven	*472 007-0*	E		

92004	Jane Austen		S			RFE
92005	Mozart**, Emile Cioran	*472 005-4*	E			
92006	Louis Armand**		O	Dellner coupler fitted	UKRL Loughborough	CAS
92007	Schubert		S			RFE
92008	Jules Verne		S			CON
92009	Marco Polo		S			DBS
92010	Molière		O	Dellner coupler fitted	UKRL Loughborough	CAS
92011	Handel**					DBC
92012	Thomas Hardy**, Mihai Eminescu	*472 001-3*	A			
92013	Puccini		S			RFE
92014	Emile Zola**			Dellner coupler fitted		CAS
92015	D H Lawrence**					DBS
92016	Brahms**		S			DBS
92017	Bart the Engine		S			STO
92018	Stendhal**		A	Dellner coupler fitted		CAS
92019	Wagner		S			RFE
92020	Milton**, BILLY STIRLING			Dellner coupler fitted		GBU
92021	Purcell		S	Spares Donor	UKRL Loughborough	EPS
92022	Charles Dickens**		S	spares donor		
92023	Polmadie 150 1875-2025, Ravel**			Dellner coupler fitted		CAS
92024	J S Bach**, Marin Preda	*472 004-7*	E			
92025	Oscar Wilde	*88 025-1*	A			
92026	Britten	*472 008-8*	E			
92027	George Eliot	*88 027-7*	A			
92028	Saint-Saëns			Dellner coupler fitted		GBU
92029	Dante					DBC
92030	Ashford	*88 030-1*	A			
92031	The Institute of Logistics & Transport**		S			DBS
92032	IMechE Railway Division			Dellner coupler fitted		GBU
92033	Berlioz**, Railway Heritage Trust			Dellner coupler fitted		CAS

92034	Kipling	*88 034-3*	A			
92035	Mendelssohn		S			RFE
92036	Bertolt Brecht		S			RFE
92037	Sullivan		S			RFE
92038	Voltaire**			Dellner coupler fitted		CAS
92039	Johann Strauss**, Eugen Ionescu	*472 006-2*	E			
92040	Goethe		S	Spares donor	UKRL Loughborough	EPS
92041	Vaughan Williams		S			RFE
92042	Honegger**					DBS
92043	Debussy**, Andy Withers 50 YEARS SERVICE			Dellner coupler fitted		GBU
92044	Couperin					EPS
92045	Chaucer		S		UKRL Loughborough	EPS
92046	Sweelinck		S		UKRL Loughborough	EPS

Multi-Mode Loco

93

Tri-Mode Electric Locos



Phil Hayward

The British Rail Class 93 is a tri-mode locomotive built by Stadler Rail in Valencia. It is an evolution of the Class 88 bi-mode locomotive, which was built by Stadler for Direct Rail Services. Three different power sources are used to power the locomotive – 4,000kW 25 kV AC overhead electric power, or a 900kW diesel engine supplemented by a 400kW battery – allowing the locomotive to be used on both electrified and non-electrified lines.

System	25kV
Introduced	2023
Wheel Arrangement	Bo-Bo
Builder	Stadler
Weight	86 tonnes
TE	290kN
Engine	Caterpillar C32
Max Speed	110 mph
Length	67.6ft
Power	4600 kW (electric) 900 kW (diesel) 400 kW (battery boost)
Battery Capacity	80kWh

Multi-Mode Loco

Battery Range	10 minutes boost
Brakes	Regenerative and Friction

Number	Depot	Livery
93001 (1)	CG	
93002	CG	
93003	CG	
93004	CG	GoExpress branding
93005	CG	
93006	CG	GoExpress branding
93007	CG	
93008	CG	
93009	CG	
93010	CG	

Notes
1: Name: Armed Forces Covenant

99

Stadler EURODUAL Locomotives.



99002 Avonmouth 11.06.25

Phil Hayward

The British Rail Class 99 is a class of dual-mode electro-diesel Co-Co locomotives that will haul freight trains on both electrified and non-electrified lines. It is based on the Stadler Euro Dual platform. Able to reach speeds of up to 75 mph, the powerful machines can run

on 25 kV AC electrified lines with a power of 6,000 kW at wheel. In addition, they feature a high-power low-emissions Stage-V engine allowing operations on non-electrified lines.

The locomotives are expected to enter service in 2025 and will most likely be first used for intermodal work on the West Coast and East Coast mainlines. They will be maintained by Stadler at a new facility in Leicester

Max Speed	75 mph
System	25 kV 50 Hz AC Overhead
Introduced	2025
Wheel Arrangement	Co-Co
Builder	Stadler
Power	6170 kW
TE	500 kN
Engine	Cummins QSK50 1790 kW

Number		Base	Depot
99001	A	UKRL Leicester	LR
99002	A	UKRL Leicester	LR
99003	A	UKRL Leicester	LR
99004	A	UKRL Leicester	LR
99005	A	UKRL Leicester	LR
99006	A	UKRL Leicester	LR
99007	A	UKRL Leicester	LR
99008	A	UKRL Leicester	LR
99009	A	UKRL Leicester	LR
99010	A	UKRL Leicester	LR
99011	A	UKRL Leicester	LR
99012	A	UKRL Leicester	LR
99013	A	UKRL Leicester	LR
99014	A	UKRL Leicester	LR
99015	T	UKRL Leicester	LR
99016	T	UKRL Leicester	LR
99017			
99018			
99019			
99020			
99021			
99022			
99023			
99024			
99025			
99026			

Multi-Mode Loco
99027
99028
99029
99030

Diesel Unit

121

Class 121 Pressed Steel Bubble Car



John J Cordrey

The British Rail Class 121 is a single-car double-ended diesel multiple unit. 16 driving motor vehicles were built from 1960, numbered 55020–55035. These were supplemented by ten single-ended trailer vehicles, numbered 56280–56289 (later renumbered 54280–54289). They have a top speed of 70 mph, with slam-doors, and vacuum brakes. The driving motor vehicles were nicknamed "Bubble Cars" by some enthusiasts (a nickname endorsed and made official by final passenger service operator Chiltern Railways).

The Class 121 is Britain's longest serving DMU, operating in passenger service for 57 years until 2017.

14 vehicles have been preserved

Gauge	1435mm
Builder	Pressed Steel
Max Speed	70mph
Introduced	1960
Length	19660mm
Width	2820mm
Height	3760mm
Weight	38t / 29.8t (Trailer)
Engine	Leyland 1595 X2

Diesel Unit

Transmission	Diesel Mechanical
Power	112kW X2
Wheel Arrangement	Bo-Bo

Number	Name			Form	Note	Livery
121020 [1]		*977722, 55020, 960002, L120*	P	55020	DMBS	CRB
121022 [2]	Flora	*977873, 55022, 960014, L122*	P	55022	DMBS	CAR
121034 [3]		*977828, 55034, W55034*	P	55034	DMBS	GRN

Notes
1: Bodmin & Wenford Railway
2: Locomotive Services, Crewe
3: Cholsey & Wallingford Railway

139

Parry People Mover



John J Cordrey

Flywheel energy storage powered railcars.

These lightweight railcars operate the short Stourbridge Town branch (from Stourbridge junction)

Diesel Unit

Power	64kW
Weight	12t
Max Speed	20mph
Seats	25

Number	Name	Form	Note	Livery
139001	The Stourbridge Lion	39001	Parry People Mover	WM1
139002	George the station cat	39002	Parry People Mover	WM1

141

Class 141 Pacer



Paul Furse

First production pacer class introduced in 1984.

The British Rail Class 141 was the first production model of the Pacer diesel multiple unit (DMU) railbus.

During the 1980s, British Rail (BR) was interested in replacing its first-generation diesel multiple units, particularly in the use of railbuses to service its lightly used branch lines. It was decided to develop such a vehicle with a high level of commonality with the widely used Leyland National bus, leading to its modular design serving as the basis for the design.

Introduced	1984
Withdrawn	2005
Wheel Arrangement	4-Wheel

Diesel Unit

Power	149kW (per engine)
Engine	Leyland TL11
Max Speed	75mph

Number			Form	Note	Base	Livery
141101	*141020*	E	55521, 55541	Exported to Iran		WYP
141102	*141001*	E	55502, 55522	Exported to Iran		WYP
141103	*141002*	X	55503, 55523	scrapped 2018 Weardale Railway		
141105	*141004*	E	55505, 55525	Exported to Iran		WYP
141106	*141005*	E	55506, 55526	Exported to Holland (for sale)		WYP
141107	*141006*	E	55507, 55527	Exported to Iran		WYP
141108	*141007*	P	55508, 55528		Arlington Fleet Services - Eastleigh Works	BLG
141109	*141008*	E	55509, 55529	Exported to Iran		WYP
141111	*141010*	E	55511, 55531	Exported to Iran		WYP
141112	*141011*	E	55512, 55532	Exported to Holland (for sale)		WYP
141113	*141012*	P	55513, 55533		Midland Railway - Butterley	WYP
141114	*141013*	E	55514, 55534	Exported to Iran		WYP
141115	*141014*	E	55515, 55535	Exported to Iran		WYP
141116	*141015*	E	55516, 55536	Exported to Iran		WYP
141117	*141016*	E	55517, 55537	Exported to Iran		WYP
141118	*141017*	E	55518, 55538	Exported to Iran		SEC

Diesel Unit					
141119 [1]	*141018*	E	55519, 55539	Converted to SERCO weedkilling unit before being exported to Iran	WYP
141120	*141019*	E	55520, 55540	Exported to Iran	WYP

Notes
1: Name: FLOWER**

142

Class 142 Pacer



The British Rail Class 142 diesel multiple unit passenger railbuses were built for British Rail from 1985 to 1987. The class were built with a high level of commonality with the widely used Leyland National bus. They are part of the Pacer family of railbuses. The last set was withdrawn from service in 2020.

The Class 142 shared a high degree of similarity to the design of the Class 141. However, one major area of change is that both the Class 142 and Class 143 featured a noticeably wider body, instead of adhering to the width of the standard bus as per the Class 141; specifically, the width was expanded to the maximum amount permissible to remain within the loading gauge. This resulted in an increased internal area to accommodate passengers within, enabling a three-by-two seating arrangement to be installed for a total maximum capacity of 121 seats per set. The increased seating was particularly useful as, in addition to their use on rural feeder services, the Class 142's use on short range urban services had been foreseen by BR planners.

Diesel Unit

Several operational class 142 units have made it into preservation

Length	15.55m
Width	2.8m
Wheel Arrangement	1-A+A-1
Builder	BREL Derby/Leyland
Power	165kW
Engine	CUMMINS LT10-R
Max Speed	75mph
Height	3.86m
Introduced	1985
Withdrawn	2020
Transmission	Voith T211r two-stage hydraulic
Wheelbase	9m

Number			Form	Base	Livery
142001		P	55542, 55592	Locomotion - NRM Shildon	NOR
142002		X	55543, 55593		
142003		P	55544, 55594		GMP
142004		P	55545, 55595	Cambrian Heritage Railway, Oswestry	NOR
142005		X	55546, 55596		
142006 [1]		P	55547, 55597	Llanelli & Mynydd Mawr Railway	ATW
142007		P	55548, 55598		RRG
142009 [2]		X	55550, 55600		
142010		X	55551, 55601		
142011 [3]		P	55552, 55602	Midland Railway - Butterley	NOR
142012		X	55553, 55603		
142013		P	55554, 55604	Midland Railway - Butterley	NOR
142014		P	55555, 55605		NOR
142015		X	55556, 55606		
142016	*142516*	X	55557, 55607		
142017		P	55558, 55608	East Kent Railway	NOR
142018	*142518*	P	55559, 55609	Wensleydale Railway	NOR
142019	*142519*	P	55560, 55610	Waverley Route Heritage Centre	NOR

142020	*142520*	P	55561, 55611	Waverley Route Heritage Centre	NOR
142021	*142521*	X	55562, 55612		
142022	*142522*	X	55563, 55613		
142023		P	55564, 55614	Plym Valley Railway	NOR
142024		X	55565, 55615		
142025	*142525*	X	55566, 55616		
142026		X	55567, 55617		
142027 [4]		P	55568, 55618	Chasewater Railway	NOR
142028		P	55569, 55619	Wensleydale Railway	NOR
142029		P	55570, 55620	Chasewater Railway	NOR
142030		P	55571, 55621	Chasewater Railway	FNW
142031		X	55572, 55622		
142032		X	55573, 55623		
142033 [5]		S	55574, 55624	South Wales Police Development Centre, Bridgend	NOR
142034		X	55575, 55625		
142035		X	55576, 55626		
142036		P	55577, 55627	East Kent Railway	NOR
142037		X	55578, 55628		
142038		P	55579, 55629	Mid Norfolk Railway	NOR
142039		X	55580, 55630		
142040		X	55581, 55631		
142041		P	55582, 55632	Wensleydale Railway	NOR
142042		X	55583, 55633		
142043 [6]			55584, 55634	Sussex Police Training College, Kingstanding	NOR
142044		X	55585, 55635		
142045		D	55586, 55636	Kirk Merrington Primary School, Co Durham	NOR
142046		X	55587, 55637		
142047 [7]		S	55588, 55638	Stow Bardolph Old Station	NOR
142048		X	55589, 55639		

142049	X	55590, 55640		
142050	X	55591, 55641		
142051	X	55701, 55747		
142052	X	55702, 55748		
142053	X	55703, 55749		
142054	X	55704, 55750		
142055	P	55705, 55751	Cambrian Railway Trust, Llynclys	NOR
142056	X	55706, 55752		
142057	X	55707, 55753		
142058	X	55708, 55754	Telford Steam Railway	NOR
142060	P	55710, 55756	Wensleydale Railway	NOR
142061	P	55711, 55757	Mid Norfolk Railway	NOR
142062	X	55712, 55758		
142063	X	55713, 55759		
142064	X	55714, 55760		
142065	X	55715, 55761		
142066	X	55716, 55762		
142067		55717, 55763		
142068	X	55718, 55764		
142069	X	55719, 55765		
142070	X	55720, 55766		
142071	X	55721, 55767		
142072	X	55722, 55768		
142073 [8]	X	55723, 55769		
142074	X	55724, 55770		
142075	X	55725, 55771		
142076	X	55726, 55772		
142077	X	55727, 55773		
142078	P	55728, 55774	Weardale Railway	NOR
142079		55729, 55775		
142080 [9]	X	55730, 55776		
142081	X	55731, 55777		
142082	X	55732, 55778		
142083	X	55733, 55779		
142084	P	55734, 55780	Rushden Transport Museum	NOR
142085	X	55735, 55781		
142086	X	55736, 55782		

Diesel Unit				
142087	P	55737, 55783	Wensleydale Railway	BLK
142088	X	55738, 55784		
142089	X	55739, 55785		
142090	P	55740, 55786	Wensleydale Railway	BLO
142091	P	55741, 55787	Rushden Transport Museum	NOR
142092	X	55742, 55788		
142093	X	55743, 55789		
142094	P	55744, 55790	Weardale Railway	NOR
142095	X	55745, 55791		
142096	X	55746, 55792		

Notes

1: Name: Tom Clift
2: Name: Newton Heath 125 1876 - 2001**
3: for spares
4: for spares
5: for emergency services training
6: for emergency services training
7: 55638 only
8: Name: Myfanwy**
9: Name: Caerphilly RFC**

143

Class 143 Pacer



Paul Furse

The British Rail Class 143 is a diesel multiple unit railbus, part of the Pacer family of passenger trains introduced between 1985 and 1986.

During the 1980s, British Rail (BR) was interested in replacing its first-generation diesel multiple units, particularly in the use of railbuses to service its lightly used branch lines. It was decided to develop such a vehicle with a high level of commonality with the widely used Leyland National bus, leading to its modular design serving as the basis for the design. Several single and two-car prototypes were constructed and evaluated, leading to an initial production batch by British Leyland, designated as the Class 141 units. BR, seeking to procure improved derivatives of the Class 141, placed an order with the manufacturers Hunslet-Barclay and Walter Alexander to construct its own variant, the Class 143.

Entering operational service during the mid-1980s, the Class 143 embodied several advances over the original model in terms of ride quality and reliability. During its operating lives, the type was tasked with various passenger services across the United Kingdom; being initially operated in the North-East of England, all units were subsequently transferred to other regions, including Wales and South-West England.

Introduced	1985
Withdrawn	2021
Wheel Arrangement	1-A+A-1
Builder	Alexander/Barclay
Engine	Leyland TL11 / Cummings LTA10-R
Max Speed	75mph
Length	15.45m
Width	2.70m

Diesel Unit

Height	3.52m
Power	165kW
Weight	24t
Transmission	Hydraulic, Voith T211r
Wheelbase	9m

Number	Name			Form	Base	Livery
143601 [1]		*143001*	P	55642, 55667	Tanat Valley Railway	ATT
143602		*143002*	P	55651, 55668	Nene Valley Railway	ATT
143603		*143003*	P	55658, 55669	Vale of Berkeley Railway	GWU
143604		*143004*	X	55645, 55670		
143605	Crimestoppers**	*143005*	X	55646, 55671		
143606		*143006*	P	55647, 55672	Llanelli & Mynydd Mawr Railway	ATT
143607		*143007*	P	55648, 55673	Llanelli & Mynydd Mawr Railway	ATT
143608		*143008*	X	55649, 55674		
143609	SIR TOM JONES**	*143009*	X	55650, 55675		
143610		*143010*	X	55643, 55676		
143611		*143011*	X	55652, 55677		
143612		*143012*	P	55653, 55678	Llanelli & Mynydd Mawr Railway	GWU
143613		*143013*	X	55654, 55679		
143614		*143014*	X	55655, 55680		
143615		*143015*	X	55656, 55681		
143616		*143016*	P	55657, 55682	Tanat Valley Railway	ATT
143617	FOUNDER MEMBER & CHAIRMAN ROD GARDNER, BEWICK'S SWAN**	*143017*	P	55644, 55683	Tarka Valley Railway	GWU
143618		*143018*	P	55659, 55684	Plym Valley Railway	GWU

Diesel Unit						
143619		*143019*	P	55660, 55685	Cambrian Heritage Railway, Oswestry	GWU
143620		*143320, 143020*	X	55661, 55686		
143621		*143321, 143021*	X	55662, 55687		
143622		*143322, 143022*	P	55663, 55688	Llanelli Goods Shed Trust	ATT
143623		*143323, 143023*	P	55664, 55689	Wensleydale Railway	RRR
143624		*143324, 143024*	X	55665, 55690		
143625 [(2)]	Valleys Kids**	*143325, 143025*	P	55666, 55691	Keighley & Worth Valley Railway	ATT

Notes
1: `
2: THE START OF A NEW JOURNEY

144

Class 144 Pacer



The British Rail Class 144 Pacer was a diesel multiple unit (DMU) passenger train built at Derby between 1986 and 1987. BR, seeking to procure improved derivatives of the earlier Class 141, placed an order with the manufacturers British Rail Engineering Limited (BREL) and Walter Alexander to construct their own variant, the Class 144. A total of 23 units were constructed.

Diesel Unit

All units have now retired from mainline service, though a significant proportion have been acquired for preservation on heritage railways and in other uses. 19 out of the 23 units have been purchased following withdrawal for this purpose, of which 15 units are in operational condition.

Introduced	1986
Withdrawn	2021
Wheel Arrangement	1-A+A-1
Builder	Alexander/BREL Derby
Engine	Leyland TL11 / Cummings LTA10-R
Max Speed	75mph
Length	15.093m
Width	2.695m
Height	3.725m
Power	165kW
Weight	24-28tons
Wheelbase	9m

Number		Form	Note	Base	Livery
144001 [(1)]	P	55801, 55824	55824 Preserved/55801 Airedale Hospital Keighley		NOR
144002	P	55802, 55825		Blyth Dales School, Northumberland	NOR
144003	P	55803, 55826		Great Central Railway (Nottingham) Ltd	NOR
144004	P	55804, 55827		Aln Valley Railway	NOR
144005	X	55805, 55828			NOR
144006	P	55806, 55829		Cambrian Heritage Railway, Oswestry	NOR
144007	P	55807, 55830		Cambrian Heritage Railway, Oswestry	NOR
144008	P	55808, 55831	Unit 55831 to Corby Model Railway Society. Unit 55808 to Fagley Primary School Bradford		NOR

144009	P	55809, 55832	Originally for Greater Manchester Fire & Rescue Service but 144010 given instead	East Lancashire Railway	GMT
144010	X	55810, 55833			NOR
144011	P	55811, 55834		Keighley & Worth Valley Railway	WYP
144012		55812, 55835			
144013	P	55813, 55836		Telford Steam Railway	NOR
144014	X	55814, 55850, 55837			
144015	X	55815, 55851, 55838	Unit 55815 for disposal Sims metals Newport docks		
144016	P	55816, 55852, 55839		Aln Valley Railway	NOR
144017	P	55817, 55853, 55840		Appleby-Frodingham RPS	NOR
144018	P	55818, 55854, 55841		Mid Norfolk Railway	NOR
144019	X	55819, 55855, 55842			NOR
144020	P	55820, 55856, 55843		Wensleydale Railway	
144021	X	55821, 55844	reformed as 2 car		
144022	P	55822, 55858, 55845		Keith & Dufftown Railway	NOR
144023	P	55823, 55859, 55846		Tyseley Locomotive Works	NOR

Notes

1: Name: THE PENISTONE LINE PARTNERSHIP

150

Sprinter



Class 150 "Sprinter" units developed in the 1980's to replace first generation DMUs.

Introduced	1984
Builder	BREL
Engine	Cummins NT855-R5
Max Speed	75mph
Formation	DMSL+DMS / DMSL+MS+DMS
Transmission	Voith hydrokinetic

Number	Name	Form	Note	Livery
150001		55200, 55400, 55300		NRP
150002	*154002, 154001*	55201, 55401, 55301		NRP
150003	*150116*	52116, 57209, 57116		NRP
150004	*150112*	52112, 57212, 57112		NRP
150005	*150117*	52117, 52223, 57117		NRP
150006	*150147*	52147, 57223, 57147		NRP
150007	*150132*	52132, 52226, 57132		NRP
150008	*150011, 150111*	52111, 57226, 57111	Numbered 150011 when formed as a 3-car unit with 52204 inserted.	NRP
150101		52101, 57101		NRP
150102		52102, 57102		NRP
150103		52103, 57103		NRP

Diesel Unit				
150104		52104, 57104		NRP
150105		52105, 57105	Hutchie/Bernie	NRP
150106		52106, 57106		NRP
150107	*150007*	52107, 57107		NRP
150108		52108, 57108		NRP
150109	*150009*	52109, 57109	Numbered 150009 when formed as a 3-car unit with 52109, 57202 and 57216.	NRP
150110	*150010*	52110, 57110	Numbered 150010 when formed as a 3-car unit with 57226 inserted.	NRP
150111		52111, 57111	Formation disbanded	
150112	*150012*	52112, 57112	Formation disbanded. Numbered 150012 when formed as a 3-car unit with 57204 inserted.	
150113	*150013*	52113, 57113	Numbered 150013 when formed as a 3-car unit with 52226 inserted.	NRP
150114	*150014*	52114, 57114	Numbered 150014 when formed as a 3-car unit with 57204 inserted.	NRP
150115	*150015*	52115, 57115	Numbered 150015 when formed as a 3-car unit with 52206 inserted.	NRP

Diesel Unit					
150116		*150016*	52116, 57116	Formation disbanded. Numbered 150016 when formed as a 3-car unit with 57212 inserted.	
150117		*150017*	52117, 57117	Formation disbanded	
150118		*150018*	52118, 57118	Numbered 150018 when formed as a 3-car unit with 52220 inserted.	NRP
150119	GOSPEL OAK - BARKING 2000**	*150019*	52119, 57119		NRP
150120			52120, 57120		NRP
150121	WILLESDEN EIGHT** Silver Star**	*150921*	52121, 57121		NRP
150122			52122, 57122		NRP
150123	BLETCHLEY 7		52123, 57123		NRP
150124			52124, 57124		NRP
150125	Heart of Wessex Community Rail Partnership**	*150925*	52125, 57125	E HEART OF WESSEX LINE**	NRP
150126		*150926*	52126, 57126	Numbered 150926 when formed as a 3-car unit with 52126, 57212 and 57126.	NRP
150127	Bletchley TMD**	*150927*	52127, 57127		NRP
150128	Bedford-Bamberg 30**		52128, 57128	COMMUNITY FOREST**	NRP
150129	Devon & Cornwall Rail Partnership**		52129, 57129		NRP

Diesel Unit					
150130	Severnside Community Rail Partnership**		52130, 57130		NRP
150131	LESLIE CRABB**		52131, 57131		NRP
150132			52132, 57132	Formation disbanded	
150133	NORTHERN STAR**		52133, 57133		NRP
150134			52134, 57134		NRP
150135			52135, 57135		NRP
150136			52136, 57136		NRP
150137	Brickfield Breeze		52137, 57137		LNG
150138			52138, 57138		NRP
150139	Bedford Belle		52139, 57139		LNG
150140			52140, 57140		NRP
150141	Bletchley Codebreakers		52141, 57141		LNG
150142			52142, 57142		NRP
150143			52143, 57143		NRP
150144			52144, 57144		NRP
150145			52145, 57145		NRP
150146			52146, 57146		NRP
150147			52147, 57147	Formation disbanded	
150148			52148, 57148		NRP
150149			52149, 57149		NRP
150150			52150, 57150		NRP
150201			52201, 57201		NRP
150202			52202, 57202		GWU
150203			52203, 57203		NRP
150204			52204, 57204		NRP
150205			52205, 57205		NRP
150206			52206, 57206		NRP
150207			52207, 57207		GWU
150208			52208, 57208		TFW
150209			57209, 57212	Formation disbanded	
150210			52210, 57210		NRP
150211			52211, 57211		NRP
150213	Lord Nelson**	X	52213, 57213		
150214			52214, 57214		NRP

Diesel Unit						
150215				52215, 57215		NRP
150216				52216, 57216		GWU
150217	Oliver Cromwell**		X	52217, 57217		TFW
150218				52218, 57218		NRP
150219				52219, 57219		GWU
150220	Gospel Oak - Barking 2000**			52220, 57220		NRP
150221				52221, 57221		GWU
150222				52222, 57222		NRP
150223				52223, 57223	Formation disbanded	
150224				52224, 57224		NRP
150225				52225, 57225		NRP
150226			W	52226, 57226	unit split up and cars redployed	
150227	Sir Alf Ramsey**		X	52227, 52727		
150228				52228, 57228		NRP
150229	George Borrow**		X	52229, 57229		
150230	The Tamar Kingfisher**		X	52230, 57230		
150231 [(1)]	King Edmund**		P	52231, 57231		RRR
150232	The Coastal Connection**			52232, 57232		GWU
150233	The Lady Margaret of Looe Valley**, Peter West OBE**			52233, 57233		GWU
150234	The National Trust**			52234, 57234		GWU
150235			X	52235, 57235		
150236	East Devon Livery		X	52236, 57236		
150237	Hereward the Wake**		X	52237, 57237		
150238	Exeter Explorer**	*150938*		52238, 57238		GWU
150239	Jurassic Coast Livery			52239, 57239		GWU

Diesel Unit				
150240		X	52240, 57240	
150241 [2]	The Tarka Belle**	S	52241, 57241	TFW
150242			52242, 57279	TFW
150243	The Filton Partnership**		52243, 57243	GWU
150244	The West Cornwall Experience**		52244, 57244	GWU
150245			52245, 57245	TFW
150246			52246, 57246	GWU
150247			52247, 57247	GWU
150248	The Great Gardens of Cornwall**		52248, 57248	GWU
150249	J Charles Lang**		52249, 57249	GWU
150250		X	52250, 57250	
150251		S	52251, 57251	TFW
150252			52252, 57252	TFW
150253	The Exmouth Avocet**	X	52253, 57253	
150254 [3]		S	52254, 57254	TFW
150255	Henry Blogg**	X	52255, 57255	
150256		S	52256, 57256	TFW
150257	Queen Boadicea**	S	52257, 57257	TFW
150258			52258, 57258	TFW
150259			52259, 57259	TFW
150260			52260, 57260	TFW
150261	The Tarka Line - The First 25 Years 1989-2014		52261, 57261	GWU
150262			52262, 57262	TFW
150263	The Castles of Cornwall**		52263, 57263	GWU
150264			52264, 57264	TFW
150265	The Falmouth Flyer**		52265, 57265	GWU
150266	The Whitley Wonder**		52266, 57266	GWU
150267 [4]		S	52267, 57267	TFW
150268			52268, 57268	NRP

150269			52269, 57269		NRP
150270			52270, 57270		NRP
150271			52271, 57271	Welcome to Yorkshire vinyls	NRP
150272			52272, 57272		NRP
150273	Driver John Axon G.C.**		52273, 57273		NRP
150274			52274, 57274		NRP
150275			52275, 57275	The Yorkshire Regiment**	NRP
150276			52276, 57276		NRP
150277			52277, 57277	Welcome to Yorkshire vinyls	NRP
150278		S	52278, 57278		TFW
150279			52279, 57242		ATX
150280	Welsh Assembly Government/Llywodraeth Cynulliad Cymru**	S	52280, 57280		TFW
150281	Caerphilly Castle**	X	52281, 57281		
150282			52282, 57282		TFW
150283			52283, 57283		TFW
150284			52284, 57284		TFW
150285	Gospel Oak - Barking 2000**		52285, 57285		TFW

Notes
1: Mid Hants Railway
2: Quinton Rail Technology Centre, Long Marston
3: Quinton Rail Technology Centre, Long Marston
4: Quinton Rail Technology Centre, Long Marston

151

Prototype DMU

Prototype DMU built by Metro-Cammell as a potential replacement for first-generation DMUs.

Two units were built and compared with the class 150 which was selected for production.

Diesel Unit

Introduced	1985
Withdrawn	1989
Builder	Metro-Cammell
Engine	Cummins NT855-R5
Max Speed	75mph
Formation	DMSL-MS-DMS
Transmission	Twin Disc 1330

Number			Form	Note
151001	*151003*	X	55202, 55402, 55302	Scrapped in 2004.
151002	*151004*	X	55203, 55403, 55303	Scrapped in 2004.

153

Sprinter



Single car Sprinter units, originally built as two-car class 155, some of the units were split and fitted with additional cabs to form the calls 153 single car units.

Formation	DMSL
Introduced	1991
Builder	Hunslet Barclay
Weight	41t
Engine	Cummins NT855-R5
Transmission	Voith hydrokinetic
Max Speed	75mph

Diesel Unit

Number	Name			Form	Note	Livery
153301			S	52301		NOR
153302			X	52302		
153303		*AT03*	A	52303		TFW
153304			S	52304		ANG
153305				52305		ASR
153308 [1]			T	52308	For use on testing contracts - not classed as preserved	EMT
153311	John Constable**	*VIU 1*	A	52311	Network Rail Infrastructure Monitoring Vehicle	NRB
153312				52312	Spare Active Travel partner	TFW
153315			S	52315		NOR
153316	John 'Longitude' Harrison Inventor of the Marine Chronometer		X	52316		NOR
153317 [2]			S	52317		NOR
153319			S	52319		EMT
153320				52320		TFW
153323				52323		TFW
153324			X	52324		NOR
153325				52325	Citizens Rail vinyls	TFW
153327		*AT06*	A	52327		TFW
153329	St. Ives Bay Belle**			52329		TFW
153330			X	52330		NOR
153332			X	52332		NOR
153333				52333		TFW

153334 [3]			S	52334	Future movement to the Ashville Aggregates site at West Drayton and interior conversion as a reception space planned	LMI
153351			S	57351		NOR
153353		*AT02*	A	57353		TFW
153354			S	57354	used as training room, Swindon Cocklebury	LMI
153355			S	57355		EMT
153356			S	57356		LMI
153357			S	57357		EMT
153358			X	57358		NOR
153359			X	57359		NOR
153360			X	57360		
153361				57361		TFW
153362	Dylan Thomas 1915-1953**	*AT01*	A	57362		ATT
153363			X	57363		NOR
153364			X	57364		
153365			X	57365		LMI
153366			X	57366		
153367				57367		TFW
153369	Pamela Anderson**			57369		TFW
153370				57370		ASR
153371 [4]			T	57371	For use on testing contracts - not classed as preserved	LMI
153373				57373		SAT
153374 [5]			D	57374	Body shell in use as cafe at Llanelli Railway	EMT

153375			S	57375		LMI
153376	X24 - EXPEDITIOUS**	*VIU 2*	A	57376	Network Rail Infrastructure Monitoring Vehicle	NRB
153377				57377		SAT
153378			S	57378		NOR
153379		*TCMU1*	A	57379	Network Rail Infrastructure Monitoring Vehicle	NRB
153380				57380		ASR
153381		*VIU 5*	A	57381	Network Rail Infrastructure Monitoring Vehicle	NRB
153383	Ecclesbourne Valley Railway	*VIU 4*	A	57383	Network Rail Infrastructure Monitoring Vehicle	NRB
153384		*VIU 6, TCMU2*	A	57384	Network Rail Infrastructure Monitoring Vehicle	NRB
153385		*VIU 3*	A	57385	Network Rail Infrastructure Monitoring Vehicle	NRB
153906	Edith Cavell**	*153306*	S	52306		TFW
153909	GERARD FIENNES**	*153309*	S	52309		TFW
153910		*153310*	S	52310		TFW
153913		*153313*	S	52313		TFW
153914		*153314*	S	52314		TFW
153918		*153318, AT05*	A	52318		TFW
153921		*153321*	S	52321		TFW
153922	BENJAMIN BRITTEN**	*153322*	S	52322		TFW
153926	Ted Ellis**	*153326*	S	52326		TFW
153935	MICHAEL PALIN**	*153335*	S	52335		TFW
153982		*153382, AT04*	S	57382		TFW

Notes

1: Great Central Railway
2: HNRC Worksop

Diesel Unit

3: Quinton Rail Technology Centre, Long Marston
4: Great Central Railway
5: Llanelli & Mynydd Mawr Railway

153/5

Active Travel



153552 (AT04) at Llandrindod Wells

Neil Thaler

Units converted for "Active Travel" and used on Heart or Wales services coupled with a class 153/3 unit.

Conversion includes creating space for 10 bicycles.

Livery is pale blue base with scenery along bottom of sides

Seats	42
Introduced	2025
Max Speed	75 mph

Number			Form	Livery
153507	*153907, 153307, AT01*	A	52307	NOR
153528	*153328, AT02*	A	52328	NOR
153531	*153331, AT03*	A	52331	TFWA
153552	*153352, AT04*	S	57352	TFWA
153568	*153368, 153968, AT06*	A	57368	TFW
153572	*153372, 153972, AT05*	A	57372	TFW

155

Class 155 Super Sprinter



Paul Furse

The British Rail Class 155 is a diesel multiple unit passenger train. These DMUs were built by Leyland Bus at Workington (incorporating some Leyland National bus components) between 1987 and 1988 as part of BR's replacement of its ageing first-generation diesel fleet. 42 units were originally built, of which only 7 remain; the other 35 units were converted to Class 153 railcars.

Formation	DMSL-DMS
Length	23.208m
Width	2.700m
Height	3.746m
Introduced	1988
Wheel Arrangement	2B+B2
Builder	Leyland Bus
Power	430 kW
Weight	38.8t / 37.9t
Engine	2 × Cummins NT855-R5 (one per vehicle)
Transmission	Voith T211r (hydrokinetic) (one per vehicle)
Max Speed	75 mph
Wheelbase	16m
Bogies	2.6m
Seats	80+80

Number	Form	Note	Livery
155341	52341, 57341		NRP

Diesel Unit

155342	52342, 57342		NRP
155343	52343, 57343	Calder Valley vinyls	NRP
155344	52344, 57344		NRP
155345	52345, 57345		NRP
155346	52346, 57346		NRP
155347	52347, 57347		NRP

156

Class 156 Super Sprinter



The British Rail Class 156 Super Sprinter is a diesel-hydraulic multiple unit passenger train. A total of 114 sets were built between 1987 and 1989 for British Rail by Metro-Cammell's Washwood Heath works. They were built to replace elderly first-generation DMUs and locomotive-hauled passenger trains.

Formation	DMSL-DMS
Length	22.385m
Width	2.730m
Height	3.805m
Introduced	1987–1989
Wheel Arrangement	2B+B2
Builder	Metro-Cammell
Power	430 kW
Weight	38.8t / 37.9t
Engine	2 × Cummins NT855-R5 (one per vehicle)
Transmission	Voith T211r (hydrokinetic) (one per vehicle)

Diesel Unit

Max Speed	75 mph
Wheelbase	16m
Bogies	2.6m
Seats	146-152 (originally 163)

Number	Name			Form	Livery
156401				52401, 57401	NRP
156402		*156902*		52402, 57402	NRP
156403				52403, 57403	NRP
156404				52404, 57404	NRP
156405				52405, 57405	NRP
156406				52406, 57406	NRP
156407		*156907*	S	52407, 57407	EMRR
156408				52408, 57408	NRP
156409	Cromer Pier Seaside Special**	*156909*		52409, 57409	NRP
156410				52410, 57410	NRP
156411				52411, 57411	NRP
156412		*156912*		52412, 57412	NRP
156413				52413, 57413	NRP
156414				52414, 57414	NRP
156415				52415, 57415	NRP
156416	Saint Edmund**	*156916*		52416, 57416	NRP
156417		*156917*		52417, 57417	NRP
156418	ESTA 1965-2015**	*156918*		52418, 57418	NRP
156419		*156919*		52419, 57419	NRP
156420	La'al Ratty - Ravenglass & Eskdale Railway			52420, 57420	NRP
156421				52421, 57421	NRP
156422		*156922*		52422, 57422	NRP
156423				52423, 57423	NRP
156424	The Yorkshire Dales Explorer			52424, 57424	NRP
156425				52425, 57425	NRP
156426				52426, 57426	NRP
156427				52427, 57427	NRP
156428				52428, 57428	NRP
156429				52429, 57429	NRP
156430				52430, 57430	ASR
156431				52431, 57431	ASR
156432				52432, 57432	ASR
156433	The Kilmarnock Edition**			52433, 57433	ASR

Diesel Unit				
156434			52434, 57434	ASR
156435			52435, 57435	ASR
156436			52436, 57436	ASR
156437			52437, 57437	ASR
156438	Timothy Hackworth		52438, 57438	NRP
156439			52439, 57439	ASR
156440	George Bradshaw**		52440, 57440	NRP
156441	William Huskisson MP**		52441, 57441	NRP
156442			52442, 57442	ASR
156443			52443, 57443	NRP
156444	Councillor Bill Cameron		52444, 57444	NRP
156445			52445, 57445	ASR
156446			52446, 57446	ASR
156447			52447, 57447	NRP
156448	Bram Stoker - Creator of Dracula		52448, 57448	NRP
156449	Saint Columba**		52449, 57449	NRP
156450			52450, 57450	ASR
156451			52451, 57451	NRP
156452			52452, 57452	NRP
156453			52453, 57453	ASR
156454			52454, 57454	NRP
156455			52455, 57455	NRP
156456			52456, 57456	ASR
156457			52457, 57457	ASR
156458			52458, 57458	ASR
156459	Benny Rothman - The Manchester Rambler**		52459, 57459	NRP
156460	Driver John Axon G.C.**		52460, 57460	NRP
156461			52461, 57461	NRP
156462			52462, 57462	ASR
156463			52463, 57463	NRP
156464	Lancashire DalesRail**		52464, 57464	NRP
156465	Bonnie Prince Charlie**		52465, 57465	NRP
156466	Gracie Fields		52466, 57466	NRP
156467			52467, 57467	ASR
156468			52468, 57468	NRP
156469	The Royal Northumberland		52469, 57469	NRP
156470		S	52470, 57470	EMT
156471			52471, 57471	NRP
156472			52472, 57472	NRP
156473		S	52473, 57473	EMT

156474			52474, 57474	ASR
156475			52475, 57475	NRP
156476			52476, 57476	ASR
156477	Highland Festival**		52477, 57477	ASR
156478			52478, 57478	NRP
156479			52479, 57479	NRP
156480			52480, 57480	NRP
156481			52481, 57481	NRP
156482	Elizabeth Gaskell		52482, 57482	NRP
156483	William George 'Billy' Hardy 14/01/1903 -10/03/1950		52483, 57483	NRP
156484			52484, 57484	NRP
156485			52485, 57485	NRP
156486			52486, 57486	NRP
156487			52487, 57487	NRP
156488			52488, 57488	NRP
156489			52489, 57489	NRP
156490	Captain James Cook - Master Mariner		52490, 57490	NRP
156491			52491, 57491	NRP
156492			52492, 57492	ASR
156493			52493, 57493	ASR
156494			52494, 57494	ASR
156495			52495, 57495	ASR
156496			52496, 57496	NRP
156497		S	52497, 57497	EMT
156498		S	52498, 57498	EMT
156499			52499, 57499	ASR
156500			52500, 57500	ASR
156501			52501, 57501	ASR
156502			52502, 57502	ASR
156503			52503, 57503	ASR
156504			52504, 57504	ASR
156505			52505, 57505	ASR
156506			52506, 57506	ASR
156507			52507, 57507	ASR
156508			52508, 57508	ASR
156509			52509, 57509	ASR
156510 [1]			52510, 57510	ASR
156511			52511, 57511	ASR
156512			52512, 57512	ASR
156513			52513, 57513	ASR

Diesel Unit		
156514	52514, 57514	ASR

Notes
1: Refurbished.

158

Class 158 Express Sprinter



The British Rail Class 158 Express Sprinter is a diesel multiple unit (DMU) passenger train. It is a member of the Sprinter series of regional trains, produced as a replacement for British Rail's first generation of DMUs; of the other members, the Class 159 is almost identical to the Class 158, having been converted from Class 158 to Class 159 in two batches.

Builder	BREL Derby Litchurch Lane
Introduced	1989–1992
Max Speed	90mph
Transmission	Voith T211rz or rrz
Length	22.57m
Width	2.70m
Height	3.73m
Power	350hp / 400hp
Weight	38.5 tonnes
Engine	Cummins NTA855-R1 / Perkins 2006 TW-H / Cummins NTA855-R3
Brakes	Pneumatic (disc)
Seats	Varies

Number	Name	Form	Note	Livery
158701	The Scottish Claymore**	57201, 57701		ASR
158702	BBC Scotland 75 Years**	52702, 57702		ASR
158703		52703, 57703		ASR
158704		52704, 57704		ASR
158705		52705, 57705		ASR
158706		52706, 57706		ASR
158707	Far North Line 125th Anniversary	52707, 57707		ASR
158708		52708, 57708		ASR
158709		52709, 57709		ASR
158710		52710, 57710		ASR
158711		52711, 57711		ASR
158712		52712, 57712		ASR
158713		52713, 57713		ASR
158714		52714, 57714		ASR
158715	Haymarket**	52715, 57715		ASR
158716		52716, 57716		ASR
158717		52717, 57717		ASR
158718		52718, 57718		ASR
158719		52719, 57719	Levenmouth Vinyls	ASR
158720	Inverness & Nairn Railway - 150 Years	52720, 57720		ASR
158721		52721, 57721		ASR
158722		52722, 57722		ASR
158723		52723, 57723		ASR
158724		52724, 57724		ASR
158725		52725, 57725		ASR
158726		52726, 57726		ASR
158727		52727, 57727		ASR
158728		52728|57728		ASR
158729		52729, 57729		ASR
158730		52730, 57730		ASR
158731		52731, 57731		ASR
158732		52732, 57732		ASR
158733		52733, 57733		ASR
158734		52734, 57734		ASR
158735		52735, 57735		ASR

158736			52736, 57736		ASR
158738			52738, 57738		ASR
158739			52739, 57739		ASR
158740			52740, 57740		ASR
158741			52741, 57741		ASR
158745			52745, 57745		GWU
158746				Reformed into units 158958 & 158962	
158747			52747, 57747		GWU
158748			52748, 57748		GWU
158749			52749, 57749		GWU
158750			52750, 57750		GWU
158751				Reformed into units 158950 & 158951	
158752			52742, 58716, 57752		NRP
158753			52753, 58710, 57753		NRP
158754	Settle & Carlisle 150		52754, 58708, 57754		NRP
158755			52755, 58702, 57755		NRP
158756			52256, 58712, 57756		NRP
158757			52257, 58706, 57757		NRP
158758			52258, 58714, 57758		NRP
158759			52259, 58713, 57759		NRP
158760			52760, 57760		GWU
158761				Reformed as 158950	
158762			52762, 57762		GWU
158763		X	52763, 57763	Collison damage Salisbury 31/10/2021	
158764				Reformed as 158951	
158765			52765, 57765		GWU
158766			52766, 57766		GWU
158767			52767, 57767		GWU
158768			52768, 57768		GWU
158769			52769, 57769		GWU
158770			52770, 57770		SCE
158771			52771, 57771		GWU

Diesel Unit

158773	EASTCROFT DEPOT**	52773, 57773		EMRI
158774		52774, 57774		EMRI
158776			Reformed into unit 158958	
158777		52777, 57777		SCE
158778			Reformed into unit 158959	
158780		52780, 57780		SCE
158782		52782, 57782		NRP
158783		52783, 57783		SCE
158784	Barbara Castle**	52784, 57784		NRP
158785		52785, 57785		SCE
158786		52786, 57786		NRP
158787		52787, 57787		NRP
158788		52788, 57788		SCE
158789	Rugby League (Northern Rail Cup)	52789, 57789		NRP
158790		52790, 57790		NRP
158791	County of Nottinghamshire**	52791, 57791		NRP
158792		52792, 57792		NRP
158793		52793, 57793		NRP
158794		52794, 57794		NRP
158795		52795, 57795		NRP
158796	Fred Trueman - Cricketing Legend**	52796, 57796		NRP
158797	Jane Tomlinson**	52797, 57797		NRP
158798		52798, 58715, 57798		GWU
158799		52799, 57799		SCE
158806		52806, 57806		SCE
158810		52810, 57810		EMR
158812		52812, 57812		SCE
158813		52813, 57813		SCE
158815		52815, 57815		NRP
158816		52816, 57817		NRP
158817		52817, 57817		NRP

158818			52818, 57818	TFW
158819			52819, 57819	TFW
158820			52820, 57820	TFW
158821			52821, 57821	TFW
158822			52822, 57822	TFW
158823			52823, 57823	TFW
158824		S	52824, 57824	TFW
158825			52825, 57825	TFW
158826			52826, 57826	TFW
158827			52827, 57827	TFW
158828			52828, 57828	TFW
158829			52829, 57829	TFW
158830			52830, 57830	TFW
158831			52831, 57831	TFW
158832			52832, 57832	TFW
158833			52833, 57833	TFW
158834			52834, 57834	TFW
158835			52835, 57835	TFW
158836			52836, 57836	TFW
158837			52837, 57837	TFW
158838			52838, 57838	TFW
158839			52839, 57839	TFW
158840			52840, 57840	TFW
158841		S	52841, 57841	TFW
158842			52842, 57842	NRP
158843			52843, 57843	NRP
158844	The Northumbrian		52844, 57844	ADV
158845			52845, 57845	NRP
158846			52846, 57846	SCE
158847	Lincoln Castle Explorer		52847, 57847	EMRS
158848			52848, 57848	NRP
158849			52849, 57849	NRP
158850			52850, 57850	NRP
158851			52851, 57851	NRP
158852			52852, 57852	EMRS
158853			52853, 57853	NRP
158854	The Station Volunteer		52854, 57854	SCE
158855	Exmoor Explorer**		57855, 57855	NRP
158856			52856, 57856	SCE

Diesel Unit					
158857			52857, 57857		SCE
158858			52858, 57858		SCE
158859			52859, 57859		NRP
158860	Ian Dewhirst**		52860, 57860		NRP
158861	Magna Carta 800 Lincoln 2015**		52861, 57861		NRP
158862			52862, 57862		SCE
158863			52863, 57863		SCE
158864	ELR 50 VISIT LINCOLNSHIRE in 2020		52864, 57864		SCE
158865			52865, 57865		SCE
158866			52866, 57866		EMRS
158867			52867, 57867		NRP
158868			52868, 57868		NRP
158869			52869, 57869		NRP
158870			52870, 57870		NRP
158871			52871, 57871		NRP
158872			52872, 57872		NRP
158880		*158737*	52737, 57737		SWM
158881		*158742*	52742, 57742		SWM
158882		*158743*	52743, 57743		SWM
158883		*158744*	52744, 57744		SWM
158884		*158772*	52772, 57772		SWM
158885		*158775*	52775, 57775		SWM
158886		*158779*	52779, 57779		SWM
158887		*158781*	52781, 57781		SWX
158888		*158802*	52802, 57802		SWX
158889		*158808*	52808, 57808		SCE
158890		*158814*	52814, 57814		SWX
158950			57751, 52761, 57761		GWU
158951			52751, 52764, 57764		GWU
158952				Formation disbanded	
158953				Formation disbanded	
158954				Formation disbanded	
158955				Formation disbanded	
158956				Formation disbanded	

Diesel Unit				
158957			Formation disbanded	
158958		57746, 52776, 57776	Reformed using vehicles from 158746 & 158776	GWU
158959		52746, 52778, 57778	Reformed using vehicles from 158746 & 158778	GWU
158960			Formation disbanded	
158961			Formation disbanded	
158962			Formation disbanded	
158999	S		spare bodyshell	

158/9

Express Sprinter



158901 At Leeds after working 1B22 Preston to Leeds

Neil Thaler

Number	Form	Livery
158901	52901, 57901	NRP
158902	52902, 57902	NRP
158903	52903, 57903	ADV

Diesel Unit		
158904	52904, 57904	NRP
158905	52905, 57905	NRP
158906	52906, 57906	NRP
158907	52907, 57907	NRP
158908	52908, 57908	NRP
158909	52909, 57909	NRP
158910 [1]	52910, 57910	NRP

Notes
1: Name: William Wilberforce**

159

Class 159 South Western Turbo Sprinter



Paul Furse

The British Rail Class 159 is a class of British diesel multiple unit passenger trains of the Sprinter family, built in 1989–1992 by British Rail Engineering Limited (BREL)'s Derby Litchurch Lane Works as Class 158. Before entering traffic, the original 22 units were modified at Rosyth Dockyard to Class 159 to operate services from London Waterloo to Salisbury and Exeter St Davids, replacing various locomotive-hauled passenger trains.

The units were originally branded by Network SouthEast as South Western Turbo.

Builder	BREL
Introduced	1992–1993
Max Speed	90mph
Transmission	Voith T 211 rz (hydrokinetic)
Length	22.57m
Width	2.70m

Diesel Unit

Height	3.73m
Power	159/0: 895 kW 159/1: 783 kW
Weight	38.5 tonnes
Engine	Inline-6 4-stroke turbo-diesel
Brakes	Pneumatic (disc)
Seats	169

Number	Name	Form	Livery
159001	CITY OF EXETER	52873, 58718, 57873	SWX
159002	CITY OF SALISBURY**	52874, 58719, 57874	SWX
159003	TEMPLECOMBE	52875, 58720, 57875	SWX
159004	BASINGSTOKE AND DEANE**	52876, 58721, 57876	SWX
159005	WEST OF ENGLAND LINE**	52877, 58722, 57877	SWX
159006	THE SEATON TRAMWAY Seaton - Colyford - Colyton**	52878, 58723, 57878	SWX
159007		52879, 58724, 57879	SWX
159008		52880, 58725, 57880	SWX
159009		52881, 58726, 57881	SWX
159010		52882, 58727, 57882	SWX
159011		52883, 58728, 57883	SWX
159012		52884, 58729, 57884	SWX
159013		52885, 58730, 57885	SWX
159014		52886, 58731, 57886	SWX
159015		52887, 58732, 57887	SWX
159016		52888, 58733, 57888	SWX
159017		52889, 58734, 57889	SWX
159018		52890, 58735, 57890	SWX
159019		52891, 58736, 57891	SWX
159020		52892, 58737, 57892	SWX
159021		52893, 58738, 57893	SWX
159022		52894, 58739, 57894	SWX

159/1

Class 159 South Western Turbo Sprinter



SouthWestern Railways 159022 approaches Exeter St Davids with the service from Waterloo

Neil Thaler

Introduced	1989–1992

Number			Form	Note	Livery
159101	*158800*		52800, 58717, 57800		SWR
159102	*158803*	X	52803, 58703, 57803	Collison damage Salisbury 31/10/2021	
159103	*158804*		52804, 58704, 57804		SWR
159104	*158805*		52805, 58705, 57805		SWR
159105	*158807*		52807, 58707, 57807		SWR
159106	*158809*		52809, 58709, 57809		SWR
159107	*158811*		52811, 58711, 57811		SWR
159108	*158801*		52801, 58701, 57801		SWR

165

Class 165 Networker Turbo



The British Rail Class 165 Networker Turbo is a fleet of suburban diesel-hydraulic multiple unit passenger trains, originally specified by and built for the British Rail Thames and Chiltern Division of Network SouthEast.

They were built by BREL York Works between 1990 and 1992. An express version was subsequently built in the form of the Class 166 Networker Turbo Express trains. Both classes are now referred to as "Networker Turbos".

Builder	BREL Holgate
Introduced	1990–1992
Max Speed	75mph/90mph
Seats	186/288
Transmission	Voith T211rz
Formation	2-car units: DMCL-DMS 3-car units: DMCL-MS-DMS
Length	23.5m
Width	2.81m
Height	3.19m
Power	260 kW
Engine	Perkins 2006 TW-H (one per vehicle)
Brakes	Electro Pneumatic Discs

Number	Form	Livery
165001	58801, 58834	CRW
165002	58802, 58835	CRM

165003		58803, 58836	CRM
165004		58804, 58837	CRW
165005	*165050*	58805, 58838	CRM
165006		58806, 58839	CRM
165007		58807, 58840	CRM
165008		58808, 58841	CRM
165009		58809, 58842	CRM
165010		58810, 58843	CRW
165011		58811, 58844	CRW
165012		58812, 58845	CRM
165013		58813, 58846	CRM
165014		58814, 58847	CRM
165015		58815, 58848	CRW
165016		58816, 58849	CRM
165017		58817, 58850	CRM
165018		58818, 58851	CRM
165019		58819, 58852	CRM
165020		58820, 58853	CRM
165021		58821, 58854	CRM
165022		58822, 58855	CRW
165023		58873, 58867	CRM
165024		58874, 58868	CRW
165025		58875, 58869	CRW
165026		58876, 58870	CRW
165027		58877, 58871	CRM
165028		58878, 58872	CRW
165029		58823, 55404, 58856	CRM
165030		58824, 55405, 58857	CRW
165031		58825, 55406, 58858	CRM
165032		58826, 55407, 58859	CRW
165033		58827, 55408, 58860	CRW
165034		58828, 55409, 58861	CRW
165035		58829, 55410, 58862	CRM
165036		58830, 55411, 58863	CRW
165037		58831, 55412, 58864	CRM
165038		58832, 55413, 58865	CRW
165039		58833, 55414, 58866	CRM

Diesel Unit

165/1

Class 165 Networker Turbo



1O72 Reading to Gatwick Airport teminates at its destination

Neil Thaler

Introduced	1990–1992

Number		Form	Livery
165101		58953, 55415, 58916	GWU
165102		58954, 55416, 58917	GWU
165103		58955, 55417, 58918	GWU
165104		58956, 55418, 58919	GWU
165105		58957, 55419, 58920	GWU
165106		58958, 55420, 58921	GWU
165107		58959, 55421, 58922	GWU
165108		58960, 55422, 58923	GWU
165109		58961, 55423, 58924	GWU
165110		58962, 55424, 58925	GWU
165111		58963, 55425, 58926	GWU
165112		58964, 55426, 58927	GWU
165113		58965, 55427, 58928	GWU
165114		58966, 55428, 58929	GWU
165115 [1]	X	58967, 55429, 58930	NSE
165116		58968, 55430, 58931	GWU
165117		58969, 55431, 58932	GWU
165118		58879, 58933	GWU
165119 [2]		58880, 58934	GWU
165120 [3]		58881, 58935	GWU
165121		58882, 58936	GWU

Diesel Unit		
165122	58883, 58937	GWU
165123	58884, 58938	GWU
165124	58885, 58939	GWU
165125	58886, 58940	GWU
165126	58887, 58941	GWU
165127	58888, 58942	GWU
165128	58889, 58943	GWU
165129	58890, 58944	GWU
165130	58891, 58945	GWU
165131	58892, 58946	GWU
165132	58893, 58947	GWU
165133	58894, 58948	GWU
165134	58895, 58949	GWU
165135	58896, 58950	ANG
165136	58897, 58951	GWU
165137	58898, 58952	GWU

Notes
1: Scrapped following Ladbroke Grove Crash
2: Name: Norman Topsom MBE
3: Name: Roger Watkins THE GWR MASTER TRAIN PLANNER

166

Class 166 Networker Turbo



The British Rail Class 166 Networker Turbo is a fleet of diesel-hydraulic multiple unit passenger trains, built by ABB Transportation at their Holgate Road Works in York between

1992 and 1993. They were specified by and built for British Rail, the state-owned railway operator in Great Britain at the time.

The trains were designed as a faster, air-conditioned variant of the Class 165 Turbo, intended for longer-distance services, and, like the 165s, belong to the Networker family of trains.

Introduced	1992–1993
Builder	ABB York
Transmission	Voith T211rz
Max Speed	90mph
Formation	DMCL-MS-DMSL
Length	23.5m
Width	2.81m
Height	3.19m
Power	260 kW
Engine	Perkins 2006 TW-H (one per vehicle)
Brakes	Electro Pneumatic Discs

Number	Name	Form	Livery
166201		58101, 58601, 58122	GWU
166202		58102, 58602, 58123	GWU
166203		58103, 58603, 58124	FGW
166204	Norman Topsom MBE	58104, 58604, 58125	GWU
166205		58105, 58605, 58126	GWU
166206		58106, 58606, 58127	GWU
166207		58107, 58607, 58128	GWU
166208		58108, 58608, 58129	GWU
166209		58109, 58609, 58130	GWU
166210		58110, 58610, 58131	GWU
166211		58111, 58611, 58132	GWU
166212		58112, 58612, 58133	GWU
166213		58113, 58613, 58134	GWU
166214		58114, 58614, 58135	GWU
166215		58115, 58615, 58136	GWU
166216		58116, 58616, 58137	GWU
166217		58117, 58617, 58138	GWU
166218		58118, 58618, 58139	GWU
166219		58119, 58619, 58140	GWU
166220	Roger Watkins - The GWR Master Train Planner	58120, 58620, 58141	GWU
166221	Reading Train Care Depot	58121, 58621, 58142	GWU

168

Class 168 Clubman



John J Cordrey

The Class 168 Clubman is a British diesel-hydraulic multiple unit passenger train used on Chiltern Line services between London Marylebone and the West Midlands. The trains were built by Adtranz at the Derby Litchurch Lane Works in several batches from 1998.

The first batch was classified 168/0 under TOPS and resembled the Class 165 units previously built by BREL York. The Networker-design cab was an interim solution pending the design of a completely new cab for further Turbostar batches. Subsequent builds, subclassed as 168/1 and 168/2, were constructed at the same time as the Class 170 Turbostar and thus are part of the Turbostar family of trains.

Gauge	1435mm
Builder	Adtranz, Bombardier
Max Speed	100mph
Introduced	1998-2004
Length	23620mm x3 or x4
Width	2690mm
Height	3770mm
Engine	MTU 6R 183TD x3 or x4
Transmission	Voith Hydraulic T211rzze
Power	315kW per car
Seats	3-car: 204 / 4-car: 272

Number	Name	Form	Note	Livery

168001	Adrian Shooter CBE	58151, 58651, 58451, 58251	58151 was originally allocated no. 58143. 58451 carried no. 58656 between 2000 and 2002.	CRS
168002		58152, 58652, 58452, 58252	58452 carried no. 58657 between 2000 and 2002.	CRS
168003		58153, 58653, 58453, 58253	58453 carried no. 58658 between 2000 and 2002.	CRS
168004		58154, 58654, 58454, 58254	58454 carried no. 58659 between 2000 and 2002.	CRS
168005		58155, 58655, 58455, 58255	58455 carried no. 58660 between 2000 and 2002.	CRS

168/1

Class 168 Clubman



168110 heads through pouring rain on 1H21 Stratford Upon Avon to Marylebone

Neil Thaler

Number	Form	Note	Livery
168106	58156, 58756, 58456, 58257		CRS
168107	58157, 58757, 58457, 58257		CRS
168108	58158, 58458, 58258		CRS
168109	58159, 58459, 58259		CRS
168110	58160, 58460, 58260		CRS
168111	58161, 58461, 58261	58461 was originally allocated no. 58661.	CRS
168112	58162, 58462, 58262	58462 was originally allocated no. 58662.	CRS
168113	58163, 58463, 58263	58463 was originally allocated no. 58663.	CRS

168/2

Class 168 Clubman

Number	Form	Livery
168214	58164, 58464, 58264	CRS
168215	58165, 58365, 58465, 58265	CRS
168216	58166, 58366, 58466, 58266	CRS
168217	58167, 58367, 58467, 58267	CRS
168218	58168, 58468, 58268	CRS
168219	58169, 58469, 58269	CRS

Diesel Unit

168/3

Class 168 Clubman



168324 at Birmingham Moor Street

Neil Thaler

Gauge	1435mm
Builder	Adtranz, Bombardier

Number		Form	Note	Livery
168321	*170301*	50301, 79301	Converted from 170301.	CRS
168322	*170302*	50302, 79302	Converted from 170302.	CRS
168323	*170303*	50303, 79303	Converted from 170303.	CRS
168324	*170304*	50304, 79304	Converted from 170304.	CRS
168325	*170305*	50305, 79305	Converted from 170305.	CRS
168326	*170306*	50306, 79306	Converted from 170306.	CRS
168327	*170307*	50307, 79307	Converted from 170307.	CRS
168328	*170308*	50308, 79308	Converted from 170308.	CRS
168329	*170309, 170399*	50399, 79399	Converted from 170309.	HFX

170



170116 at Barton Under Needwood

Dan Cardwell

Turbostar

Built by Adtranz and Bombardier in Derby. They are developed from the Class 165 and 166.

Introduced	1998-2005
Builder	Adtranz, Bombardier
Power	315kw per car
Transmission	Voith T211rzze
Max Speed	100mph

Number	Form	Livery
170101	50101, 55101, 79101	NXC
170102	50102, 55102, 79102	AXC
170103	50103, 55103, 79103	NXC
170104	50104, 55104, 79104	NXC
170105	50105, 55105, 79105	AXC
170106	50106, 55106, 79106	NXC
170107	50107, 55107, 79107	AXC
170108	50108, 55108, 79108	AXC
170109	50109, 55109, 79109	AXC
170110	50110, 55110, 79110	AXC
170111	50111, 79111	AXC
170112	50112, 79112	NXC
170113	50113, 79113	NXC
170114	50114, 79114	AXC
170115	50115, 79115	AXC

Diesel Unit		
170116	50116, 79116	AXC
170117	50117, 79117	AXC

170/2

Turbostar



2G48 0906 Cardiff Central to Cheltenham Spa 170208

Neil Thaler

Number	Form	Livery
170201	50201, 56201, 79201	EMRT
170202	50202, 52602, 79202	EMRT
170203	50203, 56203, 79203	EMRT
170204	50204, 56204, 79204	EMRT
170205	50205, 56205, 79205	EMRT
170206	50206, 56206, 79206	EMRI
170207	50207, 56207, 79207	EMRI
170208	50208, 56208, 79208	EMRI
170270	50270, 79270	EMRT
170271	50271, 79271	EMRT
170272	50272, 79272	EMRT
170273	50276, 79273	EMRT

Diesel Unit

170/3

Turbostar



170324 attracts a couple of keen travellers for it trip as 1L89 Edinburgh to Perth

Neil Thaler

Number		Form	Note	Livery
170301	*168321*	50301, 79301	Converted from 170301.	CRS
170302	*168322*	50302, 79302	Converted from 170302.	CRS
170303	*168323*	50303, 79303	Converted from 170303.	CRS
170304	*168324*	50304, 79304	Converted from 170304.	CRS
170305	*168325*	50305, 79305	Converted from 170305.	CRS
170306	*168326*	50306, 79306	Converted from 170306.	CRS
170307	*168327*	50307, 79307	Converted from 170307.	CRS
170308	*168328*	50308, 79308	Converted from 170308.	CRS
170309	*168329, 170399*	50399, 79399	Converted from 170309.	HFX
170393		50393, 56393, 79393		ASR
170394		50394, 56394, 79394		ASR
170395		50395, 56395, 79395		ASR
170396		50396, 56396, 79396		ASR
170397		50397, 56397, 79397		AXC

170398	50398, 56398, 79398	AXC

170/4

Turbostar



170458 at Leeds

Dan Cardwell

Number	Name	Form	Livery
170401	Sir Moir Lockhead OBE**	50401, 56401, 79401	ASR
170402		50402, 56402, 79402	ASR
170403		50403, 56403, 79403	ASR
170404		50404, 56404, 79404	ASR
170405	Riverside Museum**	50405, 56405, 79405	ASR
170406		50406, 56406, 79406	ASR
170407	UNIVERSITY OF ABERDEEN**	50407, 56407, 79407	044
170408		50408, 56408, 79408	ASR
170409		50409, 56409, 79409	ASR
170410		50410, 56410, 79410	ASR
170411		50411, 56411, 79411	ASR
170412		50412, 56412, 79412	ASR
170413		50413, 56413, 79413	ASR
170414		50414, 56414, 79414	ASR
170415		50415, 56415, 79415	ASR
170416		50416, 56416, 79416	EMRT
170417	The Key Worker	50417, 56417, 79417	EMRT
170418		50418, 56418, 79418	EMRT

170419				50419, 56419, 79419	EMRT
170420				50420, 56420, 79420	EMRT
170421 [1]		*171201*	S	50421, 56421, 79421	SOU
170422 [2]		*171401, 170922*		50422, 56422, 79422	EMRT
170423 [3]		*171202, 170923*		50423, 56423, 79423	EMRT
170424 [4]		*171402, 170924*		50424, 56424, 79424	EMRT
170425				50425, 56425, 79425	ASR
170426				50426, 56426, 79426	ASR
170427				50427, 56427, 79427	ASR
170428				50428, 56428, 79428	ASR
170429				50429, 56429, 79429	ASR
170430				50430, 56430, 79430	ASR
170431				50431, 56431, 79431	ASR
170432				50432, 56432, 79432	ASR
170433	Investor in People**			50433, 56433, 79433	ASR
170434				50434, 56434, 79434	ASR
170450				50450, 56450, 79450	ASR
170451				50451, 56451, 79451	ASR
170452				50452, 56452, 79452	ASR
170453				50453, 56453, 79453	NRP
170454				50454, 56454, 79454	NRP
170455				50455, 56455, 79455	NRP
170456				50456, 56456, 79456	NRP
170457				50457, 56457, 79457	NRP
170458				50458, 56458, 79458	NRP
170459				50459, 56459, 79459	NRP
170460				50460, 56460, 79460	NRP
170461				50461, 56461, 79561	NRP
170470				50470, 56470, 79470	ASR
170471				50471, 56471, 79471	ASR
170472				50472, 56472, 79472	NRP
170473				50473, 56473, 79473	NRP
170474				50474, 56474, 79474	NRP
170475				50475, 56475, 79475	NRP
170476				50476, 56476, 79476	NRP
170477				50477, 56477, 79477	NRP
170478				50478, 56478, 79478	NRP

Diesel Unit

Notes
1: was Class 171 for Southern, no. 171201.
2: was Class 171 for Southern, no. 171401
3: was Class 171 for Southern, no. 171202.
4: was Class 171 for Southern, no. 171402.

170/5

Turbostar



170515 at Attenborough

Dan Cardwell

Number	Form	Note	Livery
170501	50501, 79501		EMRT
170502	50502, 79502		EMRT
170503	50503, 79503		EMRT
170504	50504, 79504		EMRT
170505	50505, 79505		EMRT
170506	50506, 79506		EMRT
170507	50507, 59507		EMRT
170508	50508, 59508		EMRT
170509	50509, 59509		EMRT
170510	50510, 59510		EMRT
170511	50511, 59511		EMRT
170512	50512, 59512		EMRT
170513	50513, 59513		EMRT
170514	50514, 59514		EMRT
170515	50515, 59515		EMRT
170516	50516, 59516		EMRT

170517		50517, 59517		EMRT
170530	*170630*	50630, 79630		EMRT
170531	*170631*	50631, 79631		EMRT
170532	*170632*	50632, 79632	Reformed as 2 car	EMRT
170533	*170633*	50633, 79633	Reformed as 2 car	EMRT
170534	*170634*	50634, 79634		EMRT
170535	*170635*	50635, 79635	Reformed as 2 car	EMRT

170/6

Turbostar



170637 at Melton Mowbray

Dan Cardwell

Number		Form	Livery
170618	*170518*	50518, 56630, 79518	AXC
170619	*170519*	50519, 56631, 79519	AXC
170620	*170520*	50520, 56632, 79520	AXC
170621	*170521*	50521, 56633, 79521	AXC
170622 [(1)]	*170522*	50522, 56634, 79522	AXC
170623	*170523*	50523, 56635, 79523	AXC
170636		50636, 56636, 79636	AXC
170637		50637, 56637, 79637	AXC
170638		50638, 56638, 79638	AXC
170639		50639, 56639, 79639	AXC

Notes

1: Name: PRIDE OF LEICESTER

171

Turbostar



Paul Furse

Turbostar

Exactly the same as the Class 170's, except for the coupler. This is a Deliner type, which allows the class to be used with third rail electric Class 377's on non electric lines in emergency situations. They were built in Derby.

those ex class 171/2

Introduced	2003–2004
Builder	Bombardier
Transmission	Voith T211rzze
Max Speed	100mph
Seats	107 2 car/241 former 4 car
Power	315kW per engine

Number			Form	Livery
171201	*170421*		50421, 56421, 79421	SOU
171202	*170423*	N	50423, 56423, 79423	SOU

171/4

Turbostar



171401 at Hurst Green

Neil thaler

This is a ex class 171/4 Subclass

Number			Form	Livery
171401	*170422*	N	50422, 56422, 79422	SOU
171402	*170424*	N	50424, 56424, 79424	SOU

171/7

Turbostar



171728 forms the front set of 1E29 London Bridge to Uckfield

Neil Thaler

Number	Form	Note	Livery

Diesel Unit

171721	*170721*	N	50721, 79721	Reformed as 171807	SOU
171722	*170722*	N	50722, 79722	Reformed as 171808	SOU
171723	*170723*	N	50723, 79723	Reformed as 171809	SOU
171724	*170724*	N	50724, 79724	Reformed as 171810	SOU
171725	*170725*	N	50725, 79725	Reformed as 171811	SOU
171726	*170726*	N	50726, 79726	Reformed as 171812	SOU
171727	*170727*		50727, 79727		SOU
171728	*170728*		50728, 79728		SOU
171729	*170729*		50729, 79729		SOU
171730	*170392*		50392, 79392		SOU

171/8

Turbostar



171806 att Selhurst Depot

Neil Thaler

Number	Form	Note	Livery
171801	50801, 54801, 79801		SOU
171802	50802, 54802, 79802		SOU
171803	50803, 54803, 79803		SOU
171804	50804, 54804, 79804		SOU
171805	50805, 54805, 79805		SOU
171806	50806, 54806, 79806		SOU
171807	79721, 56806, 50721	Reformed from 171721	SOU
171808	79722, 56804, 50722	Reformed from 171722	SOU

Diesel Unit

171809	79723, 56802, 50723	Reformed from 171723	SOU
171810	79724, 56805, 50724	Reformed from 171724	SOU
171811	79725, 56803, 50725	Reformed from 171725	SOU
171812	79726, 56801, 50726	Reformed from 171726	SOU

172

Turbostar



John J Cordrey

Turbostar

Built at Derby by Bombardier. For use on inner suburban services

Introduced	2010
Builder	Bombardier
Power	350kW
Transmission	ZF Ecomat HP 902 R
Max Speed	172/0 75mph Other variants 100mph

Number	Form	Livery
172001	59311, 59411	WM1
172002	59312, 59412	WM1
172003	59313, 59413	WM1
172004	59314, 59414	WM1
172005	59315, 59415	WM1
172006	59316, 59416	WM1
172007	59317, 59417	WM1
172008	59318, 59418	WM1

Diesel Unit

172/1

Turbostar

Built at Derby by Bombardier. For use on inner suburban services

Number	Form	Livery
172101	59111, 59211	WM1
172102	59112, 59212	WM1
172103	59113, 59213	WM1
172104	59114, 59214	WM1

172/2

Turbostar

Built at Derby by Bombardier. For use on inner suburban services

Number	Form	Livery
172211	50211, 79211	WM1
172212	50212, 79212	WM1
172213	50213, 79213	WM1
172214	50214, 79214	WM1
172215	50215, 79215	WM1
172216	50216, 79216	WM1
172217	50217, 79217	WM1
172218	50218, 79218	WM1
172219	50219, 79219	WM1
172220	50220, 79220	WM1
172221	50221, 79221	WM1
172222	50222, 79222	WM1

Diesel Unit

172/3

Turbostar



172342 arrives at Stratford Upon Avon and will form 2K58 Stratford Upon Avon to Kidderminster.

Neil Thaler

Built at Derby by Bombardier. For use on inner suburban services

Number	Form	Livery
172331	50331, 56331, 79331	WM2
172332	50332, 56332, 79332	WM1
172333	50338, 56333, 79333	WM2
172334	50334, 56334, 79334	WM2
172335	50335, 56335, 79335	WM1
172336	50336, 56336, 79336	WM1
172337	50337, 56337, 79337	WM1
172338	50333, 56338, 79338	WM1
172339	50339, 56339, 79339	WM1
172340	50340, 56340, 79340	WM1
172341	50341, 56341, 79341	WM1
172342 [(1)]	50342, 56342, 79342	WM1
172343	50343, 56343, 79343	WM1
172344	50344, 56344, 79344	WM1
172345	50345, 56345, 79345	WM1

Notes

1: Name: Roger Sumner

175

Coradia



Built by Alstom in Birmingham. Part of the 1000 family.

Transferred to GWR for use on Devon and Cornwall routes.

Introduced	1999-2000
Builder	Alstom
Power	340kW
Transmission	Voith T211re 3
Max Speed	100mph
Seats	136 per 2 car unit
Formation	DMSL-DMSL

Number	Name		Form	Livery
175001		A	50701, 79701	TFW
175002		A	50702, 79702	TFW
175003	Eisteddfod Genedlaethol Cymru**	A	50703, 79703	TFW
175004	MENCAP National Colleges Pengwern College**	A	50759, 79759	TFW
175005		S	59751, 79705	TFW
175006	Brondyffryn Trust**	A	50706, 79765	TFW
175007		A	50707, 79707	TFW
175008 (1)	Valhalla Blackpool Pleasure Beach**	X	50751, 79708	TFW
175009		A	50709, 79709	TFW
175010		T	50710, 79710	TFW

Diesel Unit			
175011	A	50711, 79711	TFW

Notes
1: Fire Damaged 2023 - currently formed of 50751 + 79708

175/1

Coradia



175113 arrives at Crewe with 1V38 0931 Manchester Piccadilly to Carmarthen

Neil Thaler

Introduced	1999-2001
Seats	190 per 3 car unit
Power	340kW
Transmission	Voith T211re 3
Max Speed	100mph
Formation	DMSL-MSL-DMSL

Number	Name		Form	Livery
175101 [(1)]		A	50708, 56751, 79704	TFW
175102		S	50752, 56752, 79752	TFW
175103	Mum**	S	50753, 56753, 79753	GWU
175104		S	50754, 56754, 79754	TFW
175105		S	50755, 56755, 79755	TFW
175106		S	50756, 56756, 79756	TFW
175107	CORONATION ST. ROVERS RETURN**	S	50757, 56757, 79757	TFW
175108		S	50758, 56758, 79758	TFW
175109		S	50704, 56759, 79705	TFW
175110		S	50760, 56760, 79760	GWU
175111	BRIEF ENCOUNTER**	A	50761, 56761, 79761	TFW

Diesel Unit

175112	South Lakes Wild Animal Park SUMATRAN TIGER**	A	50762, 56762, 79762	TFW
175113		A	50763, 56763, 79763	TFW
175114	Commonwealth Cruiser**	A	50764, 56764, 79764	TFW
175115		A	50765, 56576, 79706	TFW
175116	Peter V L Jones, Community Rail Officer**	A	50766, 56766, 79766	TFW

Notes
1: Currently formed of 50708 + 56751 + 79704

180

Adelante



Adelante

Built in Birmingham by Alstom. Part of the Coradia 1000 family.

Introduced	2000–2001
Builder	Alstom
Power	559kW
Transmission	Voith T312bre
Max Speed	125mph
Seats	287

Number	Name	Form	Livery
180101		50901, 54901, 55901, 56901, 59901	GTO
180102		50902, 54902, 55902, 56902, 59902	GTO

180103			50903, 54903, 55903, 56903, 59903	GTO
180104			50904, 54904, 55904, 56904, 59904	GTO
180105	THE YORKSHIRE ARTIST ASHLEY JACKSON		50905, 54905, 55905, 56905, 59905	GTO
180106			50906, 54906, 55906, 56906, 59906	GTO
180107	HART OF THE NORTH		50907, 54907, 55907, 56907, 59907	GTO
180108	William Shakespeare		50908, 54908, 55908, 56908, 59908	GTO
180109		S	50909, 54909, 55913, 56909, 59909	EMRR
180110		S	50910, 54910, 55910, 56910, 59910	EMRR
180111	Hull Trains City of Culture	S	50911, 54911, 55911, 56911, 59911	EMRR
180112	JAMES HERRIOT		50912, 54912, 55912, 56912, 59912	GTO
180113		S	50913, 54913, 55909, 56913, 59913	EMRR
180114	KIRKGATE CALLING		50914, 54914, 55914, 56914, 59914	GTO

185

Desiro



MRG

Desiro

Built in Germany by Siemens. Replaced Class 158/175 for TransPennine.

Formation	3 cars per unit
Introduced	2005–2006
Builder	Siemens
Power	561kW per engine
Transmission	Voith T312bre
Max Speed	100mph
Seats	169

Number	Form	Livery
185101 [(1)]	51101, 53101, 54101	TPE
185102	51102, 53102, 54102	TPE
185103	51103, 53103, 54103	TPE
185104	51104, 53104, 54104	TPE
185105	51105, 53105, 54105	TPE
185106	51106, 53106, 54106	TPE
185107	51107, 53107, 54107	TPE
185108	51108, 53108, 54108	TPE
185109	51109, 53109, 54109	TPE
185110	51110, 53110, 54110	TPE

Diesel Unit		
185111 [2]	51111, 53111, 54111	TPE
185112	51112, 53112, 54112	TPE
185113 [3]	51113, 53113, 54113	TPE
185114	51114, 53114, 54114	TPE
185115	51115, 53115, 54115	TPE
185116 [4]	51116, 53116, 54116	TPE
185117	51117, 53117, 54117	TPE
185118	51118, 53118, 54118	TPE
185119	51119, 53119, 54119	TPE
185120	51120, 53120, 54120	TPE
185121	51121, 53121, 54121	TPE
185122	51122, 53122, 54122	TPE
185123	51123, 53123, 54123	TPE
185124	51124, 53124, 54124	TPE
185125	51125, 53125, 54125	TPE
185126	51126, 53126, 54126	TPE
185127	51127, 53127, 54127	TPE
185128	51128, 53128, 54128	TPE
185129	51129, 53129, 54129	TPE
185130	51130, 53130, 54130	TPE
185131	51131, 53131, 54131	TPE
185132	51132, 53132, 54132	TPE
185133	51133, 53133, 54133	TPE
185134	51134, 53134, 54134	TPE
185135	51135, 53135, 54135	TPE
185136	51136, 53136, 54136	TPE
185137	51137, 53137, 54137	TPE
185138	51138, 53138, 54138	TPE
185139	51139, 53139, 54139	TPE
185140	51140, 53140, 54140	TPE
185141	51141, 53141, 54141	TPE
185142	51142, 53142, 54142	TPE
185143	51143, 53143, 54143	TPE
185144	51144, 53144, 54144	TPE
185145	51145, 53145, 54145	TPE
185146 [5]	51146, 53146, 54146	TPE
185147	51147, 53147, 54147	TPE
185148	51148, 53148, 54148	TPE
185149	51149, 53149, 54149	TPE
185150	51150, 53150, 54150	TPE
185151	51151, 53151, 54151	TPE

Diesel Unit

Notes
1: Refurbished.
2: Victoria Cross Heroes vinyls.
3: Name: Hull Paragon 175 Years
4: Bee in Summer vinyls
5: Super Hero Day vinyls.

195

Civity



MRG

Part of the Civity family. Built by CAF and is virtually the same as the Class 331 electric units.

Introduced	2019-2022
Builder	CAF
Power	390kW per engine
Transmission	ZF Ecolife
Max Speed	100mph
Seats	124/204
Engine	Rolls-Royce MTU 6H 1800 R85L per car
Formation	DMSL-DMS

Number	Form	Livery
195001	101001, 103001	NRP
195002 [(1)]	101002, 103002	NRP
195003	101003, 103003	NRP
195004	101004, 103004	NRP

Diesel Unit		
195005	101005, 103005	NRP
195006	101006, 103006	NRP
195007	101007, 103007	NRP
195008	101008, 103008	NRP
195009	101009, 103009	NRP
195010	101010, 103010	NRP
195011	101011, 103011	NRP
195012	101012, 103012	NRP
195013	101013, 103013	NRP
195014	101014, 103014	NRP
195015	101015, 103015	NRP
195016	101016, 103016	NRP
195017	101017, 103017	NRP
195018	101018, 103018	NRP
195019	101019, 103019	NRP
195020	101020, 103020	NRP
195021	101021, 103021	NRP
195022	101022, 103022	NRP
195023	101023, 103023	NRP
195024	101024, 103024	NRP
195025	101025, 103025	NRP

Notes

1: Name: Super League 30 Sustainable Transport Partner

Diesel Unit

195/1

Civity



195113 at York

Neil Thaler

Part of the Civity family. Built by CAF and is virtually the same as the Class 331 electric units.

Formation	DMSL-MS-DMS

Number	Name		Form	Livery
195101			101101, 102101, 103101	NRP
195102			101102, 102102, 103102	NRP
195103			101103, 102103, 103103	NRP
195104	Deva Victrix	S	101104, 102104, 103104	NRP
195105	Northern Powerhouse**		101105, 102105, 103105	NRP
195106			101106, 102106, 103106	NRP
195107 [(1)]	Rob Burrow CBE		101107, 102107, 103107	NRP
195108			101108, 102108, 103108	NRP
195109	Pride of Cumbria		101109, 102109, 103109	NRP
195110			101110, 102110, 103110	NRP
195111	Key Worker		101111, 102111, 103111	NRP
195112			101112, 102012, 103112	NRP
195113			101113, 102113, 103113	NRP
195114			101114, 102114, 103114	NRP
195115			101115, 102115, 103115	NRP
195116	Proud To Be Northern		101116, 102116, 103116	NRP
195117			101117, 102117, 103117	NRP
195118			101118, 102118, 103118	NRP
195119			101119, 102119, 103119	NRP
195120			101120, 102120, 103120	NRP

Diesel Unit			
195121		101121, 102121, 103121	NRP
195122		101122, 102122, 103122	NRP
195123		101123, 102123, 103123	NRP
195124		101124, 102124, 103124	NRP
195125		101125, 102125, 103125	NRP
195126	Peak District 75	101126, 102126, 103126	NRP
195127		101127, 102127, 103127	NRP
195128	Calder Champion	101128, 102128, 103128	NRP
195129		101129, 102129, 103129	NRP
195130		101130, 102130, 103130	NRP
195131		101131, 102131, 103131	NRP
195132		101132, 102132, 103132	NRP
195133		101133, 102133, 103133	NRP

Notes
1: "Journey of Strength" vinyls

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Civity



Crewe 23 October 2020

Phil Pollard

Owner for all is Core Link Infrastructure. Livery for all is West Midlands Orange & Brown.

Builder	CAF
Power	390kW per engine
Engine	Rolls-Royce MTU 6H 1800 R85L per car

Diesel Unit

Transmission	Mechanical
Max Speed	100mph
Seats	141
Livery	DMSL-MS
Introduced	2019–2022

Number	Name		Form	Livery
196001	GRAISELEY WOLVES	A	121001, 124001	WM1
196002	Jess Carter	A	121002, 124002	WM1
196003		A	121003, 124003	WM1
196004	SIR EDWARD ELGAR	A	121004, 124004	WM1
196005		A	121005, 124005	WM1
196006		A	121006, 124006	WM1
196007		A	121007, 124007	CRB
196008		A	121008, 124008	WM1
196009		A	121009, 124009	CRB
196010		A	121010, 124010	WM1
196011		A	121011, 124011	CRB
196012		A	121012, 124012	CRB

196/1

Civity



196107 at the Newly opened Willenhall Station

Neil Thaler

Owner for all is Core Link Infrastructure. Livery for all is West Midlands Orange & Brown.

Diesel Unit

Builder	CAF
Power	390kW per engine
Engine	Rolls-Royce MTU 6H 1800 R85L per car
Transmission	Mechanical
Max Speed	100mph
Formation	DMSL-MS-MSL-DMS
Seats	311

Number	Name		Form	Livery
196101	Charles Darwin	A	121101, 122101, 123101, 124101	WM1
196102	The Shropshire Flyer	A	121102, 122102, 123102, 124102	WM1
196103		A	121103, 122103, 123103, 124103	WM1
196104		A	121104, 122104, 123104, 124104	WM1
196105		A	121105, 122105, 123105, 124105	WM1
196106		A	121106, 122106, 123106, 124106	WM1
196107		A	121107, 122107, 123107, 124107	WM1
196108		A	121108, 122108, 123108, 124108	WM1
196109		A	121109, 122109, 123109, 124109	WM1
196110		A	121110, 122110, 123110, 124110	WM1
196111		A	121111, 122111, 123111, 124111	WM1
196112		A	121112, 122112, 123112, 124112	WM1
196113		A	121113, 122113, 123113, 124113	WM1
196114		A	121114, 122114, 123114, 124114	WM1

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Civity



MRG

2 car units

Builder	CAF
Formation	DMSL-DMS
Introduced	2020-2024
Power	2 car 750 kW
Max Speed	100mph
Seats	2 car 116
Transmission	ZF EcoLife hydromechanical
Length	2-car: 48.05 m (157 ft 8 in)

Number	Name		Form	Livery
197001	ROBIN GOCH PHILADELPHIA/PHILADELPHIA ROBIN	A	131001, 133001	TFW
197002		A	131002, 133002	TFW
197003		A	131003, 133003	TFW
197004	DDRAIG GOCH VANCOUVER/VANCOUVER RED DRAGON	A	131004, 133004	TFW
197005		A	131005, 133005	TFW
197006		A	131006, 133006	TFW

197007	Happy Valley	A	131007, 133007	TFW
197008		A	131008, 133008	TFW
197009	Pier Penarth / Penarth Pier	A	131009, 133009	TFW
197010		A	131010, 133010	TFW
197011		A	131011, 133010	TFW
197012		A	131012, 133012	TFW
197013		A	131013, 133013	TFW
197014		A	131014, 133014	TFW
197015		A	131015, 133015	TFW
197016		A	131016, 133016	TFW
197017		A	131017, 133017	TFW
197018		A	131018, 133018	TFW
197019		A	131019, 133019	TFW
197020		A	131020, 133020	TFW
197021		A	131021, 133021	TFW
197022		A	131022, 133022	TFW
197023		A	131023, 133023	TFW
197024		A	131024, 133024	TFW
197025		A	131025, 133025	TFW
197026		A	131026, 133026	TFW
197027		A	131027, 133027	TFW
197028		A	131028, 133028	TFW
197029		A	131029, 133029	TFW
197030		A	131030, 133030	TFW
197031		A	131031, 133031	TFW
197032		A	131032, 133032	TFW
197033		A	131033, 133033	TFW
197034		A	131034, 133034	TFW
197035		A	131035, 133035	TFW
197036		A	131036, 133036	TFW
197037		A	131037, 133037	TFW
197038		A	131038, 133038	TFW
197039		A	131039, 133039	TFW
197040		A	131040, 133040	TFW
197041		A	131041, 133041	TFW
197042		A	131042, 133042	TFW
197043		A	131043, 133043	TFW
197044		A	131044, 133044	TFW
197045		A	131045, 133045	TFW
197046		A	131046, 133046	TFW
197047		A	131047, 133047	TFW
197048		A	131048, 133048	TFW

Diesel Unit

197049	Castell Caeriw Cyflym/Carew Castle Express	A	131049, 133049	TFW
197050		A	131050, 133050	TFW
197051		A	131051, 133051	TFW

197/1

Civity



197126 at Chester with the 1H84 Llnadudno to Manchester Airport

Neil Thaler

On order for TFW.

3 car units

Formation	DMSL-MSL-DMC
Builder	CAF
Power	3 car 1,125 kW
Introduced	2022
Max Speed	100mph
Seats	3 car either 174 or 188
Transmission	ZF EcoLife hydromechanical
Length	3-car: 71.40 m (234 ft 3 in)
Engine	Rolls-Royce MTU 6H 1800 R85L per car

Number	Name		Form	Livery
197101		A	131101, 132101, 133101	TFW
197102		A	131102, 132102, 133102	TFW
197103		A	131103, 132103, 133103	TFW
197104		A	131104, 132104, 133104	TFW
197105		A	131105, 132105, 133105	TFW
197106		A	131106, 132106, 133106	TFW
197107		A	131107, 132107133107	TFW
197108		A	131108, 132108, 133108	TFW

197109		A	131109, 132109, 133109	TFW
197110		A	131110, 132110, 133110	TFW
197111	Segontiwm	A	131111, 132111, 133111	TFW
197112		A	131112, 132112, 133112	TFW
197113		A	131113, 132113, 133113	TFW
197114	Y Porthmon	A	131114, 132114, 133114	TFW
197115		A	131115, 132115, 133115	TFW
197116		A	131116, 132116, 133116	TFW
197117		A	131117, 132117, 133117	TFW
197118	Afanc	A	131118, 132118, 133118	TFW
197119	Mistar Urdd	A	131119, 132119, 133119	TFW
197120		A	131120, 132120, 133120	TFW
197121		A	131121, 132121, 133121	TFW
197122		A	131122, 132122, 133122	TFW
197123	Afon Dyfrdwy	A	131123, 132123, 133123	TFW
197124		A	131124, 132124, 133124	TFW
197125	The Cheltenham Spa Express	A	131125, 132125, 133125	TFW
197126		A	131126, 132126, 133126	TFW

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Voyager



220005 at Bournemouth on 15/01/25

Mark Herbert

Introduced to replace InterCity 125's. Built in Belgium by Bombardier. Voyager class.

Formation	4 cars per unit

Diesel Unit

Introduced	2000–2001
Builder	Bombardier
Engine	4 x Cummins QSK 19-R
Max Speed	125mph
Seats	200

Number	Name	Form	Livery
220001	Somerset Voyager** Maiden Voyager**	60301, 60701, 60201, 60401	AXC
220002	Forth Voyager**	60302, 60702, 60202, 60402	AXC
220003	Solent Voyager**	60303, 60703, 60203, 60403	NXC
220004	Cumbrian Voyager** New Dawn**	60304, 60704, 60204, 60404	NXC
220005	Guildford Voyager**	60305, 60705, 60205, 60405	AXC
220006	Clyde Voyager**	60306, 60706, 60206, 60406	AXC
220007	Thames Voyager**	60307, 60707, 60207, 60407	NXC
220008	Welsh Dragon**	60308, 60708, 60208, 60408	NXC
220009	Gatwick Voyager**, Hixon January 6th 1968**	60309, 60709, 60209, 60409	NXC
220010	Ribble Voyager**	60310, 60710, 60210, 60410	AXC
220011	Tyne Voyager**	60311, 60711, 60211, 60411	AXC
220012	Lanarkshire Voyager**	60312, 60712, 60212, 60412	NXC
220013	South Wales Voyager**	60313, 60713, 60213, 60413	NXC
220014	South Yorkshire Voyager**	60314, 60714, 60214, 60414	AXC
220015	Solway Voyager**	60315, 60715, 60215, 60415	AXC
220016	Midland Voyager**, VOYAGER 20	60316, 60716, 60216, 60416	NXC
220017	Bombardier Voyager**	60317, 60717, 60217, 60417	AXC
220018	Dorset Voyager** Central News**	60318, 60718, 60218, 60418	AXC
220019	Mersey Voyager**	60319, 60719, 60219, 60419	AXC
220020	Wessex Voyager**	60320, 60720, 60220, 60420	AXC
220021	Staffordshire Voyager** Blackpool Voyager**	60321, 60721, 60221, 60421	AXC
220022	Brighton Voyager**	60322, 60722, 60222, 60422	AXC
220023	Mancunian Voyager**	60323, 60723, 60223, 60423	AXC
220024	Sheffield Voyager**	60324, 60724, 60224, 60424	AXC
220025	Severn Voyager** Virgin Voyager**	60325, 60725, 60225, 60425	AXC
220026	Stagecoach Voyager**	60326, 60726, 60226, 60426	AXC
220027	Avon Voyager**	60327, 60727, 60227, 60427	AXC
220028	Black Country Voyager**	60328, 60728, 60228, 60428	AXC
220029	Cornish Voyager**	60329, 60729, 60229, 60429	NXC

220030	Devon Voyager**	60330, 60730, 60230, 60430	AXC
220031	Tay Voyager**	60331, 60731, 60231, 60431	NXC
220032	Grampian Voyager**	60332, 60732, 60232, 60432	AXC
220033	Fife Voyager**	60333, 60733, 60233, 60433	AXC
220034	Yorkshire Voyager**	60334, 60734, 60234, 60434	AXC

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Super Voyager



Super Voyager.

Tilting DMU, built in Bruges and Wakefield.

Formation	4 and 5 car units
Introduced	2001–2002
Builder	Bombardier
Power	559kW per engine
Max Speed	125mph
Seats	186/246

Number	Name		Form	Livery
221101	101 Squadron Louis Blériot**	S	60351, 60951, 60851, 60751, 60451	WHT
221102	John Cabot**	S	60352, 60952, 60852, 60752, 60452	AMVT
221103	Christopher Columbus**	S	60353, 60953, 60853, 60753, 60453	AMVT

221104	Sir John Franklin**	S	60354, 60954, 60854, 60754, 60454	AMVT
221105	William Baffin**	S	60355, 60955, 60855, 60755, 60455	AMVT
221106	Willem Barents**	S	60356, 60956, 60856, 60756, 60456	AMVT
221107	Sir Martin Frobisher**		60357, 60757, 60957, 60857, 60457	AXC
221108	Sir Ernest Shackleton**	A	60358, 60758, 60958, 60858, 60458	AXC
221109	Marco Polo**	A	60359, 60759, 60959, 60859, 60459	AXC
221110	James Cook**	A	60360, 60760, 60960, 60860, 60460	AXC
221111	Roald Amundsen**	A	60361, 60761, 60961, 60861, 60461	AXC
221112	Ferdinand Magellan**	A	60362, 60762, 60962, 60862, 60462	AXC
221113	Sir Walter Raleigh**	A	60363, 60763, 60963, 60863, 60463	AXC
221114	Royal Air Force Centenary 1918-2018 Sir Francis Drake**		60364, 60764, 60964, 60864, 60464	AXC
221115 [(1)]	Polmadie Depot**, Sir Francis Chichester**		60365, 60765, 60965, 60865, 60465	AMVT
221116	David Livingstone**, City of Bangor/Dinas Bangor**		60366, 60766, 60966, 60866, 60466	AMVT
221117	The Wrekin Giant Sir Henry Morton Stanley**	S	60367, 60967, 60867, 60767, 60467	AXC
221118	Mungo Park**	A	60368, 60968, 60868, 60768, 60468	AXC
221119	Amelia Earhart**		60369, 60769, 60969, 60869, 60469	AXC
221120	Amy Johnson**		60370, 60770, 60970, 60870, 60470	AXC
221121	Charles Darwin**		60371, 60771, 60971, 60871, 60471	AXC
221122	Doctor Who**		60372, 60772, 60972, 60872, 60472	AXC
221123	Henry Hudson**		60373, 60773, 60973, 60873, 60473	AXC
221124	Charles Lindbergh**		60374, 60774, 60974, 60874, 60474	AXC
221125	Henry the Navigator**		60375, 60775, 60975, 60875, 60475	AXC

Diesel Unit

221126	Captain Robert Scott**		60376, 60776, 60976, 60876, 60476	AXC
221127	Wright Brothers**		60377, 60777, 60977, 60877, 60477	AXC
221128	Captain John Smith**		60378, 60778, 60978, 60878, 60478	AXC
221129	George Vancouver**		60379, 60779, 60979, 60879, 60479	AXC
221130	Michael Palin**		60380, 60780, 60980, 60880, 60480	AXC
221131	Edgar Evans**		60381, 60781, 60981, 60881, 60481	AXC
221132 [2]	William Speirs Bruce**		60382, 60782, 60882, 60482	AXC
221133	Alexander Selkirk**		60383, 60783, 60983, 60883, 60483	AXC
221134	Mary Kingsley**		60384, 60784, 60984, 60884, 60484	AXC
221135	Donald Campbell**		60385, 60785, 60985, 60885, 60485	AXC
221136	Yuri Gagarin**		60386, 60786, 60886, 60486	AXC
221137	Mayflower Pilgrims**		60387, 60787, 60987, 60887, 60487	AXC
221138	Thor Heyerdahl**		60388, 60788, 60988, 60888, 60488	AXC
221139	Leif Eriksson**		60389, 60789, 60989, 60889, 60489	AXC
221140	Vasco Da Gama**		60390, 60790, 60890, 60490	AXC
221141	Amerigo Vespucci**		60391, 60791, 60991, 60491	AXC
221142	BOMBARDIER Voyager**, Matthew Flinders**	A	60392, 60992, 60994, 60792, 60492	AMVT
221143	Auguste Picard**	A	60393, 60993, 60794, 60793, 60493	GTO
221144	Prince Madoc**		60394, 60794, 60990, 60494	AXC

Notes

1: (Bombardier Green Planet vinyls)

2: Temp formation change with 60982 removed

222

Meridian



Paul Furse

Meridian class

Built in Belgium. Originally built as both 4 and 9 sets. Replaced InterCity 125 and 170's.

Although fitted with Deliner couplers the same as 220 and 221 units, they are incompatible with both classes.

Formation	5 and 7 car units
Introduced	2003–2005
Builder	Bombardier
Power	559kW
Engine	Cummins QSK 19-R
Max Speed	125mph

Number	Name		Form	Livery
222006	THE CARBON CUTTER	S	60246, 60447, 60626, 60566, 60166	EMRI
222007			60247, 60442, 60627, 60567, 60167	EMRI
222008	Derby Etches Park		60248, 60918, 60628, 60545, 60168	EMRI
222009			60249, 60919, 60629, 60557, 60169	EMRI
222010			60250, 60920, 60630, 60546, 60170	EMRI
222011	Sheffield City Battalion 1914-2014 (+decals)**		60251, 60921, 60631, 60531, 60171	EMRI

222012				60252, 60922, 60632, 60532, 60172	EMRI
222013				60253, 60923, 60633, 60533, 60173	EMRI
222014			S	60254, 60924, 60634, 60534, 60174	EMRI
222015	175 YEARS OF DERBY'S RAILWAYS 1839 - 2014			60255, 60925, 60635, 60535, 60175	EMRI
222016				60256, 60926, 60636, 60536, 60176	EMRI
222017	LIONS CLUB INTERNATIONAL CENTENARY 1917-2017**		S	60257, 60927, 60637, 60537, 60177	EMRI
222018				60258, 60928, 60638, 60444, 60178	EMRI
222019				60259, 60929, 60639, 60547, 60179	EMRI
222020				60260, 60930, 60640, 60543, 60180	EMRI
222021				60261, 60931, 60641, 60552, 60181	EMRI
222022	INVEST IN NOTTINGHAM			60262, 60932, 60642, 60542, 60182	EMRI
222023				60263, 60933, 60643, 60541, 60183	EMRI
222101				60271, 60571, 60681, 60555, 60191	EMRI
222102			S	60272, 60572, 60682, 60556, 60192	EMRI
222103				60273, 60443, 60573, 60683, 60193	EMRI
222104			O	60274, 60441, 60574, 60684, 60194	EMRM
222601	THE ENTREPRENEUR EXPRESS**	*222001*	A	60241, 60445, 60621, 60561, 60551, 60161	LUM2
222602	THE CUTLER'S COMPANY**	*222002*	A	60162, 60346, 60562, 60622, 60544, 60242	LUM2
222603	TORNADO**	*222003*	A	60163, 60446, 60563, 60623, 60553, 60243	LUM2
222604	CHILDREN'S HOSPITAL SHEFFIELD**	*222004*	A	60244, 60345, 60624, 60564, 60554, 60164	LUM2
222605		*222005*	A	60245, 60347, 60342, 60625, 60565, 60165	LUM2
60341			S		
60343			S		

60344	S

230



John J Cordrey

Conversion of ex London Transport D stock to DEMU

Builder	Vivarail
Introduced	2015–2022
Power	588kW
Max Speed	60mph

Number		Form	Note	Livery
230001 [1]	A	300001, 300201, 300101	Converted to fast charger battery unit	GWU
230002	E	300002, 300102	Battery powered unit. Exported to the U.S.A.	
230003	S	300003, 300103		LNG
230004	S	300004, 300104		LNG
230005	S	300005, 300105		LNG
230006	A	300006, 300206, 300106		TFW
230007	A	300007, 300207, 300107		TFW
230008	A	300008, 300208, 300108		TFW
230009	A	300009, 300209, 300109		TFW
230010	A	300010, 300210, 300110		TFW
230011	E		Exported to the U.S.A.	

Diesel Unit

Notes
1: Name: Viva Venturer

231

Flirt



231006 at Penarth

Neil Thaler

There are long-term plans to convert all the units into hybrid versions.

Builder	Stadler
Formation	4 cars per unit
Introduced	2021–2022
Engine	4 x Deutz 16-litre V8
Max Speed	90mph
Seats	170 + 36 tip up & 180 standing

Number	Name		Form	Livery
231001	Sultan	A	381001, 381201, 381401, 381301, 381101	TFW
231002		A	381002, 381202, 381402, 381302, 381102	TFW
231003		A	381003, 381203, 381403, 381303, 381103	TFW
231004	Maesteg Town Hall	A	381004, 381204, 381404, 381304, 381104	TFW
231005	Gavin & Stacey	A	381005, 381205, 381405, 381305, 381105	TFW
231006	Pen Pyrrod	A	381006, 381206, 381406, 381306, 381106	TFW
231007		A	381007, 381207, 381407, 381307, 381107	TFW

Diesel Unit				
231008		A	381008, 381208, 381408, 381308, 381108	TFW
231009	Parc Margam Park	A	381009, 381209, 381409, 381309, 381109	TFW
231010	Llyn Hendre Lake	A	381010, 381210, 381410, 381310, 381110	TFW
231011		A	381011, 381211, 381411, 381311, 381111	TFW

Dept

Departmental units



Paul Furse

Number	Name		Form	Note	Livery
121022 [1]	Flora	*977873, 55022, 960014, L122* P	55022	DMBS	CAR
121025 [2]	Pandora	*977859, 960011, L125, 55025* P	55025	DMBS	UUU
50222	Iris II				

Diesel Unit						
901001	Ultrasonic Test Train	*960001, 51433, 53167, 62483*	X	977391, 999602, 977392	Converted from class 101 numbers 51433 and 53167, and class 432 number 62483 (which survives as 999602)	
930010		*10843, DB975601, 975601*	X		Stores Vehicle DB975601	
930101		*65414, DB977609, 977609*	X			
930301		*60149, DB977940, 977940*	N	977940, 977939	Tractor Units for Sandite/De-Icing Unit (977364 & 977870 scrapped)	BRB
950001	Track Assessment Unit		A	999600, 999601	Track Assessment Unit	NRL
977693 [3]	Iris II	*53222, 50222*	P	901002	DMBS	GRN
977694 [4]	Iris II	*53338, 50338*	P	901002	DMC(L), DMCL	GRN
977941 [5]		*55012*	P		DMBS, Former route learning unit	GRN
977941		*55012*		55012	Route learning unit	

Notes
1: Locomotive Services, Crewe
2: Vale of Berkeley Railway
3: Plym Valley Railway
4: Plym Valley Railway
5: Weardale Railway

Electric Unit

313



Paul Furse

AC/DC.
313201-220 DC traction only as used on Southern Route only.

Length	60.83 m (199 ft 6 7⁄8 in)
Width	2.82 m (9 ft 3 in)
Height	3.58 m (11 ft 9 in)
Introduced	16 August 1976 - onwards
Builder	BREL York Works
Weight	104.5 tonnes (102.8 long tons)
Max Speed	75 mph (121 km/h) 30 mph (48 km/h) GN units on DC
System	25kV AC/750V DC 3rd Rail

Number	Name		Form	Note
313018		X	62546, 71230, 62610	
313024		X	62552, 71236, 62616	
313025		X	62553, 71237, 62617	
313026		X	62554, 71238, 62618	
313027		X	62555, 71239, 62619	
313028		X	62556, 71240, 62620	
313029		X	62557, 71241, 62621	
313030		X	62558, 71242, 62622	

313031			X	62559, 71243, 62623	
313032			X	62560, 71244, 62643	
313033			X	62561, 71245, 62625	
313035			X	62562, 71247, 62627	
313036			X	62564, 71248, 62628	
313037			X	62565, 71249, 62629	
313038			X	62566, 71250, 62630	
313039			X	62567, 71251, 62631	
313040			X	62568, 71252, 62632	
313041			X	62569, 71253, 62633	
313042			X	62570, 71254, 62634	
313043			X	62571, 71255, 62635	
313044			X	62572, 71256, 62636	
313045			X	62573, 71257, 62637	
313046			X	62574, 71258, 62638	
313047			X	62575, 71259, 62639	
313048			X	62576, 71260, 62640	
313049			X	62577, 71261, 62641	
313050			X	62578, 71262, 62649	
313051			X	62579, 71263, 62624	
313052			X	62580, 71264, 62644	
313053			X	62581, 71265, 62645	
313054	Captain William Leefe Robinson VC**		X	62582, 71266, 62646	
313055			X	62583, 71267, 62647	
313056			X	62584, 71268, 62648	
313057			X	62585, 71269, 62642	
313058			X	62586, 71270, 62650	
313059			X	62587, 71271, 62651	
313060			X	62588, 71272, 62652	
313061			X	62589, 71273, 62653	
313062			X	62590, 71274, 62654	
313063			X	62591, 71275, 62655	
313064			X	62592, 71276, 62656	
313121 [(1) (2)]	Pan Up Pete, Torrevieja	*313021*	P	62549, 71233, 62613	Converted to ERTMS Test Train
313122	Eric Roberts 1946-2012 "The Flying Nottsman"**	*313022*	X	62550, 71234, 62614	
313123		*313023*	X	62551, 71235, 62615	
313134	City of London	*313034*	X	62552, 71246, 62616	
313201 [(3) (4)]	Silvertown**	*313101, 313001*	P	62529, 71213, 62593	

Electric Unit

313202		*313102, 313002*	X	62530, 71214, 62594	Coastway Vinyls
313203		*313103, 313003*	X	62531, 71215, 62595	Coastway Vinyls
313204		*313104, 313004*	X	62532, 71216, 62596	Coastway Vinyls
313205		*313105, 313005*	X	62533, 71217, 62597	Coastway Vinyls
313206		*313106, 313006*	X	62534, 71218, 62598	Coastway Vinyls
313207		*313107, 313007*	X	62535, 71219, 62599	Coastway Vinyls
313208		*313108, 313008*	X	62536, 71220, 62600	Coastway Vinyls
313209	Arnold Leah**	*313109, 313009*	X	62537, 71221, 62601	Coastway Vinyls
313210		*313110, 313010*	X	62538, 71222, 62602	Coastway Vinyls
313211	London TravelWatch**	*313111, 313011*	X	62539, 71223, 62603	Coastway Vinyls
313212		*313112, 313012*	X	62540, 71224, 62604	Coastway Vinyls
313213		*313113, 313013*	X	62541, 71225, 62605	Coastway Vinyls
313214		*313114, 313014*	X	62542, 71226, 62606	Coastway Vinyls
313215		*313115, 313015*	X	62543, 71227, 62607	Coastway Vinyls
313216	Nikola Tesla**	*313116, 313016*	X	62544, 71228, 62608	Coastway Vinyls
313217		*313117, 313017*	X	62545, 71229, 62609	Coastway Vinyls
313219		*313119, 313019*	X	62547, 71231, 62611	Coastway Vinyls
313220	Parliament Hill**	*313120, 313020*	X	62548, 71232, 62612	

Notes
1: Fife Heritage Railway
2: Livery: NRL
3: Llanelli & Mynydd Mawr Railway
4: Livery: BLG

314



Number		Form	Note
314201	X	64583, 71450, 64584	
314202	X	64585, 71451, 64586	64585, 64586 to JR Adams, Govan- 71451 International Metal and Cables, Long Marston
314203 [1]	X	64587, 71452, 64588	64587/64588 JR Adams, Govan. 71452 International Metal and Cables, Long Marston
314204	X	64589, 71453, 64590	
314205	X	64591, 71454, 64592	64591, 64592 JR Adams, Govan. 71454 International Metal and Cables, Long Marston
314206	X	64593, 71455, 64594	
314207	X	64595, 71456, 64596	
314208	X	64597, 71457, 64598	
314210	X	64601, 71459, 64602	64601, 64602 to JR Adams, Govan. 71459 International Metal and Cables, Long Marston
314211	X	64603, 71460, 64604	
314212	X	64605, 71461, 64606	
314213	X	64607, 71462, 64608	

Electric Unit				
314214		X	64609, 71463, 64610	64609/64610 JR Adams, Govan. 71463 International Metal and Cables, Long Marston
314215		X	64611, 71464, 64612	64611/64612 JR Adams, Govan. 71464 International Metal and Cables, Long Marston
314216		X	64613, 71465, 64614	64613, 64614 to JR Adams Govan. 71465 International Metal and Cables, Long Marston
614209 [2] [3]	*314209*	N	64599, 71458, 64600	71458 removed, and remains converted to hydrogen unit 614209 2021, equipment since removed. Now used as a classroom

Notes
1: Name: European Union**
2: Gibsons Engineering, Springburn, Glasgow
3: Livery: FSS

315



Number	Name		Form
315801		X	64461, 71281, 71389, 64462
315802		X	64463, 71282, 71390, 64464

315803		X	64465, 71283, 71391, 64466
315804		X	64467, 71284, 71392, 64468
315805		X	64469, 71285, 71393, 64470
315806		X	64471, 71286, 71394, 64472
315807		X	64473, 71287, 71395, 64474
315808		X	64475, 71288, 71396, 64476
315809		X	64477, 71289, 71397, 64478
315810		X	64479, 71290, 71398, 64480
315811		X	64481, 71291, 71399, 64482
315812	London Borough of Newham Host Borough 2012 Olympics Bid	X	64483, 71292, 71400, 64484
315813		X	64485, 71293, 71401, 64486
315814		X	64487, 71294, 71402, 64488
315815		X	64489, 71295, 71403, 64490
315816		X	64491, 71296, 71404, 64492
315817	Transport for London	X	64493, 71297, 71405, 64494
315818		X	64495, 71298, 71406, 64496
315819		X	64497, 71299, 71407, 64498
315820		X	64499, 71300, 71408, 64500
315821		X	64501, 71301, 71409, 64502
315822		X	64503, 71302, 71410, 64504
315823		X	64505, 71303, 71411, 64506
315824		X	64507, 71304, 71412, 64508
315825		X	64509, 71305, 71413, 64510
315826		X	64511, 71306, 71414, 64512
315827		X	64513, 71307, 71415, 64514
315828		X	64515, 71308, 71416, 64516
315829	London Borough of Havering Celebrating 40 years**	X	64517, 71309, 71417, 64518
315830		X	64519, 71310, 71418, 64520
315831		X	64521, 71311, 71419, 64522
315832		X	64523, 71312, 71420, 64524
315833		X	64525, 71313, 71421, 64526
315834		X	64527, 71314, 71422, 64528
315835		X	64529, 71315, 71423, 64530
315836		X	64531, 71316, 71424, 64532
315837		X	64533, 71317, 71425, 64534
315838		X	64535, 71318, 71426, 64536
315839		X	64537, 71319, 71427, 64538
315840		X	64539, 71320, 71428, 64540
315841		X	64541, 71321, 71429, 64542
315842		X	64543, 71322, 71430, 64544
315843		X	64545, 71323, 71431, 64546

Electric Unit

315844		X	64547, 71324, 71432, 64548
315845	Herbie Woodward	X	64549, 71325, 71433, 64550
315846		X	64551, 71326, 71434, 64552
315847		X	64553, 71327, 71435, 64554
315848		X	64555, 71328, 71436, 64556
315849		X	64557, 71329, 71437, 64558
315850		X	64559, 71330, 71438, 64560
315851		X	64561, 71331, 71439, 64562
315852		X	64563, 71332, 71440, 64564
315853		X	64565, 71333, 71441, 64566
315854		X	64567, 71334, 71442, 64568
315855		X	64569, 71335, 71443, 64570
315856 (1) (2) (3)		P	64571, 71336, 71444, 64572
315857	Stratford Connections**	X	64573, 71337, 71445, 64574
315858		X	64575, 71338, 71446, 64576
315859		X	64577, 71339, 71447, 64578
315860		X	64579, 71340, 71448, 64580
315861		X	64581, 71341, 71449, 64582

Notes
1: 64571,71444 at Llanelli, 64572 at Dean Forest, rest of unit unknown. Whole unit destined for Llanelli & Mynydd Mawr
2: Llanelli & Mynydd Mawr Railway
3: Livery: TFL

316

Number	Name			Form
316997	HOLEC TEST TRAIN	*316998, 307118*	X	977708, 977709, 977710

317



Number	Name			Form	Livery
317337			X	77036, 62671, 71613, 77084	
317338			X	77037, 62698, 71614, 77085	
317339			X	77038, 62699, 71615, 77086	
317340			X	77039, 62700, 71616, 77087	
317341			X	77040, 62701, 71617, 77088	
317342			X	77041, 62702, 71618, 77089	
317343			X	77042, 62703, 71619, 77090	
317344			X	77029, 62690, 71620, 77091	AWT
317345 [1]	Driver John Webb**		X	77044, 62705, 71621, 77092	
317346			X	77045, 62706, 71622, 77093	
317347			X	77046, 62707, 71623, 77094	
317348	Richard A Jenner		X	77047, 62708, 71624, 77095	
317501		*317301*	X	77024, 62661, 71577, 77048	GAR

317502		*317302*	X	77001, 62662, 71578, 77049	GAR
317503		*317303*	X	77002, 62663, 71579, 77050	
317504		*317304*	X	77003, 62664, 71580, 77051	GAR
317505		*317305*	X	77004, 62665, 71581, 77052	
317506		*317306*	X	77005, 62666, 71582, 77053	GAR
317507	University of Cambridge 800 Years 1209-2009**	*317307*	X	77006, 62667, 71583, 77054	
317508		*317311*	X	77010, 62697, 71587, 77058	
317509		*317312*	X	77011, 62672, 71588, 77059	
317510		*317313*	X	77012, 62673, 71589, 77060	
317511		*317315*	X	77014, 62675, 71591, 77062	
317512		*317316*	X	77015, 62676, 71592, 77050	
317513		*317317*	X	77016, 62677, 71593, 77064	
317514		*317318*	X	77017, 62678, 71594, 77065	
317515		*317320*	X	77019, 62680, 71596, 77067	
317649		*317349*	X	77200, 62846, 71734, 77220	
317650		*317350*	X	77201, 62847, 71735, 77221	
317651		*317351*	X	77202, 62848, 71736, 77222	
317652		*317352*	X	77203, 62849, 71739, 77223	
317653		*317353*	X	77204, 62850, 71738, 77224	
317654	Richard Wells	*317354*	X	77205, 62851, 71737, 77225	
317655		*317355*	X	77206, 62852, 71740, 77226	
317656		*317356*	X	77207, 62853, 71742, 77227	

317657		*317357*	X	77208, 62854, 71741, 77228
317658		*317358*	X	77209, 62855, 71743, 77229
317659		*317359*	X	77210, 62856, 71744, 77230
317660		*317360*	X	77211, 62857, 71745, 77231
317661		*317361*	X	77212, 62859, 71746, 77232
317662		*317362*	X	77213, 62858, 71747, 77233
317663		*317363*	X	77214, 62860, 71748, 77234
317664		*317364*	X	77215, 62861, 71749, 77235
317665		*317365*	X	77216, 62862, 71750, 77236
317666		*317366*	X	77217, 62863, 71752, 77237
317667		*317367*	X	77218, 62864, 71751, 77238
317668		*317368*	X	77219, 62865, 71753, 77239
317669		*317369*	X	77280, 62886, 71762, 77284
317670		*317370*	X	77281, 62887, 71763, 77285
317671	Stevenage New Town 50 years - 1946-1996**	*317371*	X	77282, 62888, 71764, 77286
317672	Welwyn Garden City**	*317372*	X	77283, 62889, 71765, 77287
317708		*317308*	X	77007, 62668, 71584, 77055
317709	Len Camp**	*317309*	X	77008, 62669, 71585, 77056
317710		*317310*	X	77009, 62670, 71586, 77057
317714		*317314*	X	77013, 62674, 71590, 77061
317719		*317319*	X	77018, 62679, 71595, 77066
317722		*317322, 317392*	X	77021, 62682, 71598, 77069

Electric Unit					
317723	The Tottenham Flyer**	*317323, 317393*	X	77022, 62683, 71599, 77070	
317729		*317329*	X	77028, 62689, 71605, 77076	
317732		*317332*	X	77031, 62692, 71608, 77079	
317881		*317321*	X	77020, 62681, 71597, 77068	
317882		*317324, 317394*	X	77023, 62684, 71600, 77071	GAR
317883		*317325, 317395*	X	77000, 62685, 71601, 77072	
317884		*317326, 317396*	X	77025, 62686, 71602, 77073	NXU
317885		*317327, 317397*	X	77026, 62687, 71603, 77074	
317886		*317328, 317398*	X	77027, 62688, 71604, 77075	GAR
317887		*317330*	X	77043, 62704, 71606, 77077	
317888		*317331*	X	77030, 62691, 71607, 77078	
317889		*317333*	X	77032, 62693, 71609, 77080	
317890		*317334*	X	77033, 62694, 71610, 77081	
317891		*317335*	X	77034, 62695, 71611, 77082	
317892	Ilford Depot**	*317336*	X	77035, 62696, 71612, 77083	

Notes
1: 71621 and 77092 are preserved.

318



Built by BREL in York for use in Scotland.

Formation	3 cars per unit
System	25kV 50Hz AC Overhead
Introduced	1986
Builder	BREL
Power	990kW
Max Speed	90mph
Seats	216

Number	Name	Form	Livery
318250	Geoff Shaw**	77240, 62866, 77260	ASR
318251		77241, 62867, 77261	ASR
318252		77242, 62868, 77262	ASR
318253		77243, 62869, 77263	ASR
318254		77244, 62870, 77264	ASR
318255		77245, 62871, 77265	ASR
318256	North Berwick Flyer 1850 - 2000**	77246, 62872, 77266	ASR
318257		77247, 62873, 77267	ASR
318258		77248, 62874, 77268	ASR
318259	Citizens' Network	77249, 62875, 77269	ASR
318260		77250, 62876, 77270	ASR
318261		77251, 62877, 77271	ASR
318262		77252, 62878, 77272	ASR
318263		77253, 62879, 77273	ASR

Electric Unit			
318264		77254, 62880, 77274	ASR
318265		77255, 62881, 77275	ASR
318266	STRATHCLYDER**	77256, 62882, 77276	ASR
318267		77257, 62883, 77277	ASR
318268		77258, 62884, 72778	ASR
318269		77259, 62885, 72779	ASR
318270		77288, 62890, 77289	ASR

319

Class 319



The British Rail Class 319 is an electric multiple unit passenger train built by British Rail Engineering Limited's Holgate Road carriage works for use on north–south cross-London services. These dual-voltage trains are capable of operating on 25 kV 50 Hz from AC overhead wires or 750 V DC from a third rail.

Built in two batches in 1987–88 and 1990, the units were primarily used on the then-new Thameslink service from Bedford to Brighton and various other destinations south of London. The majority of the fleet remained in use on the Thameslink route after its reshaping and privatisation in 1997. Some of the fleet was also used by Connex South Central and latterly Southern on various services operating out of London Victoria, including flagship expresses to Brighton.

Number	Name	Form	Livery
319001 [1]	Driver Mick Winnett**	77291, 62891, 71772, 77290	HFX

Electric Unit

319002 [2]				77293, 62892, 71773, 77292	TFW
319003 [3]				77295, 62893, 71774, 77294	TFW
319004			X	77297, 62894, 71775, 77296	
319005	Partnership for Progress**		X	77299, 62895, 71776, 77298	
319006 [4]				77301, 62896, 71777, 77300	TFW
319007 [5]				77303, 62897, 71778, 77302	TFW
319008 [6]	Cheriton**			77305, 62898, 71779, 77304	TFW
319009 [7]	Coquelles**		S	77307, 62899, 71780, 77306	ORB
319010			S	77309, 62900, 71781, 77308	ORB
319011	John Ruskin College**		S	77311, 62901, 71782, 77310	TLK
319012				77313, 62902, 71783, 77312	TLK
319013	The Surrey Hills**		X	77315, 62903, 71784, 77314	
319214		*319014*	X	77317, 62904, 71785, 77316	TLK
319215	London**	*319015*	X	77319, 62905, 71786, 77318	TLK
319216		*319016*	X	77321, 62906, 71787, 77320	
319217	Brighton**	*319017*	X	77323, 62907, 71788, 77322	TLK
319218	Croydon	*319018*	X	77325, 62908, 71789, 77324	
319219		*319019*	X	77327, 62909, 71790, 77326	TLK
319220 [8]		*319020*	W	77329, 62910, 71791, 77328	TLK
319361		*319061, 319161*	X	77459, 63043, 71929, 77458	
319362	Northern Powerhouse**	*319062, 319162*	X	77461, 63044, 71930, 77460	NRP
319363		*319063, 319163*	X	77463, 63045, 71931, 77462	NRP

319364	Transforming Blackfriars**	*319064, 319164*	X	77465, 63046, 71932, 77464	NRP
319365	Transforming Farringdon**	*319065, 319165*	X	77467, 63047, 71933, 77466	
319366		*319066, 319166*	X	77469, 63048, 71934, 77468	NRP
319367		*319067, 319167*	X	77471, 63049, 71935, 77470	NRP
319368		*319068, 319168*	X	77473, 63050, 71936, 77472	
319369		*319069, 319169*	X	77475, 63051, 71937, 77474	
319370		*319070, 319170*	X	77477, 63052, 71938, 77476	
319371		*319071, 319171*	S	77479, 63053, 71939, 77478	NRP
319372		*319072, 319172*	X	77481, 63054, 71940, 77480	
319373		*319073, 319173*	X	77483, 63055, 71941, 77482	
319374	Bedford Cauldwell TMD**	*319074, 319174*	X	77485, 63056, 71942, 77484	
319375		*319075, 319175*	X	77487, 63057, 71943, 77486	NRP
319376		*319076, 319176*	X	77489, 63058, 71944, 77488	
319377		*319077, 319177*	S	77491, 63059, 71945, 77490	NRP
319378		*319078, 319178*	X	77493, 63060, 71946, 77492	NRP
319379		*319079, 319179*	X	77495, 63061, 71947, 77494	
319380		*319080, 319180*		77497, 63062, 71948, 77496	NRP
319381		*319081, 319181*	X	77973, 63093, 71979, 77974	
319382		*319082, 319182*	S	77975, 63094, 71980, 77976	HFX
319383		*319083, 319183*	X	77977, 63095, 71981, 77978	NRP
319384		*319084, 319184*	X	77979, 63096, 71982, 77980	NRP
319385		*319085, 319185*	X	77981, 63097, 71983, 77982	

319386		*319086, 319186*	X	77983, 63098, 71984, 77984	
319421		*319021*		77331, 62911, 71792, 77330	TFW
319422		*319022*	S	77333, 62912, 71793, 77332	GWU
319423		*319023*	S	77335, 62913, 71794, 77334	GWU
319424		*319024*		77337, 62914, 71795, 77336	NRP
319425	Transforming Travel - First Capital Connect**	*319025*		77339, 62915, 71796, 77338	GWU
319426 [9]		*319026*		77341, 62916, 71797	TFW
319427		*319027*	S	77343, 62917, 71798, 77342	GWU
319428		*319028*	S	77345, 62918, 71799, 77344	GWU
319429		*319029*	X	77347, 62919, 71800, 77346	LMI
319430		*319030*	S	77349, 62920, 71801, 77348	GWU
319431		*319031*		77351, 62921, 71802, 77350	NRP
319432		*319032*	S	77353, 62922, 71803, 77352	GWU
319433		*319033*	X	77355, 62923, 71804, 77354	
319434		*319034*		77357, 62924, 71805, 77356	NRP
319435	Adrian Jackson-Robbins 1987-2007 Chair of the Association of Passenger Transport Users**	*319035*	S	77359, 62925, 71806, 77358	GWU
319436		*319036*	S	77361, 62926, 71807, 77360	GWU
319437		*319037*	S	77363, 62927, 71808, 77362	GWU
319438		*319038*	S	77365, 62928, 71809, 77364	GWU
319439		*319039*	X	77367, 62929, 71810, 77366	GWU
319440		*319040*	S	77369, 62930, 71811, 77368	GWU
319441	Driver Mick Winnett**	*319041*	S	77371, 62931, 71812, 77370	LMI

319442		*319042*		77373, 62932, 71813, 77372	NRP
319443		*319043*	S	77375, 62933, 71814, 77374	GWU
319444	City of St. Albans**	*319044*	S	77377, 62934, 71815, 77376	GWU
319445		*319045*		77379, 62935, 71816, 77378	TFW
319446	St. Pancras International**	*319046*	S	77381, 62936, 71817, 77380	GWU
319447		*319047*	S	77431, 62961, 71866, 77430	GWU
319448	Elstree Studios - The Home of British Film and Television Production**	*319048*		77433, 62962, 71867, 77432	NRP
319449	King's Cross Thameslink**	*319049*		77435, 62963, 71868, 77434	GWU
319450		*319050*		77437, 62964, 71869, 77436	NRP
319451		*319051*	X	77439, 62965, 71870, 77438	
319452		*319052*		77441, 62966, 71871, 77440	TFW
319453		*319053*	X	77443, 62967, 71872, 77442	
319454		*319054*	X	77445, 62968, 71873, 77444	PIH
319455		*319055*	X	77447, 62969, 71874, 77446	
319456		*319056*		77449, 62970, 71875, 77448	NRP
319457		*319057*	X	77451, 62971, 71876, 77450	
319458		*319058*		77453, 62972, 71877, 77452	NRP
319459		*319059*	S	77455, 62973, 71878, 77454	GWU
319460		*319060*	X	77457, 62974, 71879, 77456	

Notes

1: Unveiled on 20th June 2019
2: TESTRB
3: TESTRB
4: TESTRB

Electric Unit

5: TESTRB
6: Formed the first passenger train through the Channel Tunnel 10/12/1993, with 319009
7: Formed the first passenger train through the Channel Tunnel 10/12/1993, with 319008
8: MOD
9: 77340 Is Now At Sims Metals, Newport

320



Built by BREL in York for Scottish services.

Formation	3 cars per unit
System	25kV 50Hz AC Overhead
Introduced	1990
Builder	BREL
Power	900kW
Max Speed	320/3 90mph, 320/4 100mph

Number	Name	Form	Livery
320301		77899, 63021, 77921	ASR
320302		77900, 63022, 77922	ASR
320303		77901, 63023, 77923	ASR
320304		77902, 63024, 77924	ASR
320305	GLASGOW SCHOOL OF ART 1844-150-1994**	77903, 63025, 77925	ASR
320306	MODEL RAIL SCOTLAND**	77904, 63026, 77926	ASR
320307		77905, 63027, 77927	ASR
320308	High Road 20th Anniversary 2000**	77906, 63028, 77928	ASR

320309	Radio Clyde 25th Anniversary**		77907, 63029, 77929	ASR
320310			77908, 63030, 77930	ASR
320311	Royal College of Physicians and Surgeons of Glasgow**		77909, 63031, 77931	ASR
320312	Sir William A Smith Founder of the Boys' Brigade**		77910, 63032, 77932	ASR
320313			77911, 63033, 77933	ASR
320314			77912, 63034, 77934	ASR
320315			77913, 63035, 77935	ASR
320316			77914, 63036, 77936	ASR
320317			77915, 63037, 77937	ASR
320318			77916, 63038, 77938	ASR
320319			77917, 63039, 77939	ASR
320320			77918, 63040, 77940	ASR
320321	The Rt. Hon. John Smith, QC, MP**		77919, 63041, 77941	ASR
320322	FESTIVE GLASGOW ORCHID**		77920, 63042, 77942	ASR
320401		*321401*	77943, 63063, 78095	ASR
320403		*321403*	77945, 63065, 78097	ASR
320404		*321404*	77946, 63066, 78098	ASR
320411		*321411*	78105, 63073, 77953	ASR
320412		*321412*	78106, 63074, 77954	ASR
320413		*321413*	78107, 63075, 77955	ASR
320414		*321414*	78108, 63076, 77956	ASR
320415		*321415*	78109, 63077, 77957	ASR
320416		*321416*	78110, 63078, 77958	ASR
320417		*321417*	78111, 63079, 77959	ASR
320418		*321418*	77962, 63080, 78112	ASR
320420		*321420*	77960, 63082, 78114	ASR

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Number	Name		Form	Note	Livery
321301		X	78049, 62975, 71880, 77853		
321302		X	78050, 62976, 71881, 77854		
321303		X	78051, 62977, 71882, 77855		
321304		X	78052, 62978, 71883, 77856		
321305		X	78053, 62979, 71884, 77857	Refurbished	GAN
321306		X	78054, 62980, 71885, 77858		
321307		X	78055, 62981, 71886, 77859		
321308		X	78056, 62982, 71887, 77860		
321309		X	78057, 62983, 71888, 77861		
321310		X	78058, 62984, 71889, 77862		
321311		X	78059, 62985, 71890, 77863		
321312	SOUTHEND-ON-SEA**	X	78060, 62986, 71891, 77864		
321313	University of Essex**	X	78061, 62987, 71892, 77865		

321314		X	62988, 71893, 77866, 78062	
321315		X	78063, 62989, 71894, 77867	
321316		X	78064, 62990, 71895, 77868	
321317		X	78065, 62991, 71896, 77869	
321318		X	78066, 62992, 71897, 77870	
321319		X	78067, 62993, 71898, 77871	
321320		X	78068, 62994, 71899, 77872	
321321	NSPCC ESSEX FULL STOP**	X	78069, 62995, 71900, 77873	
321322		X	78070, 62996, 71901, 77874	
321323		X	78071, 62997, 71902, 77875	
321324		X	78072, 62998, 71903, 77876	
321325		X	78073, 62999, 71904, 77877	
321326		X	78074, 63000, 71905, 77878	
321327		X	78075, 63001, 71906, 77879	
321328		X	78076, 63002, 71907, 77880	
321329		X	78077, 63003, 71908, 77881	
321330		X	78078, 63004, 71909, 77882	
321331		X	78079, 63005, 71910, 77883	
321332		X	78080, 63006, 71911, 77884	
321333		S	78081, 63007, 71912, 77885	NE2
321334	AMSTERDAM**	S	78082, 63008, 71913, 77886	SWF
321335		X	78083, 63009, 71914, 77887	NE2

Electric Unit

321336	GEOFFREY FREEMAN ALLEN**	X	78084, 63010, 71915, 77888	NE2
321337		X	78085, 63011, 71916, 77889	
321338		X	78086, 63012, 71917, 77890	NE2
321339		S	78087, 63013, 71918, 77891	NE2
321340		X	78088, 63014, 71919, 77892	
321341		S	78089, 63015, 71920, 77893	NE2
321342	R. Barnes**	X	78090, 63016, 71921, 77894	NE2
321343	RSA RAILWAY STUDY ASSOCIATION**	X	78091, 63017, 71922, 77895	
321344		X	78092, 63018, 71923, 77896	
321345		X	78093, 63019, 71924, 77897	
321346		X	78094, 63020, 71925, 77898	
321347		X	78131, 63105, 71991, 78280	
321348		X	78132, 63106, 71992, 78281	
321349		X	78133, 63107, 71993, 78282	
321350		X	78134, 63108, 71994, 78283	
321351	London Southend Airport**	X	78135, 63109, 71995, 78284	
321352		X	78136, 63110, 71996, 78285	
321353		X	78137, 63111, 71997, 78286	
321354		X	78138, 63112, 71998, 78287	
321355		X	78139, 63113, 71999, 78288	
321356		X	78140, 63114, 72000, 78289	

Electric Unit

321357		X	78141, 63115, 72001, 78290		
321358		X	78142, 63116, 72002, 78291		
321359		X	78143, 63117, 72003, 78292		
321360		X	78144, 63118, 72004, 78293		
321361	Phoenix**	X	78145, 63119, 72005, 78294		
321362		X	78146, 63120, 72006, 78295		
321363		X	78147, 63121, 72007, 78296		
321364		X	78148, 63122, 72008, 78297		
321365		X	78149, 63123, 72009, 78298		
321366		X	78150, 63124, 72010, 78299		
321401		N	78095, 63063, 71949, 77943	Reformed as 320401 for ScotRail	
321402		S	78096, 63064, 71950, 77944		FBL
321403	Stewart Fleming Signalman King's Cross**	N	78097, 63065, 71951, 77945	Reformed as 320403 for ScotRail	
321404		N	78098, 63066, 71952, 77946	Reformed as 320404 for ScotRail	
321405		X	78099, 63067, 71953, 77947		
321406		S	78100, 63068, 71954, 77948		FBL
321407	HERTFORDSHIRE WRVS**	S	78101, 63069, 71955, 77949		FBL
321408		X	78102, 63070, 71956, 77950		
321409	Dame Alice Owen's School 400 years of learning**	X	78103, 63071, 71957, 77950		
321410		X	78104, 63072, 71958, 77952		

Electric Unit					
321411		N	78105, 63073, 71959, 77953	Reformed as 320411 for ScotRail	
321412		N	78106, 63074, 71960, 77954	Reformed as 320412 for ScotRail	
321413	Bill Green**	N	78107, 63075, 71961, 77955	Reformed as 320413 for ScotRail	
321414		N	78108, 63076, 71962, 77956	Reformed as 320414 for ScotRail	
321415		N	78109, 63077, 71963, 77957	Reformed as 320415 for ScotRail	
321416		N	78110, 63078, 77958	Reformed as 320416 for ScotRail	
321417		N	78111, 63079, 71965, 77959	Reformed as 320417 for ScotRail	
321418	The Poppy Appeal Supporting the Royal British Legion**	N	78112, 63080, 71966, 77960	Reformed as 320418 for ScotRail	
321419		S	78113, 63081, 71967, 77961		FBL
321420	We are proud supporters of Movember**	N	78114, 63082, 71968, 77962	Reformed as 320420 for ScotRail	
321421		X	78115, 63083, 71969, 77963		
321422		X	78116, 63084, 71970, 77964		
321423		X	78117, 63085, 71971, 77965		NE2
321424		X	78118, 63086, 71972, 77966		
321425	Bletchley Pride**	X	78119, 63087, 71973, 77967		
321426		X	78120, 63088, 71974, 77968		
321427	Major Tim Warr**	X	78121, 63089, 71975, 77969		

Electric Unit

321428	The Essex Commuter**	S	78122, 63090, 71976, 77970		GAA
321429		S	78123, 63091, 71977, 77971		GAA
321430		X	78124, 63092, 71978, 77972		GAA
321431		X	78151, 63125, 72011, 78300		
321432		X	78152, 63126, 72012, 78301		
321433		X	78153, 63127, 72013, 78302		
321434		S	78154, 63128, 72014, 78303	63128 at Yarmouth Vauxhall	GAA
321435		X	78155, 63129, 72015, 78304		
321436		X	78156, 63130, 72016, 78305		
321437		S	78157, 63131, 78306	Unit 72017 scrapped.	NXU
321438		X	78158, 63132, 72018, 78307		
321439		X	78159, 63133, 72019, 78308		
321440		S	78160, 63134, 72020, 78309		AWT
321441		X	78161, 63135, 72021, 78310		
321442	Crouch Valley 1889 - 2014**	X	78162, 63136, 72022, 78311		
321443		X	78125, 63099, 71985, 78274		AWT
321444	ESSEX LIFEBOATS**	X	78126, 63100, 71986, 78275		
321445		X	78127, 63101, 71987, 78276		
321446	George Mullings**	X	78128, 63102, 71988, 78277		
321447		X	78129, 63103, 71989, 78278		
321448		X	78130, 63104, 71990, 78279		
321901		X	77990, 63153, 72128, 77993		

Electric Unit		
321902	X	77991, 63154, 72129, 77994
321903	X	77992, 63155, 72130, 77995

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Number	Name		Form
322481	North Berwick Flyer 1850-2000**	X	78163, 63137, 72023, 77985
322482		X	78164, 63138, 72024, 77986
322483		X	78165, 63139, 72025, 77987
322484		X	78166, 63140, 72026, 77988
322485		X	78167, 63141, 72027, 77989

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The Greatest Gathering

Dan Cardwell

Originally built in Leeds by Hunslet Transportation. All the sets were refurbished between 2018 and 2021.

The technical information refers to the refurbished units.

Formation	3 cars per unit
System	25kV 50Hz AC Overhead
Introduced	Originally 1994
Builder	Hunslet
Power	1,168kW
Max Speed	90mph
Seats	277

Number	Name		Form	Livery
323201	Duddeston**	S	64001, 72201, 65001	WM2
323202	Butler's Lane**		64002, 72202, 65002	NRP
323203	Aston**		64003, 72203, 65003	NRP
323204	Selly Oak**	S	64004, 72204, 65004	WM2
323205	Blake Street		64005, 72205, 65005	NRP
323206	Barnt Green**		64006, 72206, 65006	NRP
323207	Bournville**		64007, 72207, 65007	NRP
323208	Five Ways**		64008, 72208, 65008	NRP
323209	Birmingham New Street		64009, 72209, 65009	NRP
323210	Shenstone**		64010, 72210, 65010	NRP
323211	Four Oaks**	S	64011, 72211, 65011	WM2

323212	Bromsgrove**		64012, 72212, 65012	NRP
323213	Sutton Coldfield**		64013, 72213, 65013	NRP
323214	Wylde Green**	S	64014, 72214, 65014	WM2
323215	Gravelly Hill**	S	64015, 72215, 65015	WM2
323216	University**	S	64016, 72216, 65016	WM2
323217	Chester Road**		64017, 72217, 65017	NRP
323218	Lichfield City**		64018, 72218, 65018	NRP
323219	Kings Norton**		64019, 72219, 65019	NRP
323220	Lichfield Trent Valley**		64020, 72220, 65020	NRP
323221	Northfield**	S	64021, 72221, 65021	CRR
323222	Reddich**	S	64022, 72222, 65022	WM2
323223			64023, 72223, 65023	NRP
323224			64024, 72224, 65024	NRP
323225			64025, 72225, 65025	NRP
323226			64026, 72226, 65026	NRP
323227			64027, 72227, 65027	NRP
323228			64028, 72228, 65028	NRP
323229			64029, 72229, 65029	NRP
323230			64030, 72230, 65030	NRP
323231			64031, 72231, 65031	NRP
323232			64032, 72232, 65032	NRP
323233			64033, 72233, 65033	NRP
323234			64034, 72234, 65034	NRP
323235			64035, 72235, 65035	NRP
323236			64036, 72236, 65036	NRP
323237			64037, 72237, 65037	NRP
323238			64038, 72238, 65038	NRP
323239			64039, 72239, 65039	BEE
323240	Erdington**	S	64040, 72340, 65040	WM2
323241	Dave Pomroy 323 Fleet Engineer 40 Years Service		64041, 72341, 65041	NRP
323242	Alvechurch**		64042, 72342, 65042	NRP
323243	Longbridge**		64043, 72343, 65043	NRP

325



Number	Name		Form	Livery
325001		S	68300, 68340, 68360, 68301	RMR
325002	Royal Mail North Wales & North West**	S	68302, 68341, 68361, 68303	RML
325003		X	68304, 68342, 68362, 68305	RMR
325004		X	68306, 68343, 68363, 68307	RMR
325005		S	68308, 68344, 68364, 68309	RMR
325006	John Grierson**	X	68310, 68345, 68365, 68311	RMR
325007		X	68312, 68346, 68366, 68313	
325008	Peter Howarth CBE**	X	68314, 68347, 68367, 68315	RMR
325009		X	68316, 68349, 68368, 68317	RMR
325010		X	68318, 68348, 68369, 68319	RMR
325011		S	68320, 68350, 68370, 68321	RMR
325012		X	68322, 68351, 68371, 68323	RMR
325013		X	68324, 68352, 68372, 68325	RMR
325014		S	68326, 68353, 68373, 68327	RMR
325015		S	68328, 68354, 68374, 68329	RMR
325016		X	68330, 68355, 68375, 68331	RMR

331

Civity



Peter Gayler

Civity Class

Built by CAF and currently operated by Northern. The sets are 3 car units.

class 331/0

System	25kV
Introduced	2017-2020
Builder	CAF
Max Speed	100mph
Formation	DMSL-PTS-DMS
Power	1,760kW
Seats	331/0 184 + 19 tip up,
Wheel Arrangement	Bo-Bo+2-2+Bo-Bo

Number	Form	Livery
331001	463001, 464001, 466001	NRP
331002	463002, 464002, 466002	NRP
331003	463003, 464003, 466003	NRP
331004 [1]	463004, 464004, 466004	NRP
331005	463005, 464005, 466005	NRP
331006	463006, 464006, 466006	NRP
331007	463007, 464007, 466007	NRP
331008	463008, 464008, 466008	NRP
331009	463009, 464009, 466009	NRP
331010	463010, 464010, 466010	NRP

331011	463011, 464011, 466011	NRP
331012	463012, 464012, 466012	NRP
331013	463013, 464013, 466013	NRP
331014	463014, 464014, 466014	NRP
331015	463015, 464015, 466015	NRP
331016	463016, 464016, 466016	NRP
331017	463017, 464017, 466017	NRP
331018	463018, 464018, 466018	NRP
331019	463019, 464019, 466019	NRP
331020	463020, 464020, 466020	NRP
331021	463021, 464021, 466021	NRP
331022	463022, 464022, 466022	NRP
331023	463023, 464023, 466023	NRP
331024	463024, 464024, 466024	NRP
331025	463025, 464025, 466025	NRP
331026	463026, 464026, 466026	NRP
331027	463027, 464027, 466027	NRP
331028	463028, 464028, 466028	NRP
331029	463029, 464029, 466029	NRP
331030	463030, 464030, 466030	NRP
331031	463031, 464031, 466031	NRP

Notes

1: Name: The Bradfordian

Electric Unit

331/1

Civity



331106 arrives at Leeds and will form 2V32 Leeds to to Ilkley

Neil Thaler

Built by CAF and currently operated by Northern. The sets are 4 car units.

System	25kV
Wheel Arrangement	Bo-Bo+2-2+2-2+Bo-Bo
Seats	260 seats plus 23 tip-up
Formation	DMSL-PTS-TS-DMS
Power	1,760kW
Introduced	2017-2019
Builder	CAF
Max Speed	100mph

Number	Name	Form	Livery
331101		464101, 464101, 465101, 466101	NRP
331102		464102, 464102, 465102, 466102	NRP
331103		464103, 464103, 465103, 466103	NRP
331104		464104, 464104, 465104, 466104	NRP
331105		464105, 464105, 465105, 466105	NRP
331106	Proud to be Northern	464106, 464106, 465106, 466106	NRP
331107		464107, 464107, 465107, 466107	NRP
331108		464108, 464108, 465108, 466108	NRP
331109		464109, 464109, 465109, 466109	NRP
331110	Proud to be Northern	464110, 464110, 465110, 466110	NRP
331111		464111, 464111, 465111, 466111	NRP

331112	464112, 464112, 465112, 466112	NRP

332



Number		Form	Note
332001 [1]	X	78400, 72412, 63400, 78401	Coach78401 scrapped Sims Metals Peterborough
332002	X	78402, 72409, 63406, 78403	Sims Metals, Newport
332003	X	78404, 72407, 63402, 78405	Sims Metals, Newport
332004	X	78406, 78405, 63403, 78407	Sims Metals, Newport
332005	X	78408, 72411, 63404, 72417, 78409	Sims Metals, Newport
332006	X	78410, 72410, 63405, 72415, 78411	Sims Metals, Newport
332007	X	78412, 7240163401, 72414, 78413	Sims Metals, Newport
332008	X	78414, 72413, 63407, 72418, 78415	Sims Metals, Newport
332009	X	78416, 72400, 63408, 72416, 78417	Sims Metals, Newport
332010	X	78418, 72402, 63409, 78419	Sims Metals, Newport
332011	X	78420, 72403, 63410, 78421	Sims Metals, Newport
332012	X	78422, 72404, 63411, 78423	Sims Metals, Newport
332013	X	78424, 72408, 63412, 78425	Sims Metals, Newport
332014	X	78426, 72406, 63413, 78427	Sims Metals, Peterborough
78400 [2]	S		

Notes
1: Livery: HEX
2: Immingham West Fire Station

333



John J Cordrey

Built in Spain by CAF. Originally were 3 car units but have since been refurbished and moved to 4 cars.

Tech info for refurbished units

Formation	4 cars per unit
System	25kV 50Hz AC Overhead
Introduced	Originally 2001
Builder	CAF
Power	1,400kW
Max Speed	100mph
Seats	360

Number	Name	Form	Livery
333001		78451, 74461, 74477, 78452	NRP
333002		78453, 74462, 74478, 78454	NRP
333003		78455, 74463, 74479, 78456	NRP
333004		78457, 74464, 74480, 78458	NRP
333005		78459, 74465, 74481, 78460	NRP
333006		78461, 74466, 74482, 78462	NRP
333007	Alderman J Arthur Godwin First Lord Mayor of Bradford 1907**	78463, 74467, 74483, 78464	NRP
333008		78465, 74468, 74484, 78466	NRP
333009		78467, 74469, 74485, 78468	NRP
333010		78469, 74470, 74486, 78470	NRP

Electric Unit			
333011	Olicana Ilkley's Roman Fort**	78471, 74471, 74487, 78472	NRP
333012		78473, 74472, 74488, 78474	NRP
333013		78475, 74473, 74489, 78476	NRP
333014		78477, 74474, 74490, 78478	NRP
333015		78479, 74475, 74491, 78480	NRP
333016		78481, 74476, 74492, 78482	NRP

334

Coradia Juniper



Coradia Juniper Class

Built in Birmingham by Alstom. All units are based in Scotland.

They were all refurbished by 2017.

Alstom were awarded a further contract in 2023 to overhaul the fleet.

Formation	3 cars per unit
System	25kV 50Hz A Overhead
Introduced	2001
Builder	Alstom
Power	1,080kW
Max Speed	90mph
Seats	183

Number	Form	Livery
334001 [1]	64101, 74301, 65101	ASR
334002	64102, 74302, 65102	ASR

334003	64103, 74303, 65103	ASR
334004	64104, 74304, 65104	ASR
334005	64105, 74305, 65105	ASR
334006	64106, 74306, 65106	ASR
334007	64107, 74307, 65107	ASR
334008	64108, 74308, 65108	ASR
334009	64109, 74309, 65109	ASR
334010	64110, 74310, 65110	ASR
334011	64111, 74311, 65111	ASR
334012	64112, 74312, 65112	ASR
334013	64113, 74313, 65113	ASR
334014	64114, 74314, 65114	ASR
334015	64115, 74315, 65115	ASR
334016	64116, 74316, 65116	ASR
334017	64117, 74317, 65117	ASR
334018	64118, 74318, 65118	ASR
334019	64119, 74319, 65119	ASR
334020	64120, 74320, 65120	ASR
334021 [(2)]	64121, 74321, 65121	ASR
334022	64122, 74322, 65122	ASR
334023	64123, 74323, 65123	ASR
334024	64124, 74324, 65124	ASR
334025	64125, 74325, 65125	ASR
334026	64126, 74326, 65126	ASR
334027	64127, 74327, 65127	ASR
334028	64128, 74328, 65128	ASR
334029	64129, 74329, 65129	ASR
334030	64130, 74330, 65130	ASR
334031	64131, 74331, 65131	ASR
334032	64132, 74332, 65132	ASR
334033	64133, 74333, 65133	ASR
334034	64134, 74334, 65134	ASR
334035	64135, 74335, 65135	ASR
334036	64136, 74336, 65136	ASR
334037	64137, 74337, 65137	ASR
334038	64138, 74338, 65138	ASR
334039	64139, 74339, 65139	ASR
334040	64140, 74340, 65140	ASR

Notes

1: Name: Donald Dewar**

2: Name: Larkhall**

345

Aventra



Neil Thaler

Bombardier units for CrossRail / Elizabeth Line.

Formation: DMS-PMS-MS1-MS3-TSW-MS3-MS2-PMS-DMS

System	25kV
Length	204.7m
Introduced	2022
Builder	Bombardier, Derby Litchurch Lane
Power	4,400 kW
Max Speed	90mph

Number	Form	Livery
345001	340101, 340201, 340301, 340401, 340501, 340601, 340701, 340801, 340901	XRL
345002	340102, 340202, 340302, 340402, 340502, 340602, 340702, 340802, 340902	XRL
345003	340103, 340203, 340303, 340403, 340503, 340603, 340703, 340803, 340903	XRL
345004 [1]	340104, 340204, 340304, 340404, 340504, 340604, 340704, 340804, 340904	XRL
345005	340105, 340205, 340305, 340405, 340505, 340605, 340705, 340805, 340905	XRL
345006	340106, 340206, 340306, 340406, 340506, 340606, 340706, 340806, 340906	XRL

345007	340107, 340207, 340307, 340407, 340507, 340607, 340707, 340807, 340907	XRL
345008	340108, 340208, 340308, 340408, 340508, 340608, 340708, 340808, 340908	XRL
345009	340109, 340209, 340309, 340409, 340509, 340609, 340709, 340809, 340909	XRL
345010	340110, 340210, 340310, 340410, 340510, 340610, 340710, 340810, 340910	XRL
345011	340111, 340211, 340311, 340411, 340511, 340611, 340711, 340811, 340911	XRL
345012	340112, 340212, 340312, 340412, 340512, 340612, 340712, 340812, 340912	XRL
345013 [2]	340113, 340213, 340313, 340413, 340513, 340613, 340713, 340813, 340913	XRL
345014	340114, 340214, 340314, 340414, 340514, 340614, 340714, 340814, 340914	XRL
345015	340115, 340215, 340315, 340415, 340515, 340615, 340715, 340815, 340915	XRL
345016	340116, 340216, 340316, 340416, 340516, 340616, 340716, 340816, 340916	XRL
345017	340117, 340217, 340317, 340417, 340517, 340617, 340717, 340817, 340917	XRL
345018	340118, 340218, 340318, 340418, 340518, 340618, 340718, 340818, 340918	XRL
345019	340119, 340219, 340319, 340419, 340519, 340619, 340719, 340819, 340919	XRL
345020	340120, 340220, 340320, 340420, 340520, 340620, 340720, 340820, 340920	XRL
345021	340121, 340221, 340321, 340421, 340521, 340621, 340721, 340821, 340921	XRL
345022	340122, 340222, 340322, 340422, 340522, 340622, 340722, 340822, 340922	XRL
345023	340123, 340223, 340323, 340423, 340523, 340623, 340723, 340823, 340923	XRL
345024 [3]	340124, 340224, 340324, 340424, 340524, 340624, 340724, 340824, 340924	XRL
345025	340125, 340225, 340325, 340425, 340525, 340625, 340725, 340825, 340925	XRL
345026	340126, 340226, 340326, 340426, 340526, 340626, 340726, 340826, 340926	XRL
345027	340127, 340227, 340327, 340427, 340527, 340627, 340727, 340827, 340927	XRL
345028	340128, 340228, 340328, 340428, 340528, 340628, 340728, 340828, 340928	XRL

345029	340129, 340229, 340329, 340429, 340529, 340629, 340729, 340829, 340929	XRL
345030	340130, 340230, 340330, 340430, 340530, 340630, 340730, 340830, 340930	XRL
345031	340131, 340231, 340331, 340431, 340531, 340631, 340731, 340831, 340931	XRL
345032	340132, 340232, 340332, 340432, 340532, 340632, 340732, 340832, 340932	XRL
345033	340133, 340233, 340333, 340433, 340533, 340633, 340733, 340833, 340933	XRL
345034	340134, 340234, 340334, 340434, 340534, 340634, 340734, 340834, 340934	XRL
345035	340135, 340235, 340335, 340435, 340535, 340635, 340735, 340835, 340935	XRL
345036	340136, 340236, 340336, 340436, 340536, 340636, 340736, 340836, 340936	XRL
345037	340137, 340237, 340337, 340437, 340537, 340637, 340737, 340837, 340937	XRL
345038	340138, 340238, 340338, 340438, 340538, 340638, 340738, 340838, 340938	XRL
345039	340139, 340239, 340339, 340439, 340539, 340639, 340739, 340839, 340939	XRL
345040	340140, 340240, 340340, 340440, 340540, 340640, 340740, 340840, 340940	XRL
345041	340141, 340241, 340341, 340441, 340541, 340641, 340741, 340841, 340941	XRL
345042	340142, 340242, 340342, 340442, 340542, 340642, 340742, 340842, 340942	XRL
345043	340143, 340243, 340343, 340443, 340543, 340643, 340743, 340843, 340943	XRL
345044	340144, 340244, 340344, 340444, 340544, 340644, 340744, 340844, 340944	XRL
345045	340145, 340245, 340345, 340445, 340545, 340645, 340745, 340845, 340945	XRL
345046	340146, 340246, 340346, 340446, 340546, 340646, 340746, 340846, 340946	XRL
345047	340147, 340247, 340347, 340447, 340547, 340647, 340747, 340847, 340947	XRL
345048	340148, 340248, 340348, 340448, 340548, 340648, 340748, 340848, 340948	XRL
345049	340149, 340249, 340349, 340449, 340549, 340649, 340749, 340849, 340949	XRL
345050	340150, 340250, 340350, 340450, 340550, 340650, 340750, 340850, 340950	XRL

345051	340151, 340251, 340351, 340451, 340551, 340651, 340751, 340851, 340951	XRL
345052	340152, 340252, 340352, 340452, 340552, 340652, 340752, 340852, 340952	XRL
345053	340153, 340253, 340353, 340453, 340553, 340653, 340753, 340853, 340953	XRL
345054	340154, 340254, 340354, 340454, 340554, 340654, 340754, 340854, 340954	XRL
345055	340155, 340255, 340355, 340455, 340555, 340655, 340755, 340855, 340955	XRL
345056	340156, 340256, 340356, 340456, 340556, 340656, 340756, 340856, 340956	XRL
345057	340157, 340257, 340357, 340457, 340557, 340657, 340757, 340857, 340957	XRL
345058	340158, 340258, 340358, 340458, 340558, 340658, 340758, 340858, 340958	XRL
345059	340159, 340259, 340359, 340459, 340559, 340659, 340759, 340859, 340959	XRL
345060	340160, 340260, 340360, 340460, 340560, 340660, 340760, 340860, 340960	XRL
345061	340161, 340261, 340361, 340461, 340561, 340661, 340761, 340861, 340961	XRL
345062 [(4)]	340162, 340262, 340362, 340462, 340562, 340662, 340762, 340862, 340962	XRL
345063	340163, 340263, 340363, 340463, 340563, 340663, 340763, 340863, 340963	XRL
345064	340164, 340264, 340364, 340464, 340564, 340664, 340764, 340864, 340964	XRL
345065	340165, 340265, 340365, 340465, 340565, 340665, 340765, 340865, 340965	XRL
345066	340166, 340266, 340366, 340466, 340566, 340666, 340766, 340866, 340966	XRL
345067	340167, 340267, 340367, 340467, 340567, 340667, 340767, 340867, 340967	XRL
345068	340168, 340268, 340368, 340468, 340568, 340668, 340768, 340868, 340968	XRL
345069	340169, 340269, 340369, 340469, 340569, 340669, 349769, 340869, 340969	XRL
345070	340170, 340270, 340370, 340470, 340570, 340670, 340770, 340870, 340970	XRL
345071	340171, 340271, 340371, 340471, 340571, 340671, 340771, 340871, 340971	XRL
345072	340172, 340272, 340372, 340472, 340572, 340672, 340772, 340872, 340972	XRL

Electric Unit			
345073		340173, 340273, 340373, 340473, 340573, 340673, 340773, 340873, 340973	XRL
345074		340174, 340274, 340374, 340474, 340574, 340674, 340774, 340874, 340974	XRL
345075	C	340175, 340275, 340375, 340475, 340575, 340675, 340775, 340875, 340975	XRL
345076	C	340576, 340276, 340376, 340476, 340576, 340676, 340776, 340876, 340976	XRL
345077	C	340577, 340277, 340377, 340477, 340577, 340677, 340777, 340877, 340977	XRL
345078	C	340578, 340278, 340378, 340478, 340578, 340678, 340787, 340878, 340978	XRL
345079	C	340579, 340279, 340379, 340479, 340579, 340679, 340797, 340879, 340979	XRL
345080	C	340580, 340280, 340380, 340480, 340580, 340680, 340807, 340880, 340980	XRL

Notes
1: Name: Andy Byford
2: Test / development unit.
3: Name: Heidi Alexander
4: Name: Jorge Ortega

350

Desiro



350107 at Crewe 2025

Dan Cardwell

Siemens Desiro EMUs. ALL class 350s In use with London North Western Railway.

Electric Unit

Gauge	1435mm
Builder	Siemens
Max Speed	110mph
System	25kV AC Overhead / 750V DC 3rd Rail (350/1 only)
Introduced	2004–2005
Length	20400mm x4
Width	2796mm
Weight	172.7t
Power	2,000 kW
Bogies	Siemens SGP SF5000

Number	Form	Livery
350101	63761, 66811, 66861, 63711	LNG
350102	63762, 66812, 66862, 63712	LNG
350103	63765, 66813, 66863, 63713	LNG
350104	63764, 66814, 66864, 63714	LNG
350105	63763, 66815, 66868, 63715	LNG
350106	63766, 66816, 66866, 63716	LNG
350107	63767, 66817, 66867, 63717	LNG
350108	63768, 66818, 66865, 63718	LNG
350109	63769, 66819, 66869, 63719	LNG
350110 [1]	63770, 66820, 66870, 63720	LNG
350111 [2] [3]	63771, 66821, 66871, 63721	LNG
350112	63772, 66822, 66872, 63722	LNG
350113	63773, 66823, 66873, 63723	LNG
350114	63774, 66824, 66874, 63724	LNG
350115 [4]	63775, 66825, 66875, 63725	LNG
350116	63776, 66826, 66876, 63726	LNG
350117	63777, 66827, 66877, 63727	LNG
350118	63778, 66828, 66878, 63728	LNG
350119	63779, 66829, 66879, 63729	LNG
350120	63780, 66830, 66880, 63730	LNG
350121	63781, 66831, 66881, 63731	LNG
350122	63782, 66832, 66882, 63732	LNG
350123	63783, 66833, 66883, 63733	LNG
350124	63784, 66834, 66884, 63734	LNG
350125	63785, 66835, 66885, 63735	LNG
350126	63786, 66836, 66886, 63736	LNG
350127	63787, 66837, 66887, 63737	LNG
350128	63788, 66838, 66888, 63738	LNG
350129	63789, 66839, 66889, 63739	LNG
350130	63790, 66840, 66890, 63740	LNG

Electric Unit

Notes
1: Name: PROJECT 110
2: Name: Spirit of Invictus, WEST COAST DESIRO Apollo**
3: Invictus branding
4: Name: WEST COAST DESIRO Archimedes**

350/2

Desiro



350264 at Euston

Neil Thaler

Siemens Desiro EMUs. ALL class 350s In use with London North Western Railway.

System	25kV AC Overhead
Gauge	1435mm
Length	20400mm x4
Width	2796mm
Height	172.7t
Builder	Siemens
Max Speed	100mph (350/2)
Power	2,000 kW
Introduced	2008–2009
Bogies	Siemens SGP SF5000

Number		Form	Livery
350231	S	61431, 65231, 67531, 61531	LNG
350232 [(1)]	S	61432, 65232, 67532, 61532	LNG
350233	S	61433, 65233, 67533, 61533	LMI

350234	S	61434, 65234, 67534, 61534	LNG
350235	S	61435, 65235, 67535, 61535	LMI
350236	S	61436, 65236, 67536, 61536	LMI
350237	S	61437, 65237, 67537, 61537	LMI
350238	S	61438, 65238, 67538, 61538	LMI
350239	S	61439, 65239, 67539, 61539	LNG
350240	S	61440, 65240, 67540, 61540	LNG
350241	S	61441, 65241, 67541, 61541	LMI
350242	S	61442, 65242, 67542, 61542	LMI
350243	S	61443, 65243, 67543, 61543	LMI
350244	S	61444, 65244, 67544, 61544	LNG
350245	S	61445, 65245, 67545, 61545	LNG
350246 [(2)]		61446, 65246, 67546, 61546	LMI
350247	S	61447, 65247, 67547, 61547	LMI
350248 [(3)]		61448, 65248, 67548, 61548	LMI
350249	S	61449, 65249, 67549, 61549	LMI
350250 [(4)]		61450, 65250, 67550, 61550	LMI
350251	S	61451, 65251, 67551, 61551	LMI
350252	S	61452, 65252, 67552, 61552	LNG
350253	S	61453, 65253, 67553, 61553	LNG
350254		61454, 65254, 67554, 61554	LNG
350255	S	61455, 65255, 67555, 61555	LMI
350256	S	61456, 65256, 67556, 61556	LMI
350257	S	61457, 65257, 67557, 61557	LNG
350258		61458, 65258, 67558, 61558	LNG
350259	S	61459, 65259, 67559, 61559	LNG
350260	S	61460, 65260, 67560, 61560	LMI
350261	S	61461, 65261, 67561, 61561	LMI
350262	S	61462, 65262, 67562, 61562	LNG
350263	S	61463, 65263, 67563, 61563	LNG
350264	S	61464, 65264, 67564, 61564	LMI
350265	S	61465, 65265, 67565, 61565	LMI
350266	S	61466, 65266, 67566, 61566	LMI
350267	S	61467, 65267, 67567, 61567	LNG

Notes
1: Name: Chad Varah**
2: Name:
3: Name:
4: Name:

Electric Unit

350/3

Desiro



350377 at Crewe May 2025

Dan Cardwell

Siemens Desiro EMUs. ALL class 350s In use with London North Western Railway.

Number	Name		Form	Livery
350368		S	60141, 60511, 60651, 60151	LNG
350369		A	60142, 60512, 60652, 60152	LNG
350370	Lichfield Festival**		60143, 60513, 60653, 60153	LNG
350371			60144, 60514, 60654, 60154	LNG
350372			60145, 60515, 60655, 60155	LNG
350373			60146, 60516, 60656, 60156	LNG
350374			60147, 60517, 60657, 60157	LNG
350375	Vic Hall		60148, 60518, 60658, 60158	LNG
350376			60149, 60519, 60659, 60159	LNG
350377	Graham Taylor OBE		60150, 60520, 60660, 60160	LNG

Electric Unit

350/4

Desiro



350402 at Nuneaton 2023

Dan Cardwell

Siemens Desiro EMUs. ALL class 350s In use with London North Western Railway.

Number	Form	Livery
350401	60691, 60901, 60941, 60671	LNG
350402	60692, 60902, 60942, 60672	LNG
350403	60693, 60903, 60943, 60673	LNG
350404	60694, 60904, 60944, 60674	LNG
350405	60695, 60905, 60945, 60675	LNG
350406	60696, 60906, 60946, 60676	LNG
350407	60697, 60907, 60947, 60677	LNG
350408	60698, 60908, 60948, 60678	LNG
350409	60699, 60909, 60949, 60679	LNG
350410	60700, 60910, 60950, 60680	LNG

357

Electrostar



Electrostar

The 357's are the first members of the Electrostar group.

They were built in Derby, and are used on the London, Tilbury and Southend line.

4 cars per unit

Formation	DMSO-MSO-PTSO-DMSO
System	25kV 50Hz AC Overhead
Introduced	2000
Builder	Adtranz, Bombardier
Power	1,500kW
Max Speed	100mph
Seats	357/0 282 seats,
Bogies	Powered: Adtranz P3-25 Unpowered: Adtranz T3-25

Number	Name	Form	Livery
357001	BARRY FLAXMAN	67651, 74151, 74051, 67751	C2P
357002	ARTHUR LEWIS STRIDE 1841-1922	67652, 74152, 74052, 67752	C2P
357003	SOUTHEND city-on-sea	67653, 74153, 74053, 67753	C2P
357004	TONY AMOS	67654, 74154, 74054, 67754	C2P
357005	SOUTHEND : 2017 Alternative City of Culture	67655, 74155, 74055, 67755	C2P
357006 [1]	DIAMOND JUBILEE 1952-2012	67656, 74156, 74056, 67756	C2C
357007	Sir Andrew Foster	67657, 74157, 74057, 67757	C2P

357008		67658, 74158, 74058, 67758	049
357009		67659, 74159, 74059, 67759	C2P
357010		67660, 74160, 74060, 67760	C2P
357011	JOHN LOWING	67661, 74161, 74061, 67761	C2P
357012		67662, 74162, 74062, 67762	C2C
357013		67663, 74163, 74063, 67763	C2P
357014		67664, 74164, 74064, 67764	C2C
357015		67665, 74165, 74065, 67765	C2C
357016	Michelle Burningham "It is what it is"	67666, 74166, 74066, 67766	C2P
357017		67667, 74167, 74067, 67767	C2C
357018	Remembering Our Fallen 88 1914-1918	67668, 74168, 74068, 67768	C2C
357019 (2)		67669, 74169, 74069, 67769	JUB
357020		67670, 74170, 74070, 67770	C2C
357021		67671, 74171, 74071, 67771	C2P
357022		67672, 74172, 74072, 67772	C2C
357023		67673, 74173, 74073, 67773	C2C
357024		67674, 74174, 74074, 67774	C2C
357025		67675, 74175, 74075, 67775	C2P
357026		67676, 74176, 74076, 67776	C2P
357027		67677, 74177, 74077, 67777	C2C
357028	London, Tilbury and Southend Railway 1854-2004	67678, 74178, 74078, 67778	C2C
357029	THOMAS WHITELEGG 1840-1922	67679, 74179, 74079, 67779	C2C
357030	ROBERT HARBEN WHITELEGG 1871-1957	67680, 74180, 74080, 67780	C2C
357031		67681, 74181, 74081, 67781	C2C
357032		67682, 74182, 74082, 67782	C2C
357033		67683, 74183, 74083, 67783	C2P
357034		67684, 74184, 74084, 67784	C2C
357035		67685, 74185, 74085, 67785	C2C
357036		67686, 74186, 74086, 67786	C2C
357037		67687, 74187, 74087, 67787	C2C
357038		67688, 74188, 74088, 67788	C2C
357039		67689, 74189, 74089, 67789	C2C
357040		67690, 74190, 74090, 67790	C2P
357041		67691, 74191, 74091, 67791	C2C
357042		67692, 74192, 74092, 67792	C2P
357043		67693, 74193, 74093, 67793	C2P
357044		67694, 74194, 74094, 67794	C2C

Electric Unit		
357045	67695, 74195, 74095, 67795	C2C
357046	67696, 74196, 74096, 67796	C2C

Notes
1: Diamond Jubilee branding.
2: Diamond Jubilee branding .

357/2

Electrostar



Weekend diverted 357205 heads in to Stratford with 9R11 Grays to Liverpool Street

Neil Thaler

Electrostar

The 357's are the first members of the Electrostar group.

They were built in Derby, and are used on the London, Tilbury and Southend line.

Seats	357/2 282 seats

Number	Name	Form	Note	Livery
357201	KEN BIRD	68601, 74701, 74601, 68701		C2C
357202	KENNY MITCHELL	68602, 74702, 74602, 68702	Refurbished.	C2C
357203	HENRY PUMFRETT	68603, 74703, 74603, 68703	Refurbished.	GBR
357204	DEREK FOWERS	68604, 74704, 74604, 68704		C2C

Electric Unit			
357205	JOHN D'SILVA	68605, 74705, 74605, 68705	GBR
357206	MARTIN AUNGIER	68606, 74706, 74606, 68706	C2C
357207	JOHN PAGE	68607, 74707, 74607, 68707	C2P
357208	DAVE DAVIS	68608, 74708, 74608, 68708	GBR
357209	JAMES SNELLING	68609, 74709, 74609, 68709	C2P
357210		68610, 74710, 74610, 68710	GBR
357211		68611, 74711, 74611, 68711	C2C

357/3

Electrostar



357319 traverses the level crossing at Rainham (Essex)

Neil Thaler

Seats	357/3 222 seats.

Number	Name		Form	Note	Livery
357312		*357212*	68612, 74712, 74612, 68712		C2C
357313	UPMINSTER I.E.C.C.	*357213*	68613, 74713, 74613, 68713	Refurbished.	C2C
357314		*357214*	68614, 74714, 74614, 68714	Refurbished.	C2C

357315		*357215*	68615, 74715, 74615, 68715	Refurbished.	C2C
357316	Wilko Johnson 1947 - 2022 "He did it right"	*357216*	68616, 74716, 74616, 68716	Refurbished.	C2P
357317	ALLAN BURNELL	*357217*	68617, 74717, 74617, 68717	Refurbished.	C2C
357318		*357218*	68618, 74718, 74618, 68718	Refurbished.	C2P
357319		*357219*	68619, 74719, 74619, 68719	Refurbished.	C2P
357320		*357220*	68620, 74720, 74620, 68720	Refurbished.	GBR
357321		*357221*	68621, 74721, 74621, 68721	Refurbished.	C2C
357322		*357222*	68622, 74722, 74622, 68722	Refurbished.	C2C
357323		*357223*	68623, 74723, 74623, 68723	Refurbished.	C2P
357324		*357224*	68624, 74724, 74624, 68724	Refurbished.	C2C
357325		*357225*	68625, 74725, 74625, 68725	Diamond Jubilee branding. Refurbished.	GBR
357326		*357226*	68626, 74726, 74626, 68726	Refurbished.	C2C
357327	SOUTHEND UNITED	*357227*	68627, 74727, 74627, 68727	Refurbished.	C2C
357328		*357228*	68628, 74728, 74628, 68728	Refurbished.	C2P

360

Desiro



Paul Furse

Built by Siemens on the Desiro platform in 4 or 5 car units.

Formation	4 and 5 car units
System	25kV 50Hz AC Overhead
Introduced	2003
Builder	Siemens
Power	1,550kW
Max Speed	360/1 110mph, 360/2 100mph
Seats	360/1 280, 360/2 333

Number		Form	Livery
360101	A	65551, 72551, 74551, 68551	EMRC
360102	A	65552, 72552, 74552, 68552	EMRC
360103	A	65553, 72553, 74553, 68553	EMRC
360104	A	65554, 72554, 74554, 68554	EMRC
360105	A	65555, 72555, 74555, 68555	EMRC
360106	A	65556, 72556, 74556, 68556	EMRC
360107	A	65557, 72557, 74557, 68557	EMRC
360108	A	65558, 72558, 74558, 68558	EMRC
360109	A	65559, 72559, 74559, 68559	EMRC
360110	A	65560, 72560, 74560, 68560	EMRC
360111	A	65561, 72561, 74561, 68561	EMRC
360112	A	65562, 72562, 74562, 68562	EMRC
360113	A	65563, 72563, 74563, 68563	EMRC
360114	A	65564, 72564, 74564, 68564	EMRC

Electric Unit			
360115	A	65565, 72565, 74565, 68565	EMRC
360116	A	65566, 72566, 74566, 68566	EMRC
360117	A	65567, 72567, 74567, 68567	EMRC
360118	A	65568, 72568, 74568, 68568	EMRC
360119	A	65569, 72569, 74569, 68569	EMRC
360120	A	65570, 72570, 74570, 68570	EMRC
360121	A	65571, 72571, 74571, 68571	EMRC
360201	S	78431, 63421, 72431, 72421, 78441	HEC
360202	S	78432, 63422, 72432, 72422, 78442	HEC
360203	S	78433, 63423, 72433, 72423, 78443	HEC
360204	X	78434, 63424, 72434, 72424, 78444	
360205	X	78435, 63425, 72435, 72425, 78445	

365



Number	Name		Form
365501		X	65894, 72241, 72240, 65935
365502		X	65895, 72243, 72242, 65936
365503		X	65896, 72245, 72244, 65937
365504		X	65897, 72247, 72246, 65938
365505	Spirit of Ramsgate**	X	65898, 72249, 72248, 65939
365506	The Royston Express**	X	65899, 72251, 72250, 65940
365507		X	65900, 72253, 72252, 65941
365508		X	65901, 72255, 72254, 65942
365509		X	65902, 72257, 72256, 65943
365510		X	65903, 72259, 72258, 65944
365511		X	65904, 72261, 72260, 65945

365512		X	65905, 72263, 72262, 65946
365513	Hornsey Depot**	X	65906, 72265, 72264, 65947
365514	Captain George Vancouver**	X	65907, 72267, 72266, 65948
365515	Spirit of Dover**	X	65908, 72269, 72268, 65949
365516		X	65909, 72271, 72270, 65950
365517	Supporting Red Balloon**	X	65910, 72273, 72272, 65951
365518	The Fenman**	X	65911, 72275, 72274, 65952
365519		X	65912, 72277, 72276, 65953
365520		X	65913, 72279, 72278, 65954
365521		X	65914, 72281, 72280, 65955
365522		X	65915, 72283, 72282, 65956
365523		X	65916, 72285, 72284, 65957
365524 [1]		X	65917, 72287, 72286, 65958
365525		X	65918, 72289, 72288, 65959
365526 [2] [3]		X	65919, 72291, 72290, 65960
365527	Robert Stripe Passenger's Champion**	X	65920, 72293, 72292, 65961
365528		X	65921, 72295, 72294, 65962
365529		X	65922, 72297, 72296, 65963
365530	The Interlink Partnership Promoting Integrated Transport in Hertfordshire Since 1999**	X	65923, 72299, 72298, 65964
365531		X	65924, 72301, 72300, 65965
365532		X	65925, 72303, 72302, 65966
365533	Max Appeal**	X	65926, 72305, 72304, 65967
365534		X	65927, 72307, 72306, 65968
365535		X	65928, 72309, 72308, 65969
365536	Rufus Barnes Chief Executive of London TravelWatch for 25 Years**	X	65929, 72311, 72310, 65970
365537	David Edwards (1974-2010) Cambridge Driver**	X	65930, 72313, 72312, 65971
365538		X	65931, 72315, 72314, 65972
365539		X	65932, 72317, 72316, 65973
365540 [4]		X	65933, 72319, 72318, 65974
365541		X	65934, 72321, 72320, 65975

Notes

1: 65917 & 72287 preserved - rest scrapped
2: Withdrawn after the Potters Bar accident 10/05/2002.
3: Livery: NSE
4: 65974 preserved - rest scrapped

375

Electrostar



2T20 0903 Strood to Paddock Wood departs East Farleigh formed of 357305 on a very frosty January morning

Neil Thaler

Electrostar

Built in Derby by Adtranz/Bombardier. They were refurbished between 2015 and 2018.

There's 5 sub sets within the class. 4 are 3rd rail and 1 overhead.

Formation	375/3 3 cars, all the rest 4 cars
System	750 V DC 3rd rail. 375/6 only 25kV 50Hz AC
Introduced	2000
Builder	Adtranz, Bombardier
Power	375/3 1,000kW, others 1,500kWs
Max Speed	100mph
Seats	375/3 176, 375/9 273, others 236

Number	Form	Livery
375301	67921, 74351, 67931	SE3
375302	67922, 74352, 67932	SE3
375303	67923, 74353, 67933	SE3
375304 [1]	67924, 74354, 67934	SE3
375305	67925, 74355, 67935	SE3
375306	67926, 74356, 67936	SE3
375307	67927, 74357, 67937	SE3
375308	67928, 74358, 67938	SE3
375309	67929, 74359, 67939	SE3

Electric Unit		
375310	67930, 74360, 67940	SE3

Notes
1: Name: Medway Valley Line 1856-2006**

375/6

Electrostar



375618 at Maidstone East having arrived on 1U08 Charing Cross to Maidstone East

Neil Thaler

Number	Name	Form	Livery
375601		67801, 74251, 74201, 67851	SE3
375602		67802, 74252, 74202, 67852	SE3
375603		67803, 74253, 74203, 67853	SE3
375604		67804, 74254, 74204, 67854	SE3
375605		67805, 74255, 74205, 67855	SE3
375606		67806, 74256, 74206, 67856	SE3
375607		67807, 74257, 74207, 67857	SE3
375608	BROMLEY TRAVELWISE**	67808, 74258, 74208, 67858	SE3
375609		67809, 74259, 74209, 67859	SE3
375610	Royal Tunbridge Wells**	67810, 74260, 74210, 67860	SE3
375611	DR. WILLIAM HARVEY**	67811, 74261, 74211, 67861	SE3
375612		67812, 74262, 74212, 67862	SE3
375613		67813, 74263, 74213, 67863	SE3
375614		67814, 74264, 74214, 67864	SE3
375615		67815, 74265, 74215, 67865	SE3
375616		67816, 74266, 74216, 67866	SE3
375617		67817, 74267, 74217, 67867	SE3
375618		67818, 74268, 74218, 67868	SE3
375619	DRIVER JOHN NEVE**	67819, 74269, 74219, 67869	SE3
375620		67820, 74270, 74220, 67870	SE3
375621		67821, 74271, 74221, 67871	SE3

Electric Unit

375622		67822, 74272, 74222, 67872	SE3
375623	Hospice in the Weald	67823, 74273, 74223, 67873	SE3
375624	WHITE CLIFFS COUNTRY**	67824, 74274, 74224, 67874	SE3
375625		67825, 74275, 74225, 67875	SE3
375626		67826, 74276, 74226, 67876	SE3
375627		67827, 74277, 74227, 67877	SE3
375628		67828, 74278, 74228, 67878	SE3
375629		67829, 74279, 74229, 67879	SE3
375630		67830, 74280, 74230, 67880	SE3

375/7

Electrostar



375704 heads 2Z28 Waterloo to Dover Priory/Ramsgate 31/08/2017

Neil Thaler

Number	Name	Form	Livery
375701	Kent Air Ambulance Explorer	67831, 74281, 74231, 67881	SE3
375702		67832, 74282, 74232, 67882	SE3
375703	DICKENS TRAVELLER**	67833, 74283, 74233, 67883	SE3
375704		67834, 74284, 74234, 67884	SE3
375705		67835, 74285, 74235, 67885	SE3
375706		67836, 74286, 74236, 67886	SE3
375707		67837, 74287, 74237, 67887	SE3
375708		67838, 74288, 74238, 67888	SE3
375709		67839, 74289, 74239, 67889	SE3
375710	Rochester Castle	67840, 74290, 74240, 67890	SE3
375711		67841, 74291, 74241, 67891	SE3

Electric Unit			
375712		67842, 74292, 74242, 67892	SE3
375713		67843, 74293, 74243, 67893	SE3
375714	Rochester Cathedral	67844, 74294, 74244, 67894	SE3
375715		67845, 74295, 74245, 67895	SE3

375/8

Electrostar



375808 passes Wandsworth Road

Neil Thaler

Number	Name	Form	Livery
375801		73301, 79001, 78201, 73701	SE3
375802		73302, 79002, 78202, 73702	SE3
375803		73303, 79003, 78203, 73703	SE3
375804		73304, 79004, 78204, 73704	SE3
375805		73305, 79005, 78205, 73705	SE3
375806		73306, 79006, 78206, 73706	SE3
375807		73307, 79007, 78207, 73707	SE3
375808		73308, 79008, 78208, 73708	SE3
375809 [(1)]		73309, 79009, 78209, 73709	SE3
375810 [(2)]		73310, 79010, 78210, 73710	SE3
375811		73311, 79011, 78211, 73711	SE3
375812		73312, 79012, 78212, 73712	SE3
375813		73313, 79013, 78213, 73713	SE3
375814		73314, 79014, 78214, 73714	SE3
375815		73315, 79015, 78215, 73715	SE3
375816		73316, 79016, 78216, 73716	SE3
375817		73317, 79017, 78217, 73717	SE3

Electric Unit

375818		73318, 79018, 78218, 73718	SE3
375819		73319, 79019, 78219, 73719	SE3
375820		73320, 79020, 78220, 73720	SE3
375821		73321, 79021, 78221, 73721	SE3
375822 [3]	King Harold II	73322, 79022, 78222, 73722	SE3
375823	Ashford Proudly served by rail for 175 years	73323, 79023, 78223, 73723	SE3
375824		73324, 79024, 78224, 73724	SE3
375825		73325, 79025, 78225, 73725	SE3
375826		73326, 79026, 78226, 73726	SE3
375827		73327, 79027, 78227, 73727	SE3
375828		73328, 79028, 78228, 73728	SE3
375829	Verena Holmes	73329, 79029, 78229, 73729	SE3
375830	City of London	73330, 79030, 78230, 73730	SE3

Notes
1: refurbished
2: refurbished
3: GBR Branding

375/9

Electrostar



375922 sits on the stops at the rear of 2N44 Victoria to Ashford International

Neil Thaler

Number	Form	Livery
375901	73331, 79031, 79061, 73731	SE3

375902	73332, 79032, 79062, 73732	SE3
375903	73333, 79033, 79063, 73733	SE3
375904	73334, 79034, 79064, 73734	SE3
375905	73335, 79035, 79065, 73735	SE3
375906	73336, 79036, 79066, 73736	SE3
375907	73337, 79037, 79067, 73737	SE3
375908	73338, 79038, 79068, 73738	SE3
375909	73339, 79039, 79069, 73739	SE3
375910	73340, 79040, 79070, 73740	SE3
375911	73341, 79041, 79071, 73741	SE3
375912	73342, 79042, 79072, 73742	SE3
375913	73343, 79043, 79073, 73743	SE3
375914	73344, 79044, 79074, 73744	SE3
375915	73345, 79045, 79075, 73745	SE3
375916	73346, 79046, 79076, 73746	SE3
375917	73347, 79047, 79077, 73747	SE3
375918	73348, 79048, 79078, 73748	SE3
375919	73349, 79049, 79079, 73749	SE3
375920	73350, 79050, 79080, 73750	SE3
375921	73351, 79051, 79081, 73751	SE3
375922	73352, 79052, 79082, 73752	SE3
375923	73353, 79053, 79083, 73753	SE3
375924	73354, 79054, 79084, 73754	SE3
375925	73355, 79055, 79085, 73755	SE3
375926	73356, 79056, 79086, 73756	SE3
375927	73357, 79057, 79087, 73757	SE3

376

Electrostar



Electrostar

Built in Derby by Bombardier. Currently in use by Southeastern.

It was derived from the Class 375.

Formation	5 cars per unit
System	750 V DC 3rd rail
Introduced	2004
Builder	Bombardier
Max Speed	75mph
Seats	222 +12 tip up

Number	Form	Livery
376001 [1]	61101, 63301, 64301, 63501, 61601	SE3
376002	61102, 63302, 64302, 63502, 61602	SE3
376003	61103, 63303, 64303, 63503, 61603	SE3
376004	61104, 63304, 64304, 63504, 61604	SE3
376005	61105, 63305, 64305, 63505, 61605	SE3
376006	61106, 63306, 64306, 63506, 61606	SE3
376007	61107, 63307, 64307, 63507, 61607	SE3
376008	61108, 63308, 64308, 63508, 61608	SE3
376009	61109, 63309, 64309, 63509, 61609	SE3
376010	61110, 63310, 64310, 63510, 61610	SE3
376011	61111, 63311, 64311, 63511, 61611	SE3

376012	61112, 63312, 64312, 63512, 61612	SE3
376013	61113, 63313, 64313, 63513, 61613	SE3
376014	61114, 63314, 64314, 63514, 61614	SE3
376015	61115, 63315, 64315, 63515, 61615	SE3
376016	61116, 63316, 64316, 63516, 61616	SE3
376017	61117, 63317, 64317, 63517, 61617	SE3
376018	61118, 63318, 64318, 63518, 61618	SE3
376019	61119, 63319, 64319, 63519, 61619	SE3
376020	61120, 63320, 64320, 63520, 61620	SE3
376021	61121, 63321, 64321, 63521, 61621	SE3
376022	61122, 63322, 64322, 63522, 61622	SE3
376023	61123, 63323, 64323, 63523, 61623	SE3
376024	61124, 63324, 64324, 63524, 61624	SE3
376025	61125, 63325, 64325, 63525, 61625	SE3
376026	61126, 63326, 64326, 63526, 61626	SE3
376027	61127, 63327, 64327, 63527, 61627	SE3
376028	61128, 63328, 64328, 63528, 61628	SE3
376029 [(2)]	61129, 63329, 64329, 63529, 61629	SE3
376030	61130, 63330, 64330, 63530, 61630	SE3
376031	61131, 63331, 64331, 63531, 61631	SE3
376032	61132, 63332, 64332, 63532, 61632	SE3
376033	61133, 63333, 64333, 63533, 61633	SE3
376034	61134, 63334, 64334, 63534, 61634	SE3
376035	61135, 63335, 64335, 63535, 61635	SE3
376036	61136, 63336, 64336, 63536, 61636	SE3

Notes
1: Name: Alan Doggett
2: Name: Tom Wild

377

Electrostar



Electrostar

Dual-voltage class built by Bombardier at Derby.

Used on South London suburban and South East routes

Formation	377/1/2/4/5 4 cars, 377/3 3 cars, 377/6/7 5 cars
System	750 V DC 3rd rail, 377/2/4/5 25kV 50Hz AC only
Introduced	2003
Builder	Bombardier
Power	1,200kW 377/1/2/4/5, 800kW 377/3, 1,400kW 377/6/7
Max Speed	100mph

Number	Form	Note	Livery
377101	78501, 77101, 78901, 78701		SOU
377102	78502, 77102, 78902, 78702		SOU
377103	78503, 77103, 78903, 78703		SOU
377104	78504, 77104, 78904, 78704		SOU
377105	78505, 77105, 78905, 78705		SOU
377106	78506, 77106, 78906, 78706		SOU
377107	78507, 77107, 78907, 78707		SOU
377108	78508, 77108, 78908, 78708		SOU
377109	78509, 77109, 78909, 78709		SOU
377110	78510, 77110, 78910, 78710		SOU

377111	78511, 77111, 78911, 78711	SOU
377112	78512, 77112, 78912, 78712	SOU
377113	78513, 77113, 78913, 78713	SOU
377114	78514, 77114, 78914, 78714	SOU
377115	78515, 77115, 78915, 78715	SOU
377116	78516, 77116, 78916, 78716	SOU
377117	78517, 77117, 78917, 78717	SOU
377118	78518, 77118, 78918, 78718	SOU
377119	78519, 77119, 78919, 78719	SOU
377120	78520, 77120, 78920, 78720	SOU
377121	78521, 77121, 78921, 78721	SOU
377122	78522, 77122, 78922, 78722	SOU
377123	78523, 77123, 78923, 78723	SOU
377124	78524, 77124, 78924, 78724	SOU
377125	78525, 77125, 78925, 78725	SOU
377126	78526, 77126, 78926, 78726	SOU
377127	78527, 77127, 78927, 78727	SOU
377128	78528, 77128, 78928, 78728	SOU
377129	78529, 77129, 78929, 78729	SOU
377130	78530, 77130, 78930, 78730	SOU
377131	78531, 77131, 78931, 78731	SOU
377132	78532, 77132, 78932, 78732	SOU
377133	78533, 77133, 78933, 78733	SOU
377134	78534, 77134, 78934, 78734	SOU
377135	78535, 77135, 78935, 78735	SOU
377136	78536, 77136, 78936, 78736	SOU
377137	78537, 77137, 78937, 78737	SOU
377138	78538, 77138, 78938, 78738	SOU
377139	78539, 77139, 78939, 78739	SOU
377140	78540, 77140, 78940, 78740	SOU
377141	78541, 77141, 78941, 78741	SOU
377142	78542, 77142, 78942, 78742	SOU
377143	78543, 77143, 78943, 78743	SOU
377144	78544, 77144, 78944, 78744	SOU
377145	78545, 77145, 78945, 78745	SOU
377146	78546, 77146, 78946, 78746	SOU
377147	78547, 77147, 78947, 78747	SOU
377148	78548, 77148, 78948, 78748	SOU
377149	78549, 77149, 78949, 78749	SOU
377150	78550, 77150, 78950, 78750	SOU
377151	78551, 77151, 78951, 78751	SOU
377152	78552, 77152, 78952, 78752	SOU
377153	78553, 77153, 78953, 78753	SOU

377154		78554, 77154, 78954, 78754	SOU
377155		78555, 77155, 78955, 78755	SOU
377156		78556, 77156, 78956, 78756	SOU
377157		78557, 77157, 78957, 78757	SOU
377158		78558, 77158, 78958, 78758	SOU
377159		78559, 77159, 78959, 78759	SOU
377160		78560, 77160, 78960, 78760	SOU
377161		78561, 77161, 78961, 78761	SOU
377162		78562, 77162, 78962, 78762	SOU
377163		78563, 77163, 78963, 78763	SOU
377164		78564, 77164, 78964, 78764	SOU
377201		78571, 77171, 78971, 78771	SOU
377202		78572, 77172, 78972, 78772	SOU
377203		78573, 77173, 78973, 78773	SOU
377204		78574, 77174, 78974, 78774	SOU
377205		78575, 77175, 78975, 78775	SOU
377206		78576, 77176, 78976, 78776	SOU
377207		78577, 77177, 78977, 78777	SOU
377208		78578, 77178, 78978, 78778	SOU
377209		78579, 77179, 78979, 78779	SOU
377210		78580, 77180, 78980, 78780	SOU
377211		78581, 77181, 78981, 78781	SOU
377212		78582, 77182, 78982, 78782	SOU
377213		78583, 77183, 78983, 78783	SOU
377214		78584, 77184, 78984, 78784	SOU
377215		78585, 77185, 78985, 78785	SOU
377301	*375311*	68201, 74801, 68401	SOU
377302	*375312*	68202, 74802, 68402	SOU
377303	*375313*	68203, 74803, 68403	SOU
377304	*375314*	68204, 74804, 68404	SOU
377305	*375315*	68205, 74805, 68405	SOU
377306	*375316*	68206, 74806, 68406	SOU
377307	*375317*	68207, 74807, 68407	SOU
377308	*375318*	68208, 74808, 68408	SOU
377309	*375319*	68209, 74809, 68409	SOU
377310	*375320*	68210, 74810, 68410	SOU
377311	*375321*	68211, 74811, 68411	SOU
377312	*375322*	68212, 74812, 68412	SOU
377313	*375323*	68213, 74813, 68413	SOU
377314	*375324*	68214, 74814, 68414	SOU
377315	*375325*	68215, 74815, 68415	SOU
377316	*375326*	68216, 74816, 68416	SOU
377317	*375327*	68217, 74817, 68417	SOU

377318	*375328*	68218, 74818, 68418	SOU
377319	*375329*	68219, 74819, 68419	SOU
377320	*375330*	68220, 74820, 68420	SOU
377321	*375331*	68221, 74821, 68421	SOU
377322	*375332*	68222, 74822, 68422	SOU
377323	*375333*	68223, 74823, 68423	SOU
377324	*375334*	68224, 74824, 68424	SOU
377325	*375335*	68225, 74825, 68425	SOU
377326	*375336*	68226, 74826, 68426	SOU
377327	*375337*	68227, 74827, 68427	SOU
377328	*375338*	68228, 74828, 68428	SOU
377401		73401, 78801, 78601, 73801	SOU
377402		73402, 78802, 78602, 73802	SOU
377403		73403, 78803, 78603, 73803	SOU
377404		73404, 78804, 78604, 73804	SOU
377405		73405, 78805, 78605, 73805	SOU
377406		73406, 78806, 78606, 73806	SOU
377407		73407, 78807, 78607, 73807	SOU
377408		73408, 78808, 78608, 73808	SOU
377409		73409, 78809, 78609, 73809	SOU
377410		73410, 78810, 78610, 73810	SOU
377411		73411, 78811, 78611, 73811	SOU
377412		73412, 78812, 78612, 73812	SOU
377413		73413, 78813, 78613, 73813	SOU
377414		73414, 78814, 78614, 73814	SOU
377415		73415, 78815, 78615, 73815	SOU
377416		73416, 78816, 78616, 73816	SOU
377417		73417, 78817, 78617, 73817	SOU
377418		73418, 78818, 78618, 73818	SOU
377419		73419, 78819, 78619, 73819	SOU
377420		73420, 78820, 78620, 73820	SOU
377421		73421, 78821, 78621, 73821	SOU
377422		73422, 78822, 78622, 73822	SOU
377423		73423, 78823, 78623, 73823	SOU
377424		73424, 78824, 78624, 73824	SOU
377425		73425, 78825, 78625, 73825	SOU
377426		73426, 78826, 78626, 73826	SOU
377427		73427, 78827, 78627, 73827	SOU
377428		73428, 78828, 78628, 73828	SOU
377429		73429, 78829, 78629, 73829	SOU
377430		73430, 78830, 78630, 73830	SOU
377431		73431, 78831, 78631, 73831	SOU
377432		73432, 78832, 78632, 73832	SOU

377433		73433, 78833, 78633, 73833		SOU
377434		73434, 78834, 78634, 73834		SOU
377435		73435, 78835, 78635, 73835		SOU
377436		73436, 78836, 78636, 73836		SOU
377437		73437, 78837, 78637, 73837		SOU
377438		73438, 78838, 78638, 73838		SOU
377439		73439, 78839, 78639, 73839		SOU
377440		73440, 78840, 78640, 73840		SOU
377441		73441, 78841, 78641, 73841		SOU
377442	*377342*	73442, 78842, 78642, 73842	Now reformed as of June 2021	SOU
377443		73443, 78843, 78643, 73843		SOU
377444		73444, 78844, 78644, 73844		SOU
377445		73445, 78845, 78645, 73845		SOU
377446		73446, 78846, 78646, 73846		SOU
377447		73447, 78847, 78647, 73847		SOU
377448		73448, 78848, 78648, 73848		SOU
377449		73449, 78849, 78649, 73849		SOU
377450		73450, 78850, 78650, 73850		SOU
377451		73451, 78851, 78651, 73851		SOU
377452		73452, 78852, 78652, 73852		SOU
377453		73453, 78853, 78653, 73853		SOU
377454		73454, 78854, 78654, 73854		SOU
377455		73455, 78855, 78655, 73855		SOU
377456		73456, 78856, 78656, 73856		SOU
377457		73457, 78857, 78657, 73857		SOU
377458		73458, 78858, 78658, 73858		SOU
377459		73459, 78859, 78659, 73859		SOU
377460		73460, 78860, 78660, 73860		SOU
377461		73461, 78861, 78661, 73861		SOU
377462		73462, 78862, 78662, 73862		SOU
377463		73463, 78863, 78663, 73863		SOU
377464		73464, 78864, 78664, 73864		SOU
377465		73465, 78865, 78665, 73865		SOU
377466		73466, 78866, 78666, 73866		SOU
377467		73467, 78867, 78667, 73867		SOU
377468		73468, 78868, 78668, 73868		SOU
377469		73469, 78869, 78669, 73869		SOU
377470		73470, 78870, 78670, 73870		SOU
377471		73471, 78871, 78671, 73871		SOU
377472		73472, 78872, 78672, 73872		SOU
377473		73473, 78873, 78673, 73873		SOU
377474		73474, 78874, 78674, 73874		SOU

377475	73475, 78875, 78675, 73875		SOU
377501	73501, 75901, 74901, 73601	Sub-leased from Southern.	SE3
377502	73502, 75902, 74902, 73602	Sub-leased from Southern.	SE3
377503	73503, 75903, 74903, 73603	Sub-leased from Southern.	SE3
377504	73504, 75904, 74904, 73604	Sub-leased from Southern.	SE3
377505	73505, 75905, 74905, 73605	Sub-leased from Southern.	SE3
377506	73506, 75906, 74906, 73606	Sub-leased from Southern.	SE3
377507	73507, 75907, 74907, 73607	Sub-leased from Southern.	SE3
377508	73508, 75908, 74908, 73608	Sub-leased from Southern.	SE3
377509	73509, 75909, 74909, 73609	Sub-leased from Southern.	SE3
377510	73510, 75910, 74910, 73610	Sub-leased from Southern.	SE3
377511	73511, 75911, 74911, 73611	Sub-leased from Southern.	SE3
377512	73512, 75912, 74912, 73612	Sub-leased from Southern.	SE3
377513	73513, 75913, 74913, 73613	Sub-leased from Southern.	SE3
377514	73514, 75914, 74914, 73614	Sub-leased from Southern.	SE3
377515	73515, 75915, 74915, 73615	Sub-leased from Southern.	SE3
377516	73516, 75916, 74916, 73616	Sub-leased from Southern.	SE3
377517	73517, 75917, 74917, 73617	Sub-leased from Southern.	SE3
377518	73518, 75918, 74918, 73618	Sub-leased from Southern.	SE3
377519	73519, 75919, 74919, 73619	Sub-leased from Southern.	SE3
377520	73520, 75920, 74920, 73620	Sub-leased from Southern.	SE3
377521	73521, 75921, 74921, 73621	Sub-leased from Southern.	SE3
377522	73522, 75922, 74922, 73622	Sub-leased from Southern.	SE3

Electric Unit

377523	73523, 75923, 74923, 73623	Sub-leased from Southern.	SE3
377601	70101, 70201, 70301, 70401, 70501		SOU
377602	70102, 70202, 70302, 70402, 70502		SOU
377603	70103, 70203, 70303, 70403, 70503		SOU
377604	70104, 70204, 70304, 70404, 70504		SOU
377605	70105, 70205, 70305, 70405, 70505		SOU
377606	70106, 70206, 70306, 70406, 70506		SOU
377607	70107, 70207, 70307, 70407, 70507		SOU
377608	70108, 70208, 70308, 70408, 70508		SOU
377609	70109, 70209, 70309, 70409, 70509		SOU
377610	70110, 70210, 70310, 70410, 70510		SOU
377611	70111, 70211, 70311, 70411, 70511		SOU
377612	70112, 70212, 70312, 70412, 70512		SOU
377613	70113, 70213, 70313, 70413, 70513		SOU
377614	70114, 70214, 70314, 70414, 70514		SOU
377615	70115, 70215, 70315, 70415, 70515		SOU
377616	70116, 70216, 70316, 70416, 70516		SOU
377617	70117, 70217, 70317, 70417, 70517		SOU
377618	70118, 70218, 70318, 70418, 70518		SOU
377619	70119, 70219, 70319, 70419, 70519		SOU
377620	70120, 70220, 70320, 70420, 70520		SOU
377621	70121, 70221, 70321, 70421, 70521		SOU

Electric Unit		
377622	70122, 70222, 70322, 70422, 70522	SOU
377623	70123, 70223, 70323, 70423, 70523	SOU
377624	70124, 70224, 70324, 70424, 70524	SOU
377625	70125, 70225, 70325, 70425, 70525	SOU
377626	70126, 70226, 70326, 70426, 70526	SOU
377701	65201, 70601, 65601, 70701, 65401	SOU
377702	65202, 70602, 65602, 70702, 65402	SOU
377703	65203, 70603, 65603, 70703, 65403	SOU
377704	65204, 70604, 65604, 70704, 65404	SOU
377705	65205, 70605, 65605, 70705, 65405	SOU
377706	65206, 70606, 65606, 70706, 65406	SOU
377707	65207, 70607, 65607, 70707, 65407	SOU
377708	65208, 70608, 65608, 70708, 65408	SOU

378

Electrostar



MRG

Electrostar

Built for London Overground network by Bombardier in Derby.

Formation	5 cars per unit
System	750 V DC 3rd rail and 25kV for 378/2
Introduced	2009
Builder	Bombardier
Max Speed	75mph
Seats	1178 total includes fixed seats, tip up and standing
Power	2,400kW

Number	Name	Form	Note	Livery
378135	Daks Hamilton	38035, 38235, 38335, 38435, 38135		LON
378136	Transport for London	38036, 38236, 38336, 38436, 38136		LON
378137		38037, 38237, 38337, 38437, 38137		LOG
378138		38038, 38238, 38338, 38438, 38138		LOG
378139		38039, 38239, 38339, 38439, 38139		LOG

378140			38040, 38240, 38340, 38440, 38140		LOG
378141			38041, 38241, 38341, 38441, 38141		LOG
378142			38042, 38242, 38342, 38442, 38142		LOG
378143			38043, 38243, 38343, 38443, 38143		LOG
378144			38044, 38244, 38344, 38444, 38144		LOG
378145			38045, 38245, 38345, 38445, 38145		LOG
378146			38046, 38246, 38346, 38446, 38146		LOG
378147			38047, 38247, 38347, 38447, 38147		LON
378148			38048, 38248, 38348, 38448, 38148		LOG
378149			38049, 38249, 38349, 38449, 38149		LOG
378150			38050, 38250, 38350, 38450, 38150	Fitted with de-icing equipment.	LON
378151			38051, 38251, 38351, 38451, 38151	Fitted with de-icing equipment.	LOG
378152			38052, 38252, 38352, 38452, 38152	Fitted with de-icing equipment.	LOG
378153			38053, 38253, 38353, 38453, 38153	Fitted with de-icing equipment.	LOG
378154			38054, 38254, 38354, 38454, 38154	Fitted with de-icing equipment.	LOG
378201		*378001*	38001, 38201, 38301, 38401, 38101		LON
378202		*378002*	38002, 38202, 38302, 38402, 38102		LON
378203		*378003*	38003, 38203, 38303, 38403, 38103		LON
378204	Professor Sir Peter Hall	*378004*	38004, 38204, 38304, 38404, 38104		LON
378205		*378005*	38005, 38205, 38305, 38405, 38105		LON

378206		*378006*	38006, 38206, 38306, 38406, 38106		LON
378207		*378007*	38007, 38207, 38307, 38407, 38107		LON
378208		*378008*	38008, 38208, 38308, 38408, 38108		LON
378209		*378009*	38009, 38209, 38309, 38409, 38109		LON
378210		*378010*	38010, 38210, 38310, 38410, 38110		LON
378211	Gary Hunter	*378011*	38011, 38211, 38311, 38411, 38111		LON
378212		*378012*	38012, 38212, 38312, 38412, 38112		LOG
378213		*378013*	38013, 38213, 38313, 38413, 38113		LON
378214		*378014*	38014, 38214, 38314, 38414, 38114		LON
378215		*378015*	38015, 38215, 38315, 38415, 38115		LOG
378216		*378016*	38016, 38216, 38316, 38416, 38116	Fitted with de-icing equipment.	LOG
378217		*378017*	38017, 38217, 38317, 38417, 38117	Fitted with de-icing equipment.	LOG
378218		*378018*	38018, 38218, 38318, 38418, 38118	Fitted with de-icing equipment.	LON
378219		*378019*	38019, 38219, 38319, 38419, 38119	Fitted with de-icing equipment.	LON
378220		*378020*	38020, 38220, 38320, 38420, 38120	Fitted with de-icing equipment.	LON
378221		*378021*	38021, 38221, 38321, 38421, 38121		LON
378222		*378022*	38022, 38222, 38322, 38422, 38122		LON
378223		*378023*	38023, 38223, 38323, 38423, 38123		LON
378224		*378024*	38024, 38224, 38324, 38424, 38124		LOG
378225			38025, 38225, 38325, 38425, 38125		LON

Electric Unit

378226			38026, 38226, 38326, 38426, 38126	LON
378227			38027, 38227, 38327, 38427, 38127	LON
378228			38028, 38228, 38328, 38428, 38128	LON
378229			38029, 38229, 38329, 38429, 38129	LON
378230			38030, 38230, 38330, 38430, 38130	LON
378231			38031, 38231, 38331, 38431, 38131	LON
378232	Jeff Langston	*378132*	38032, 38232, 38332, 38432, 38132	LON
378233	Ian Brown CBE	*378133*	38033, 38233, 38333, 38433, 38133	LON
378234		*378134*	38034, 38234, 38334, 38434, 38134	LOG
378255			38055, 38255, 38355, 38455, 38155	LOG
378256			38056, 38256, 38356, 38456, 38156	LON
378257			38057, 38257, 38357, 38457, 38157	LOG

379

Electrostar



John J Cordrey

Electrostar

Electric Unit

Originally built by Bombardier for use on Stansted Express.

All 30 have now been purchased by Porterbrook and will be used by Great Northern

The units have now started operating on the King's Cross to Letchworth schedule in an 8 car formation.

Formation	4 cars per unit
Introduced	2011
Builder	Bombardier
Max Speed	100mph
System	25kV 50Hz A Overhead
Seats	209
Power	1680kW

Number	Name		Form	Livery
379001		A	61201, 61901, 61701, 62101	NXU
379002		A	61202, 61902, 61702, 62102	NXU
379003		A	61203, 61903, 61703, 62103	NXU
379004		A	61204, 61904, 61704, 62104	NXU
379005	Stansted Express**	A	61205, 61905, 61705, 62105	NXU
379006		A	61206, 61906, 61706, 62106	NXU
379007		A	61207, 61907, 61707, 62107	NXU
379008		A	61208, 61908, 61708, 62108	NXU
379009		A	61209, 61909, 61709, 62109	NXU
379010		A	61210, 61910, 61710, 62110	NXU
379011	Ely Cathedral**	A	61211, 61911, 61711, 62111	NXU
379012	The West Anglian**	S	61212, 61912, 61712, 62112	NXU
379013		S	61213, 61913, 61713, 62113	NXU
379014		A	61214, 61914, 61714, 62114	NXU
379015	City of Cambridge**	S	61215, 61915, 61715, 62115	NXU
379016		A	61216, 61916, 61716, 62116	NXU
379017		A	61217, 61917, 61717, 62117	NXU
379018		A	61218, 61918, 61718, 62118	NXU
379019		A	61219, 61919, 61719, 62119	NXU
379020		A	61220, 61920, 61720, 62120	NXU
379021		A	61221, 61921, 61721, 62121	NXU
379022		A	61222, 61922, 61722, 62122	NXU
379023		A	61223, 61923, 61723, 62123	NXU
379024		A	61224, 61924, 61724, 62124	NXU
379025	Go Discover**	A	61225, 61925, 61725, 62125	NXU
379026		A	61226, 61926, 61726, 62126	NXU
379027		A	61227, 61927, 61727, 62127	NXU
379028		A	61228, 61928, 61728, 62128	NXU

Electric Unit

379029	A	61229, 61929, 61729, 62129	NXU
379030	S	61230, 61930, 61730, 62130	NXU

380

Desiro



Desiro

Used by ScotRail and built in Germany.

Used out of Glasgow mainly on western routes.

380/0 3 cars,

Formation	DMSO(A)-PTSO-DMSO(B)
System	25kV 50Hz AC Overhead
Introduced	2010
Builder	Siemens
Power	2,000kW
Max Speed	100mph
Seats	380/0 191,

Number	Form	Livery
380001	38501, 38601, 38701	ASR
380002	38502, 38602, 38702	ASR
380003	38503, 38603, 38703	ASR
380004	38504, 38604, 38704	ASR

Electric Unit		
380005	38505, 38605, 38705	ASR
380006	38506, 38606, 38706	ASR
380007	38507, 38607, 38707	ASR
380008	38508, 38608, 38708	ASR
380009	38509, 38609, 38709	ASR
380010	38510, 38610, 38710	ASR
380011	38511, 38611, 38711	ASR
380012	38512, 38612, 38712	ASR
380013	38513, 38613, 38713	ASR
380014	38514, 38614, 38714	ASR
380015	38515, 38615, 38715	ASR
380016	38516, 38616, 38716	ASR
380017	38517, 38617, 38717	ASR
380018	38518, 38618, 38718	ASR
380019	38519, 38619, 38719	ASR
380020	38520, 38620, 38720	ASR
380021	38521, 38621, 38721	ASR
380022	38522, 38622, 38722	ASR

380/1

Desiro



380104 at Glasgow Central

Neil Thaler

Desiro.

Used by ScotRail and built in Germany.

Used out of Glasgow mainly on western routes.

380/1 4 cars

Electric Unit

Seats	380/1 265
Formation	DMSO(A)-PTSO-TSO-DMSO(B)

Number	Form	Livery
380101	38551, 38651, 38851, 38751	ASR
380102	38552, 38652, 38852, 38752	ASR
380103	38553, 38653, 38853, 38753	ASR
380104	38554, 38654, 38854, 38754	ASR
380105	38555, 38655, 38855, 38755	ASR
380106	38556, 38656, 38856, 38756	ASR
380107	38657, 38857, 38757, 38757	ASR
380108	38558, 38658, 38858, 38758	ASR
380109	38559, 38659, 38859, 38759	ASR
380110	38560, 38660, 38860, 38760	ASR
380111	38561, 38661, 38861, 38761	ASR
380112	38562, 38662, 38862, 38762	ASR
380113	38563, 38663, 38863, 38763	ASR
380114	38564, 38664, 38864, 38764	ASR
380115	38565, 38665, 38865, 38765	ASR
380116	38566, 38666, 38866, 38766	ASR

385

A-train



MRG

Used by ScotRail part of the AT200 family.

Electric Unit

Used mainly on the Central Belt routes

385/0 3 cars units

Gauge	1,435 mm (4 ft 8 1⁄2 in)
System	25 kV 50 Hz AC Overhead
Length	Car length: 23 m (75 ft 6 in)
Introduced	July 2018
Builder	Hitachi Rail
Max Speed	100 mph (161 km/h)
Seats	3 car 206

Number	Form	Livery
385001	441001, 442001, 444001	ASR
385002	441002, 442002, 444002	ASR
385003	441003, 442003, 444003	ASR
385004	441004, 442004, 444004	ASR
385005	441005, 442005, 444005	ASR
385006	441006, 442006, 444006	ASR
385007	441007, 442007, 444007	ASR
385008	441008, 442008, 444008	ASR
385009	441009, 442009, 444009	ASR
385010	441010, 442010, 444010	ASR
385011	441011, 442011, 444011	ASR
385012	441012, 442012, 444012	ASR
385013	441013, 442013, 444013	ASR
385014	441014, 442014, 444014	ASR
385015	441015, 442015, 444015	ASR
385016	441016, 442016, 444016	ASR
385017	441017, 442017, 444017	ASR
385018	441018, 442018, 444018	ASR
385019	441019, 442019, 444019	ASR
385020	441020, 442020, 444020	ASR
385021	441021, 442021, 444021	ASR
385022	441022, 442022, 444022	ASR
385023	441023, 442023, 444023	ASR
385024	441024, 442024, 444024	ASR
385025	441025, 442025, 444025	ASR
385026	441026, 442026, 444026	ASR
385027	441027, 442027, 444027	ASR
385028	441028, 442028, 444028	ASR
385029	441029, 442029, 444029	ASR
385030	441030, 442030, 444030	ASR

Electric Unit

385031	441031, 442031, 444031	ASR
385032	441032, 442032, 444032	ASR
385033	441033, 442033, 444033	ASR
385034	441034, 442034, 444034	ASR
385035	441035, 442035, 444035	ASR
385036	441036, 442036, 444036	ASR
385037	441037, 442037, 444037	ASR
385038	441038, 442038, 444038	ASR
385039	441039, 442039, 444039	ASR
385040	441040, 442040, 444040	ASR
385041	441041, 442041, 444041	ASR
385042	441042, 442042, 444042	ASR
385043	441043, 442043, 444043	ASR
385044	441044, 442044, 444044	ASR
385045	441045, 442045, 444045	ASR
385046	441046, 442046, 444046	ASR

385/1

A-train

Used by ScotRail part of the AT200 family.

Used mainly on the Central Belt routes

385/1 4 cars units

Seats	4 car 273

Number	Form	Livery
385101	441101, 442101, 443101, 444101	ASR
385102	441102, 442102, 443102, 444102	ASR
385103	441103, 442103, 443103, 444103	ASR
385104	441104, 442104, 443104, 444104	ASR
385105	441105, 442105, 443105, 444105	ASR
385106	441106, 442106, 443106, 444106	ASR
385107	441107, 442107, 443107, 444107	ASR
385108	441108, 442108, 443108, 444108	ASR
385109	441109, 442109, 443109, 444109	ASR
385110	441110, 442110, 443110, 444110	ASR
385111	441111, 442111, 443111, 444111	ASR
385112	441112, 442112, 443112, 444112	ASR
385113	441113, 442113, 443113, 444113	ASR

Electric Unit		
385114	441114, 442114, 443114, 444114	ASR
385115	441115, 442115, 443115, 444115	ASR
385116	441116, 442116, 443116, 444116	ASR
385117	441117, 442117, 443117, 444117	ASR
385118	441118, 442118, 443118, 444118	ASR
385119	441119, 442119, 443119, 444119	ASR
385120	441120, 442120, 443120, 444120	ASR
385121	441121, 442121, 443121, 444121	ASR
385122	441122, 442122, 443122, 444122	ASR
385123	441123, 442123, 443123, 444123	ASR
385124	441124, 442124, 443124, 444124	ASR

387

Electrostar



Neil Thaler

Originally used on the Thameslink services they were all transferred to the Great Northern route in 2017.

Now in use with the following. Southern/Gatwick Express/Heathrow Express and Great Western.

Introduced	December 2014
Gauge	1,435 mm (4 ft 8 1/2 in)
Builder	Bombardier Transportation, Derby, UK
Max Speed	110 mph

Number	Name	Form	Livery

387101		S	421101, 422101, 423101, 424101	TLK
387102			421102, 422102, 423102, 424102	TLK
387103			421103, 422103, 423103, 424103	TLK
387104			421104, 422104, 423104, 424104	TLK
387105			421105, 422105, 423105, 424105	TLK
387106			421106, 422106, 423106, 424106	TLK
387107			421107, 422107, 423107, 424107	TLK
387108			421108, 422108, 423108, 424108	TLK
387109			421109, 422109, 423109, 424109	TLK
387110			421110, 422110, 423110, 424110	TLK
387111			421111, 422111, 423111, 424111	TLK
387112			421112, 422112, 423112, 424112	TLK
387113			421113, 422113, 423113, 424113	TLK
387114			421114, 422114, 423114, 424114	TLK
387115			421115, 422115, 423115, 424115	TLK
387116			421116, 422116, 423116, 424116	TLK
387117			421117, 422117, 423117, 424117	TLK
387118			421118, 422118, 423118, 424118	TLK
387119			421119, 422119, 423119, 424119	TLK
387120			421120, 422120, 423120, 424120	TLK
387121			421121, 422121, 423121, 424121	TLK
387122			421122, 422122, 423122, 424122	TLK
387123			421123, 422123, 423123, 424123	SOU
387124	Paul McCann		421124, 422124, 423124, 424124	TLK
387125			421125, 422125, 423125, 424125	TLK
387126			421126, 422126, 423126, 424126	SOU
387127			421127, 422127, 423127, 424127	TLK
387128			421128, 422128, 423128, 424128	SOU
387129			421129, 422129, 423129, 424129	SOU
387130	SAN FRANCISCO		421130, 422130, 423130, 424130	HEP
387131	SYDNEY		421131, 422131, 423131, 424131	HEP
387132	NEW YORK		421132, 422132, 423132, 424132	HEP
387133	TOKYO		421133, 422133, 423133, 424133	HEP
387134	BARCELONA		421134, 422134, 423134, 424134	HEP
387135	ROME		421135, 422135, 423135, 424135	HEP
387136	PARIS		421136, 422136, 423136, 424136	HEP
387137	AMSTERDAM		421137, 422137, 423137, 424137	HEP
387138	LAS VEGAS		421138, 422138, 423138, 424138	HEP
387139	DUBLIN		421139, 422139, 423139, 424139	HEP
387140	LONDON		421140, 422140, 423140, 424140	HEP
387141	PRAGUE		421141, 422141, 423141, 424141	HEP
387142			421142, 422142, 423142, 424142	GWU
387143			421143, 422143, 423143, 424143	GWU

387144	421144, 422144, 423144, 414144	GWU
387145	421145, 422145, 423145, 424145	GWU
387146	421146, 422146, 423146, 424146	GWU
387147	421147, 422147, 423147, 424147	GWU
387148	421148, 422148, 423148, 424148	GWU
387149	421149, 422149, 423149, 424149	GWU
387150	421150, 422150, 423150, 424150	GWU
387151	421151, 422151, 423151, 424151	GWU
387152	421152, 422152, 423152, 424152	GWU
387153	421153, 422153, 423153, 424153	GWU
387154	421154, 422154, 423154, 424154	GWU
387155	421155, 422155, 423155, 424155	GWU
387156	421156, 422156, 423156, 424156	GWU
387157	421157, 422157, 423157, 424157	GWU
387158	421158, 422158, 423158, 424158	GWU
387159	421159, 422159, 423159, 424159	GWU
387160	421160, 422160, 423160, 424160	GWU
387161	421161, 422161, 423161, 421161	GWU
387162	421162, 422162, 423162, 424162	GWU
387163	421163, 422163, 423163, 424163	GWU
387164	421164, 422164, 423164, 424164	GWU
387165	421165, 422165, 423165, 424165	GWU
387166	421166, 422166, 423166, 424166	GWU
387167	421167, 422167, 423167, 424167	GWU
387168	421168, 422168, 423168, 424168	GWU
387169	421169, 422169, 423169, 424169	GWU
387170	421170, 422170, 422170, 424170	GWU
387171	421171, 422171, 423171, 424171	GWU
387172	421172, 422172, 423172, 424172	GBR
387173	421173, 422173, 423173, 424173	GWU
387174	421174, 422174, 423174, 424174	GWU
387201 [(1)]	421201, 422201, 423201, 424201	GTS
387202 [(2)]	421202, 422202, 423202, 424202	GTS
387203 [(3)]	421203, 422203, 423203, 424203	GTS
387204	421204, 422204, 423204, 424204	GTS
387205	421205, 422205, 423205, 424205	GTS
387206	421206, 422206, 423206, 424206	GTS

387207		421207, 422207, 423207, 424207	GTS
387208		421208, 422208, 423208, 424208	GTS
387209		421209, 422209, 423209, 424209	GTS
387210		421210, 422210, 423210, 424210	GTS
387211		421211, 422211, 423211, 424211	GTS
387212		421212, 422212, 423212, 424212	GTS
387213		421213, 422213, 423213, 424213	GTS
387214		421214, 422214, 423214, 424214	GTS
387215		421215, 422215, 423215, 424215	GTS
387216		421216, 422216, 423216, 424216	GTS
387217		421217, 422217, 423217, 424217	GTS
387218		421218, 422218, 423218, 424218	GTS
387219		421219, 422219, 423219, 424219	GTS
387220		421220, 422220, 423220, 424220	GTS
387221		421221, 422221, 423221, 424221	GTS
387222		421222, 422222, 423222, 424222	GTS
387223		421223, 422223, 423223, 424223	GTS
387224		421224, 422224, 423224, 424224	GTS
387225		421225, 422225, 423225, 424225	GTS
387226		421226, 422226, 423226, 424226	GTS
387227		421227, 422227, 423227, 424227	GTS
387301		421301, 422301, 423301, 424301	SOB
387302		421302, 422302, 423302, 424302	SOB
387303		421303, 422303, 423303, 424303	C2C
387304	S	421304, 422304, 423304, 424304	C2C
387305		421305, 422305, 423305, 424305	SOB
387306		421306, 422306, 423306, 424306	SOB

Electric Unit

Notes
1: British Airways Vinyls
2: British Airways Vinyls
3: British Airways Vinyls

390



390011 climbing Shap in July 2013

MRG

Pendolino, tilting express units used on West Coast mainline services between Euston and Birmingham, Manchester, Liverpool and Glasgow etc.

All were refurbished between 2021 and 2024.

System	25kV
Introduced	2002
Builder	Alstom
Max Speed	140 mph
Power	390/0 5,100kW, 390/1 5,950kW

Number	Name	Form	Note	Livery
390001	Virgin Pioneer**, Bee Together	69101, 69401, 69501, 69601, 68801, 69701, 69801, 69901, 69201		ATV
390002	Stephen Sutton	69102, 69402, 69502, 69602, 68802, 69702, 69802, 69902, 69202		ATV

Electric Unit

390005	City of Wolverhampton			69105, 69405, 69505, 69605, 68805, 69705, 69805, 69905, 69205		ATV
390006	Virgin Sun**, Mission: Impossible**, Rethink Mental Illness			69106, 69406, 69506, 69606, 68806, 69706, 69806, 69906, 69206		ATV
390008	Virgin King**, CHARLES RENNIE MACKINTOSH			69108, 69408, 69508, 69608, 68808, 69708, 69808, 69908, 69208		ATV
390009	Virgin Queen**, Treaty of Union			69109, 69409, 69509, 69609, 68809, 69709, 69809, 69909, 69209		ATV
390010	Commonwealth Games 2002**, Chris Green**, A Decade of Progress**, The Cumbrian Spirit			69110, 69410, 69510, 69610, 68810, 69710, 69810, 69910, 69210		ATV
390011	City of Lichfield			69111, 69411, 69511, 69611, 68811, 69711, 69811, 69911, 69211		ATV
390013	Virgin Spirit**, Blackpool Belle			69113, 69413, 69513, 69613, 68813, 69713, 69813, 69913, 69213		ATV
390020	Virgin Cavalier**	*390200*		69120, 69420, 69520, 69620, 68820, 69720, 69820, 69920, 69220	Rail 200 Branding	ATV
390033	City of Glasgow**		X	69133, 69433, 69533, 69633, 68833, 69733, 69833, 69933, 69233	Withdrawn after the Grayrigg accident 23/02/2007. 69133 & 69833 retained at Crewe for training purposes	
390039	Virgin Quest**, Lady Godiva			69139, 69439, 69539, 69639, 68839, 69739, 69839, 69939, 69239		ATV

390040	Virgin Radio Star**		69140, 69440, 69540, 69640, 68840, 69740, 69840, 69940, 69240	ATV
390042	City of Bangor/Dinas Bangor		69142, 69442, 69542, 69642, 68842, 69742, 69842, 69942, 69242	ATV
390043	Birmingham Pride 25 Years		69143, 69443, 69543, 69643, 68843, 69743, 69843, 69943, 69243	ATV
390044	Virgin Lionheart**, Royal Scot		69144, 69444, 69544, 69644, 68844, 69744, 69844, 69944, 69244	ATV
390045	Virgin Valiant**, 101 Squadron**, Virgin Pride**, BIRMINGHAM PRIDE		69145, 69445, 69545, 69645, 68845, 69745, 69845, 69945, 69245	ATV
390046	Virgin Soldiers**		69146, 69446, 69546, 69646, 68846, 69746, 69846, 69946, 69246	ATV
390047	CLIC Sargent		69147, 69447, 69547, 69647, 68847, 69747, 69847, 69947, 69247	ATV
390049	Virgin Express**		69149, 69449, 69549, 69649, 68849, 69749, 69849, 69949, 69249	ATV
390050	Virgin Invader**		69150, 69450, 69550, 69650, 68850, 69750, 69850, 69950, 69250	ATV
390103	Virgin Hero**, Asquith Xavier	*390003*	69103, 69403, 69503, 69603, 65303, 68903, 68803, 69703, 69803, 69903, 69203	ATV
390104	Alstom Pendolino	*390004*	69104, 69404, 69504, 69604, 65304, 68904, 68804, 69704, 69804, 69904, 69204	ATV
390107	Independence Day Resurgence	*390007*	69107, 69407, 69507, 69607, 65307, 68907, 68807, 69707, 69807, 69907, 69207	ATV
390112	Virgin Star**	*390012*	69112, 69412, 69512, 69612, 65312, 68912, 68812, 69712, 69812, 69912, 69212	ATV

390114	City of Manchester	*390014*		69114, 69414, 69514, 69614, 65314, 68914, 68814, 69714, 69814, 69914, 69214		ATV
390115	Virgin Crusader**, Crewe - All Change	*390015*		69115, 69415, 69515, 69615, 65315, 68915, 68815, 69715, 69815, 69915, 69215		ATV
390117	Virgin Prince**, Blue Peter	*390017*	R	69117, 69417, 69517, 69617, 65317, 68917, 68817, 69717, 69817, 69917, 69217	Derailed at Shap, 03/11/25	ATV
390118	Virgin Princess**	*390018*		69118, 69418, 69518, 69618, 65318, 68918, 68818, 69718, 69818, 69918, 69218		ATV
390119	Virgin Warrior**, Unknown Soldier**, PROGRESS	*390019*		69119, 69419, 69519, 69619, 65319, 68919, 68819, 69719, 69819, 69919, 69219	Livery PRIDE various colours	ADV
390121	Virgin Dream**, OPPORTUNITY	*390021*		69121, 69421, 69521, 69621, 65321, 68921, 68821, 69721, 69821, 69921, 69221	Race against Climate Change various colours	ADV
390122	Virgin Hope**, Penny the Pendolino**, Beth Tweddle MBE	*390022*		69122, 69422, 69522, 69622, 65322, 68922, 68822, 69722, 69822, 69922, 69222		ATV
390123	Virgin Glory**	*390023*		69123, 69423, 69523, 69623, 65323, 68923, 68823, 69723, 69823, 69923, 69223		ATV
390124	Virgin Venturer**	*390024*		69124, 69424, 69524, 69624, 65324, 68924, 68824, 69724, 69824, 69924, 69224		ATV
390125	Virgin Stagecoach**	*390025*		69125, 69425, 69525, 69625, 65325, 68925, 68825, 69725, 69825, 69925, 69225		ATV

390126	Virgin Enterprise**	*390026*	69126, 69426, 69526, 69626, 65326, 68926, 68826, 69726, 69826, 69926, 69226	ATV
390127	Virgin Buccaneer**, Jessica Varnish**	*390027*	69127, 69427, 69527, 69627, 65327, 68927, 68827, 69727, 69827, 69927, 69227	ATV
390128	City of Preston	*390028*	69128, 69428, 69528, 69628, 65328, 68928, 68828, 69728, 69828, 69928, 69228	ATV
390129	City of Stoke-on-Trent**, City of Stoke-on-Trent Centenary 1925-2025	*390029*	69129, 69429, 69529, 69629, 65329, 68929, 68829, 69729, 69829, 69929, 69229	ATV
390130	City of Edinburgh	*390030*	69130, 69430, 69530, 69630, 65330, 68930, 68830, 69730, 69830, 69930, 69230	ATV
390131	City of Liverpool	*390031*	69131, 69431, 69531, 69631, 65331, 68931, 68831, 69731, 69831, 69931, 69231	ATV
390132	City of Birmingham	*390032*	69132, 69432, 69532, 69632, 65332, 68932, 68832, 69732, 69832, 69932, 69232	ATV
390134	City of Carlisle	*390034*	69134, 69434, 69534, 69634, 65334, 68934, 68834, 69734, 69834, 69934, 69234	ATV
390135	City of Lancaster	*390035*	69135, 69435, 69535, 69635, 65335, 68935, 68835, 69735, 69835, 69935, 69235	ATV
390136	City of Coventry	*390036*	69136, 69436, 69536, 69636, 65336, 68936, 68836, 69736, 69836, 69936, 69236	ATV
390137	Virgin Difference**	*390037*	69137, 69437, 69537, 69637, 65337, 68937, 68837, 69737, 69837, 69937, 69237	ATV

390138	City of London	*390038*	69138, 69438, 69538, 69638, 65338, 68938, 68838, 69738, 69838, 69938, 69238		ATV
390141	City of Chester**	*390041*	69141, 69441, 69541, 69641, 65341, 68941, 68841, 69741, 69841, 69941, 69241		ATV
390148	Flying Scouseman	*390048*	69148, 69448, 69548, 69648, 65348, 68948, 68848, 69748, 69848, 69948, 69248		ATV
390151	Virgin Ambassador** Unknown Soldier	*390051*	69151, 69451, 69551, 69651, 65351, 68951, 68851, 69751, 69851, 69951, 69251	Business is Great vinyls.	ATV
390152	Virgin Knight - Alison Waters**	*390052*	69152, 69452, 69552, 69652, 65352, 68952, 68852, 69752, 69852, 69952, 69252		ATV
390153	Mission Accomplished**	*390053*	69153, 69453, 69553, 69653, 65353, 68953, 68853, 69753, 69853, 69953, 69253		ATV
390154	Matthew Flinders	*390054*	69154, 69454, 69554, 69654, 65354, 68954, 68854, 69754, 69854, 69954, 69254		ATV
390155	X-MEN Days of Future Past**, Railway Benefit Fund	*390055*	69155, 69455, 69555, 69655, 65355, 68955, 68855, 69755, 69855, 69955, 69255		ATV
390156	Stockport 170**, Pride and Prosperity	*390056*	69156, 69456, 69556, 69656, 65356, 68956, 68856, 69756, 69856, 69956, 69256		ATV
390157	Chad Varah	*390057*	69157, 69457, 69557, 69657, 65357, 68957, 68857, 69757, 69857, 69957, 69257		ATV
390200	The Greatest Gathering, Virgin Champion**, Railway 200	*390016*	69116, 69416, 69516, 69616, 68816, 69716, 69816, 69916, 69216	Rail 200 Branding	ATV

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Javelin

Used on HS1 and other Southeastern routes.

Dual-voltage, built in Japan.

Builder	Hitachi
Max Speed	225km/h
System	25kV ac / 750V dc (third rail)
Introduced	2009
Power	3360kW
Formation	6 cars
Seats	340 seats + 12 tip up

Number	Name	Form	Livery
395001	Dame Kelly Holmes	39011, 39012, 39013, 39014, 39015, 39016	HS1
395002	Sebastian Coe	39021, 39022, 39023, 39024, 39025, 39026	HS1
395003	Sir Steve Redgrave	39031, 39032, 39033, 39034, 39035, 39036	HS1
395004	Sir Chris Hoy	39041, 39042, 39043, 39044, 39045, 39046	HS1
395005	Dame Tanni Grey-Thompson	39051, 39052, 39053, 39054, 39055, 39056	HS1
395006	Daley Thompson	39061, 39062, 39063, 39064, 39065, 39066	HS1

395007	Steve Backley	39071, 39072, 39073, 39074, 39075, 39076	HS1
395008	Ben Ainslie	39081, 39082, 39083, 39084, 39085, 39086	HS1
395009	Rebecca Adlington	39091, 39092, 39093, 39094, 39095, 39096	HS1
395010	Duncan Goodhew	39101, 39102, 39103, 39104, 39105, 39106	HS1
395011	Katherine Grainger	39111, 39112, 39113, 39114, 39115, 39116	HS1
395012		39121, 39122, 39123, 39124, 39125, 39126	HS1
395013	HORNBY Visitor Centre Margate Kent	39131, 39132, 39133, 39134, 39135, 39136	HS1
395014	The Victoria Cross MMXIV**, Dina Asher-Smith	39141, 39142, 39143, 39144, 39145, 39146	HS1
395015		39151, 39152, 39153, 39154, 39155, 39156	HS1
395016	Jamie Staff**	39161, 39162, 39163, 39164, 39165, 39166	HS1
395017	Dame Sarah Storey**, Passchendaele Javelin**	39171, 39172, 39173, 39174, 39175, 39176	HS1
395018	Mo Farah**, THE VICTORY Javelin	39181, 39182, 39183, 39184, 39185, 39186	HS1
395019	Jessica Ennis	39191, 39192, 39193, 39194, 39195, 39196	HS1
395020	Jason Kenny	39201, 39202, 39203, 39204, 39205, 39206	HS1
395021	Ed Clancy MBE	39211, 39212, 39213, 39214, 39215, 39216	HS1
395022	Alistair Brownlee	39221, 39222, 39223, 39224, 39225, 39226	HS1
395023	Ellie Simmonds	39231, 39232, 39233, 39234, 39235, 39236	HS1
395024	Jonnie Peacock	39241, 39242, 39243, 39244, 39245, 39246	HS1
395025	Victoria Pendleton	39251, 39252, 39253, 39254, 39255, 39256	HS1
395026	Marc Woods	39261, 39262, 39263, 39264, 39265, 39266	HS1
395027	Hannah Cockroft	39271, 39272, 39273, 39274, 39275, 39276	HS1
395028	Laura Trott	39281, 39282, 39283, 39284, 39285, 39286	HS1

Electric Unit			
395029	David Weir	39291, 39292, 39293, 39294, 39295, 39296	HS1

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MRG

Civity Class

Built in Spain, currently in service with TransPennine on the Liverpool/Manchester Airport/Scotland routes.

Formation	5 cars per unit
System	25kV 50Hz AC Overhead
Introduced	2019
Builder	CAF
Max Speed	125mph
Seats	286

Number	Form	Livery
397001	471001, 472001, 473001, 474001, 475001	TPE
397002	471002, 472002, 473002, 474002, 475002	TPE
397003	471003, 472003, 473003, 474003, 475003	TPE
397004	471004, 472004, 473004, 474004, 475004	TPE
397005	471005, 472005, 473005, 474005, 475005	TPE
397006	471006, 472006, 473006, 474006, 475006	TPE
397007	471007, 472007, 473007, 474007, 475007	TPE
397008	471008, 472008, 473008, 474008, 475008	TPE

Electric Unit		
397009	471009, 472009, 473009, 474009, 475009	TPE
397010	471010, 472010, 473010, 474010, 475010	TPE
397011	471011, 472011, 473011, 474011, 475011	TPE
397012	471012, 472012, 473012, 474012, 475012	TPE

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Citylink Tram-Train



Derby Litchurch Lane 03.08.25

Phil Hayward

The Class 398 Citylink is a fleet of 36 tram-train multiple units being built for Transport for Wales Rail by Swiss rolling stock manufacturer Stadler Rail. The units will be equipped with traction battery packages, allowing them to operate over non-electrified sections of track in addition to those with 25 kV 50 Hz AC overhead supplies.

When built, Transport for Wales Rail Class 398 units will operate services on the Rhondda, Merthyr and City lines, and the Cardiff Bay Branch.

Builder	Stadler
Formation	3 cars per unit
System	25kV AC and Battery
Max Speed	50mph tram, 60mph rail
Length	40m
Width	2.56m
Introduced	2026
Transmission	4x 150KW traction motors
Driving Wheel Dia	740mm

Electric Unit

Seats	126

Number		Form	Livery
398001	S	999051, 999151, 999251	TFW
398002	S	999052, 999152, 999252	TFW
398003	S	999053, 999153, 999253	TFW
398004	S	999054, 999154, 999253	TFW
398005	S	999055, 999155, 999255	TFW
398006	S	999056, 999156, 999256	TFW
398007	S	999057, 999157, 999257	TFW
398008	T	999058, 999158, 999258	TFW
398009	T	999059, 999159, 999259	TFW
398010	T	999060, 999160, 999260	TFW
398011	T	999061, 999161, 999261	TFW
398012	T	999062, 999162, 999262	TFW
398013	A	999063, 999163, 999263	TFW
398014	S	999064, 999164, 999264	TFW
398015	T	999065, 999165, 999265	TFW
398016	T	999066, 999166, 999266	TFW
398017	A	999067, 999167, 999267	TFW
398018	A	999068, 999168, 999268	TFW
398019	A	999069, 999169, 999269	TFW
398020	A	999070, 999170, 999270	TFW
398021	A	999071, 999171, 999271	TFW
398022	A	999072, 999172, 999272	TFW
398023	A	999073, 999173, 999273	TFW
398024	A	999074, 999174, 999274	TFW
398025	A	999075, 999175, 999275	TFW
398026	A	999076, 999176, 999276	TFW
398027	S	999077, 999177, 999277	TFW
398028 [1]	A	999078, 999178, 999278	TFW
398029	A	999079, 999179, 999279	TFW
398030	A	999080, 999180, 999280	TFW
398031	A	999081, 999181, 999281	TFW
398032	T	999082, 999182, 999282	TFW
398033	T	999082, 999183, 999283	TFW
398034	T	999084, 999184, 999284	TFW
398035	U	999085, 999185, 999285	TFW
398036	U	999086, 999186, 999286	TFW

Notes
1: Name: Myddfai

399



MRG

Tram-Train.

Based in Sheffield and built in Spain

System	750v DC and 25kV AC
Max Speed	50mph tram, 60mph rail

Number	Name		Form
399201		*201*	999001, 999101, 999201
399202	Theo	*202*	999002, 999102, 999202
399203		*203*	999003, 999103, 999203
399204		*204*	999004, 999104, 999204
399205		*205*	999005, 999105, 999205
399206		*206*	999006, 999106, 999206
399207		*207*	999008, 999107, 999207

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John J Cordrey

Gauge	1435mm
Builder	BREL York
Max Speed	90mph
System	750V DC 3rd Rail
Introduced	1964
Withdrawn	2010
Length	80988mm
Width	2820mm
Height	3893mm
Weight	150t
Power	750kW

Number			Form	Note	Base	Livery
421306	*1306, 1819, 7373*	P	71041	TSO only. In use as office	Hever Station	GRN
421392						
421399	*1399, 2256, 1297, 7397*	P	76747, 62385, 70508, 76818	76818 & 70508 scrapped. Parts of 76818 in the cab yard	East Kent Railway	
421497	*1497, 1883, 1214, 7414*	P	76764, 62402, 69318, 76835	4-CIG	Lavender Line	BLG
421498	*1498, 1888, 1223, 7423*	P	76773, 62411, 76844	3-CIG	Epping & Ongar Railway	GRN

Electric Unit						
421499	*1499, 1394, 2251, 1276, 7376*	P	76726, 62364, 71080, 76797	62364 Only survivor of unit. Rest scrapped.	East Kent Railway	
421753	*1753, 1127, 7327*	P	76102, 62043, 70721, 76048		Nemesis Rail, Burton-on-Trent	CNX
421884	*1884, 1217, 7417*	P	71085	To be restored as a cafe	Old Ambulance Station, Bexhill	

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Paul Furse

Number	Name			Form	Note	Livery
3417 [1]	Gordon Pettitt	*7717, 3017, 423417*	P	76262, 62236, 70797, 76263	Owned by Bluebell Railway, being restored to run on the mainline	SBB
3545 [2]		*7861, 3161, 423545*	P	76875	76875 is preserved	

Notes
1: Southern Electric Traction, Strawberry Hill
2: East Kent Railway

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Paul Furse

Wessex.
Currently being refurbished again for SouthWestern Railways (SWR)

Length	23.15 m (75 ft 11.4 in) (DTS) 23 m (75 ft) (TSO, TSW, MLC)[
Width	2.74 m (8 ft 11 7⁄8 in)
Height	3.81 m (12 ft 6 in)
Introduced	1988[
Builder	British Rail Engineering Limited
Max Speed	100 mph (160 km/h)

Number	Name		Form	Note	Livery
442401	BEAULIEU**	X	77382, 71818, 62937, 71842, 77406	77382 spare car now preserved	
442402	COUNTY OF HAMPSHIRE**	X	77383, 71819, 62938, 71843, 77407		
442403	THE NEW FOREST**	X	77384, 71820, 62941, 71844, 77408		
442404	BOROUGH OF WOKING**	X	77385, 71821, 62939, 71845, 77409		
442405	CITY OF PORTSMOUTH**	S	77386, 71822, 62944, 71846, 77410	62944, 77386, 77410 scrapped Eastleigh Works	GAT
442406	VICTORY**	X	77389, 71823, 62942, 71847, 77411		
442407	THOMAS HARDY**	S	77388, 71824, 62943, 71848, 77412	62943, 77388, 77412 Scrapped Eastleigh Works	GAT

442408	COUNTY OF DORSET**	X	77387, 71825, 62945, 71849, 77413		
442409	BOURNEMOUTH ORCHESTRAS**	X	77390, 71826, 62946, 71850, 77414		
442410	MERIDIAN TONIGHT**	X	77391, 71827, 62948, 71851, 77415		
442411	THE RAILWAY CHILDREN**	X	77392, 71828, 62940, 71858, 77422		
442412	SPECIAL OLYMPICS**	S	77393, 71829, 62947, 71853, 77417	62947 scrapped Eastleigh Works	GAT
442413		X	77394, 71830, 62949, 71854, 77418		
442414		X	77395, 71831, 62950, 71855, 77419		
442415	MARY ROSE**	X	77396, 71832, 62951, 71856, 77420		
442416	MUM IN A MILLION, DOREEN SCANLON**	X	77397, 71833, 62952, 71857, 77421	71833, 77421 scrapped Sims Metals, Newport	
442417	WOKING HOMES**	X	77398, 71834, 62953, 71852, 77416		
442418	WESSEX CANCER TRUST**	X	77399, 71835, 62954, 71859, 77423	62954 remains Wolverton Works	SWX
442419	BBC SOUTH TODAY**	X	77400, 71836, 62955, 71860, 77424	77400 remains Wolverton Works	SWX
442420	CITY OF SOUTHAMPTON**	X	77401, 71837, 62956, 71861, 77425		
442421		S	77402, 71838, 62957, 71862, 77426		GAT
442422	OPERATION OVERLORD**	X	77403, 71839, 62958, 71863, 77427		
442423	COUNTY OF SURREY**	X	77404, 71840, 62959, 71864, 77428		
442424	GERRY NEWSON**	S	77405, 71841, 62960, 71865, 77429	62960, 77405, 77429 scrapped Eastleigh Works	GAT

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Desiro

Built in Austria. Currently used for express services for South Western

Refurbished between 2017 and 2020.

Informant refers to refurbished units

Formation	5 cars per unit
System	750 V DC 3rd rail
Introduced	2004
Builder	Siemens
Power	1,500kW
Max Speed	100mph
Seats	359

Number	Name	Form	Livery
444001	NAOMI HOUSE	63801, 67101, 67151, 67201, 63851	SWX
444002		63802, 67102, 67152, 67202, 63852	SWX
444003		63803, 67103, 67153, 67203, 63853	SWX
444004		63804, 67104, 67154, 67204, 63854	SWX
444005		63805, 67105, 67155, 67205, 63855	SWX

444006		63806, 67106, 67156, 67206, 63856	SWX
444007		63807, 67107, 67157, 67207, 63857	SWX
444008		63808, 67108, 67158, 67208, 63858	SWX
444009		63809, 67109, 67159, 67209, 63859	SWX
444010		63810, 67110, 67160, 67210, 63860	SWX
444011		63811, 67111, 67161, 67211, 63861	SWX
444012	DESTINATION WEYMOUTH	63812, 67112, 67162, 67212, 63862	SWX
444013		63813, 67113, 67163, 67213, 63863	SWX
444014		63814, 67114, 67164, 67214, 63864	SWX
444015		63815, 67115, 67165, 67215, 63865	SWX
444016		63816, 67116, 67166, 67216, 63866	SWX
444017		63817, 67117, 67167, 67217, 63867	SWX
444018	THE FAB 444	63818, 67118, 67168, 67218, 63868	SWX
444019		63819, 67119, 67169, 67219, 63869	SWX
444020		63820, 67120, 67170, 67220, 63870	SWX
444021		63821, 67121, 67171, 67221, 63871	SWX
444022		63822, 67122, 67172, 67222, 63872	SWX
444023	The Alex Wardle Foundation	63823, 67123, 67173, 67223, 63873	SWX
444024		63824, 67124, 67174, 67224, 63874	SWX
444025		63825, 67125, 67175, 67225, 63875	SWX
444026		63826, 67126, 67176, 67226, 63876	SWX
444027		63827, 67127, 67177, 67227, 63877	SWX
444028		63828, 67128, 67178, 67228, 63878	SWX

444029		63829, 67129, 67179, 67229, 63879	SWX
444030		63830, 67130, 67180, 67230, 63880	SWX
444031		63831, 67131, 67181, 67231, 63881	SWX
444032		63832, 67132, 67182, 67232, 63882	SWX
444033		63833, 67133, 67183, 67233, 63883	SWX
444034		63834, 67134, 67184, 67234, 63884	SWX
444035		63835, 67135, 67185, 67235, 63885	SWX
444036		63836, 67136, 67186, 67236, 63886	SWX
444037		63837, 67137, 67187, 67237, 63887	SWX
444038	SOUTH WESTERN RAILWAY	63838, 67138, 67188, 67238, 63888	SWX
444039		63839, 67139, 67189, 67239, 63889	SWX
444040	THE D DAY STORY PORTSMOUTH	63840, 67140, 67190, 67240, 63890	SWX
444041		63841, 67141, 67191, 67241, 63891	SWX
444042		63842, 67142, 67192, 67242, 63892	SWX
444043		63843, 67143, 67193, 67243, 63893	SWX
444044		63844, 67144, 67194, 67244, 63894	SWX
444045		63845, 67145, 67195, 67245, 63895	SWX

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Paul Furse

Desiro

Designed for use on outer suburban routes.

Refurbished between 2017 and 2020.

Formation	4 cars per unit
System	750 V DC 3rd rail
Introduced	2003
Builder	Siemens
Power	1,500kW
Max Speed	100mph
Seats	285

Number	Name	Form	Note	Livery
450001		63201, 64201, 68101, 63601		SWX
450002		63202, 64202, 68102, 63602		SWX
450003		63203, 64203, 68103, 63603	End Men's Violence Against Women Decals	SWX
450004		63204, 64204, 68104, 63604		SWX
450005		63205, 64205, 68105, 63605		SWX

450006		63206, 64206, 68106, 63606		SWX
450007		63207, 64207, 68107, 63607	End Men's Violence Against Women Decals	SWX
450008		63208, 64208, 68108, 63608		SWX
450009		63209, 64209, 68109, 63609		SWX
450010		63210, 64210, 68110, 63610		SWX
450011		63211, 64211, 68111, 63611		SWX
450012		63212, 64212, 68112, 63612		SWX
450013		63213, 64213, 68113, 63613		SWX
450014	King Athelstan	63214, 64214, 68114, 63614		SWX
450015	DESIRO	63215, 64215, 68115, 63615		SWX
450016		63216, 64216, 68116, 63616		SWX
450017		63217, 64217, 68117, 63617		SWX
450018		63218, 64218, 68118, 63618		SWX
450019		63219, 64219, 68119, 63619		SWX
450020		63220, 64220, 68120, 63620	End Men's Violence Against Women Decals	SWX
450021		63221, 64221, 68121, 63621	End Men's Violence Against Women Decals	SWX
450022		63222, 64222, 68122, 63622		SWX
450023		63223, 64223, 68123, 63623		SWX

450024		63224, 64224, 68124, 63624	End Men's Violence Against Women Decals	SWX
450025		63225, 64225, 68125, 63625		SWX
450026		63226, 64226, 68126, 63626		SWX
450027		63227, 64227, 68127, 63627		SWX
450028		63228, 64228, 68128, 63628		SWX
450029		63229, 64229, 68129, 63629		SWX
450030		63230, 64230, 68130, 63630		SWX
450031		63231, 64231, 68131, 63631		SWX
450032		63232, 64232, 68132, 63632		SWX
450033		63233, 64233, 68133, 63633		SWX
450034		63234, 64234, 68134, 63634		SWX
450035		63235, 64235, 68135, 63635		SWX
450036		63236, 64236, 68136, 63636		SWX
450037		63237, 64237, 68137, 63637		SWX
450038		63238, 64238, 68138, 63638		SWX
450039		63239, 64239, 68139, 63639	End Men's Violence Against Women Decals	SWX
450040		63240, 64240, 68140, 63640		SWX
450041		63241, 64241, 68141, 63641		SWX
450042	TRELOAR COLLEGE	63242, 64242, 68142, 63642		SWX

450043		*450543*	63243, 64243, 68143, 63643	End Men's Violence Against Women Decals	SWX
450044		*450544*	63244, 64244, 68144, 63644		SWX
450045		*450545*	63245, 64245, 68145, 63645	End Men's Violence Against Women Decals	SWX
450046		*450546*	63246, 64246, 68146, 63646		SWX
450047		*450547*	63247, 64247, 68147, 63647	End Men's Violence Against Women Decals	SWX
450048		*450548*	63248, 64248, 68148, 63648		SWX
450049		*450549*	63249, 64249, 68149, 63649		SWX
450050		*450550*	63250, 64250, 68150, 63650		SWX
450051		*450551*	63251, 64251, 68151, 63651		SWX
450052		*450552*	63252, 64252, 68152, 63652		SWX
450053		*450553*	63253, 64253, 68153, 63653		SWX
450054		*450554*	63254, 64254, 68154, 63654		SWX
450055		*450555*	63255, 64255, 68155, 63655		SWX
450056	HOTSHOT	*450556*	63256, 64256, 68156, 63656	Has video/thermal cameras for monitoring track condition	SWX
450057		*450557*	63257, 64257, 68157, 63657	End Men's Violence Against Women Decals	SWX

450058	*450558*	63258, 64258, 68158, 63658		SWX
450059	*450559*	63259, 64259, 68159, 63659		SWX
450060	*450560*	63260, 64260, 68160, 63660	End Men's Violence Against Women Decals	SWX
450061	*450561*	63261, 64261, 68161, 63661		SWX
450062	*450562*	63262, 64262, 68162, 63662		SWX
450063	*450563*	63263, 64263, 68163, 63663		SWX
450064	*450564*	63264, 64264, 68164, 63664		SWX
450065	*450565*	63265, 64265, 68165, 63665		SWX
450066	*450566*	63266, 64266, 68166, 63666	End Men's Violence Against Women Decals	SWX
450067	*450567*	63267, 64267, 68167, 63667		SWX
450068	*450568*	63268, 64268, 68168, 63668	End Men's Violence Against Women Decals	SWX
450069	*450569*	63269, 64269, 68169, 63669		SWX
450070	*450570*	63270, 64270, 68170, 63670		SWX
450071		63271, 64271, 68171, 63671		SWX
450072		63272, 64272, 68172, 63672		SWX
450073		63273, 64273, 68173, 63673		SWX
450074		63274, 64274, 68174, 63674		SWX
450075		63275, 64275, 68175, 63675		SWX

450076	63276, 64276, 68176, 63676		SWX
450077	63277, 64277, 68177, 63677		SWX
450078	63278, 64278, 68178, 63678		SWX
450079	63279, 64279, 68179, 63679		SWX
450080	63280, 64280, 68180, 63680		SWX
450081	63281, 64281, 68181, 63681		SWX
450082	63282, 64282, 68182, 63682		SWX
450083	63283, 64283, 68183, 63683		SWX
450084	63284, 64284, 68184, 63684		SWX
450085	63285, 64285, 68185, 63685		SWX
450086	63286, 64286, 68186, 63686		SWX
450087	63287, 64287, 68187, 63687		SWX
450088	63288, 64288, 68188, 63688		SWX
450089	63289, 64289, 68189, 63689		SWX
450090	63290, 64290, 68190, 63690		SWX
450091	63291, 64291, 68191, 63691		SWX
450092	63292, 64292, 68192, 63692	End Men's Violence Against Women Decals	SWX
450093	63293, 64293, 68193, 63693	End Men's Violence Against Women Decals	SWX
450094	63294, 64294, 68194, 63694		SWX
450095	63295, 64295, 68195, 63695		SWX

450096		63296, 64296, 68196, 63696	End Men's Violence Against Women Decals	SWX
450097		63297, 64297, 68197, 63697		SWX
450098		63298, 64298, 68198, 63698		SWX
450099		63299, 64299, 68199, 63699		SWX
450100	Transport Benevolent Fund 1923-2023	63300, 64300, 68200, 63700	End Men's Violence Against Women Decals	SWX
450101		63701, 66851, 66801, 63751		SWX
450102		63702, 66852, 66802, 63752		SWX
450103		63703, 66853, 66803, 63753		SWX
450104		63704, 66854, 66804, 63754		SWX
450105		63705, 66855, 66805, 63755		SWX
450106		63706, 66856, 66806, 63756		SWX
450107		63707, 66857, 66807, 63757		SWX
450108		63708, 66858, 66808, 63758		SWX
450109		63709, 66859, 66809, 63759		SWX
450110		63710, 66860, 66810, 63760	End Men's Violence Against Women Decals	SWX
450111		63901, 66921, 66901, 63921		SWX
450112		63902, 66922, 66902, 63922		SWX
450113		63903, 66923, 66903, 63923		SWX

Electric Unit

450114	FAIRBRIDGE investing in the future	63904, 66924, 66904, 63924	SWX
450115		63905, 66925, 66905, 63925	SWX
450116		63906, 66926, 66906, 63926	SWX
450117		63907, 66927, 66907, 63927	SWX
450118		63908, 66928, 66908, 63928	SWX
450119		63909, 66929, 66909, 63929	SWX
450120		63910, 66930, 66910, 63930	SWX
450121		63911, 66931, 66911, 63931	SWX
450122		63912, 66932, 66912, 63932	SWX
450123		63913, 66933, 66913, 63933	SWX
450124		63914, 66934, 66914, 63934	SWX
450125		63915, 66935, 66915, 63935	SWX
450126		63916, 66936, 66916, 63936	SWX
450127	DAVE GUNSON	63917, 66937, 66917, 63937	SWX

455

Class 455 EMU



Paul Furse

The British Rail Class 455 is a Mark 3-based electric multiple unit (EMU) passenger train built by BREL. Upon their introduction, they replaced the Class 508s and also the ageing Southern Railway slam-door stock on commuter services out of London Waterloo. They were mostly used in Greater London, Surrey and also by Southern

The Class 455 was originally to be classified as the Class 510, basically a 750 V DC version of the Class 317. However, as the chopper control system at the time was not considered robust enough for the electrically rougher third-rail Southern Region, they were fitted with GEC Traction camshaft-control systems instead, and the Class 510 designation was changed to Class 455.

The class has the same bodyshell as the Class 317 and Class 318, which is based on the MKIII, but with a steel construction as opposed to aluminium alloys like PEP-based classes. As they were designed for inner suburban services, they do not feature first-class seating, air conditioning or toilet facilities, and are restricted to 75 mph.

They are currently being replaced by the Class 701 EMU on the South Western Railway network.

One full unit has been preserved. A significant number have been scrapped.

Formation	DTSO+MSO+TSO+DTSO
System	750 V DC 3rd rail
Introduced	1983
Builder	BREL York
Power	Refurbished 1,000 kW
Max Speed	75mph

Seats	Refurbished 244 or 307

Number	Name			Form	Livery
455701		*5701*	X	77727, 62783, 71545, 77728	SWS
455702		*5702*	X	77729, 62784, 71547, 77730	SWS
455703		*5703*	X	77731, 62785, 71540, 77732	SWS
455704		*5704*	X	77733, 62786, 71548, 77734	
455705		*5705*	X	77735, 62787, 71565, 77736	SWS
455706		*5706*	X	77737, 62788, 71534, 77738	SWS
455707		*5707*	X	77739, 62789, 71536, 77740	SWS
455708		*5708*	X	77741, 62790, 71560, 77742	SWS
455709		*5709*	X	77743, 62791, 71532, 77744	SWS
455710		*5710*	X	77745, 62792, 71566, 77746	SWS
455711	SPIRIT OF RUGBY**	*5711*	X	77747, 62793, 71542, 77748	SWS
455712		*5712*	X	77749, 62794, 71546, 77750	SWS
455713 [(1)]		*5713*	W	77751, 62795, 71567, 77752	SWS
455714		*5714*	X	77753, 62796, 71539, 77754	SWS
455715 [(2)]		*5715*	X	77755, 62797, 71535, 77756	SWS
455716		*5716*	X	77757, 62798, 71564, 77758	SWS
455717		*5717*	X	77759, 62799, 71528, 77760	SWS
455718 [(3)]		*5718*	X	77761, 62800, 71557, 77762	SWS
455719		*5719*	W	77763, 62801, 71558, 77764	SWS
455720		*5720*	X	77765, 62802, 71568, 77766	SWS
455721		*5721*	X	77767, 62803, 71553, 77768	SWS

455722		*5722*	X	77769, 62804, 71533, 77770	SWS
455723		*5723*	X	77771, 62805, 71526, 77772	SWS
455724		*5724*	X	77773, 62806, 71561, 77774	SWS
455725		*5725*	X	77775, 62807, 71541, 77776	
455726		*5726*	X	77777, 62808, 71556, 77778	
455727		*5727*	X	77779, 62809, 71562, 77780	SWS
455728		*5728*	X	77781, 62810, 71527, 77782	SWS
455729		*5729*	X	77783, 62811, 71550, 77784	SWS
455730		*5730*	X	77785, 62812, 71551, 77786	SWS
455731	VARIETY CLUB**	*5731*	X	77787, 62813, 71555, 77788	SWS
455732		*5732*	X	77789, 62814, 71552, 77790	SWS
455733		*5733*	X	77791, 62815, 71549, 77792	SWS
455734		*5734*	X	77793, 62816, 71531, 77794	SWS
455735	THE ROYAL BOROUGH OF KINGSTON**	*5735*	W	77795, 62817, 71563, 77796	SWS
455736		*5736*	X	77797, 62818, 71554, 77798	
455737		*5737*	X	77799, 62819, 71544, 77800	SWS
455738		*5738*	W	77801, 62820, 71529, 77802	SWS
455739		*5739*	X	77803, 62821, 71537, 77804	SWS
455740		*5740*	X	77805, 62822, 71530, 77806	
455741		*5741*	X	77807, 62823, 71559, 77808	SWS
455742		*5742*	X	77809, 62824, 71543, 77810	SWS
455743			X		
455750	WIMBLEDON TRAIN CARE**	*5750, 5743, 455743*	X	77811, 62825, 71538, 77812	SWS

455801	*5801*	X	77627, 62709, 71657, 77580
455802	*5802*	X	77581, 62710, 71664, 77582
455803	*5803*	X	77583, 62711, 71639, 77584
455804	*5804*	X	77585, 62712, 71640, 77586
455805	*5805*	X	77587, 62713, 71641, 77588
455806	*5806*	X	77589, 62714, 71642, 77590
455807	*5807*	X	77591, 62715, 71643, 77592
455808	*5808*	X	77637, 62716, 71644, 77594
455809	*5809*	X	77623, 62717, 71645, 77602
455810	*5810*	X	77597, 62718, 71646, 77598
455811	*5811*	X	77599, 62719, 71647, 77600
455812	*5812*	X	77595, 62720, 71648, 77626
455813	*5813*	X	77603, 62721, 71649, 77604
455814	*5814*	X	77605, 62722, 71650, 77606
455815	*5815*	X	77607, 62723, 71651, 77608
455816	*5816*	X	77609, 62724, 71652, 77633
455817	*5817*	X	77611, 62725, 71653, 77612
455818	*5818*	X	77613, 62726, 71654, 77632
455819	*5819*	X	77615, 62727, 71655, 77616
455820	*5820*	X	77617, 62728, 71656, 77618
455821	*5821*	X	77619, 62729, 71657, 77620
455822	*5822*	X	77621, 62730, 71658, 77622

455823	*5823*	X	77601, 62731, 71659, 77596
455824	*5824*	X	77593, 62732, 71660, 77626
455825	*5825*	X	77579, 62733, 71661, 77628
455826	*5826*	X	77630, 62734, 71662, 77629
455827	*5827*	X	77610, 62735, 71663, 77614
455828	*5828*	X	77631, 62736, 71638, 77634
455829	*5829*	X	77635, 62737, 71665, 77636
455830	*5830*	X	77625, 62738, 71666, 77638
455831	*5831*	X	77639, 62739, 71667, 77640
455832	*5832*	X	77641, 62740, 71668, 77642
455833	*5833*	X	77643, 62741, 71669, 77644
455834	*5834*	X	77645, 62742, 71670, 77646
455835	*5835*	X	77647, 62743, 71671, 77648
455836	*5836*	X	77649, 62744, 71672, 77650
455837	*5837*	X	77651, 62745, 71673, 77652
455838	*5838*	X	77653, 62746, 71674, 77654
455839	*5839*	X	77655, 62747, 71675, 77656
455840	*5840*	X	77657, 62748, 71676, 77658
455841	*5841*	X	77659, 62749, 71677, 77660
455842	*5842*	X	77661, 62750, 71678, 77662
455843	*5843*	X	77663, 62751, 71679, 77664
455844	*5844*	X	77665, 62752, 71680, 77666

455845	*5845*	X	77667, 62753, 71681, 77668	
455846	*5846*	X	77669, 62754, 71682, 77670	
455847	*5847*	X	77671, 62755, 71683, 77672	
455848	*5848*	X	77673, 62756, 71684, 77674	SWS
455849	*5849*	X	77675, 62757, 71685, 77676	SWS
455850	*5850*	X	77677, 62758, 71686, 77678	
455851	*5851*	X	77679, 62759, 71687, 77680	SWS
455852	*5852*	X	77681, 62760, 71688, 77682	SWS
455853	*5853*	X	77683, 62761, 71689, 77684	SWS
455854	*5854*	X	77685, 62762, 71690, 77686	SWS
455855	*5855*	X	77687, 62763, 71691, 77688	
455856	*5856*	X	77689, 62764, 71692, 77690	SWS
455857	*5857*	X	77691, 62765, 71693, 77692	
455858	*5858*	X	77693, 62766, 71694, 77694	
455859	*5859*	X	77695, 62767, 71695, 77696	
455860	*5860*	X	77697, 62768, 71696, 77698	SWS
455861	*5861*	X	77699, 62769, 71697, 77700	
455862	*5862*	X	77701, 62770, 71698, 77702	SWS
455863	*5863*	X	77703, 62771, 71699, 77704	SWS
455864	*5864*	W	77705, 62772, 71700, 77706	SWS
455865 [(4)]	*5865*	X	77707, 62773, 71701, 77708	SWS
455866	*5866*	X	77709, 62774, 71702, 77710	

455867		*5867*	X	77711, 62775, 71703, 77712	
455868		*5868*	X	77713, 62776, 71704, 77714	
455869		*5869*	X	77715, 62777, 71705, 77716	SWS
455870		*5870*	X	77717, 62778, 71706, 77718	SWS
455871 [5]	Roy Watts MBE - Chairman of the Bluebell Railway Preservation Society	*5871*	P	77719, 62779, 71707, 77720	SWS
455872		*5872*	X	77721, 62780, 71708, 77722	SWS
455873		*5873*	X	77723, 62781, 71709, 77724	SWS
455874		*5874*	X	77725, 62782, 71710, 77726	
455901		*5901*	X	77813, 62826, 71714, 77814	
455902		*5902*	X	77815, 62827, 71715, 77816	
455903		*5903*	X	77817, 62828, 71716, 77818	SWS
455904		*5904*	X	77819, 62829, 71717, 77820	
455905		*5905*	X	77821, 62830, 71718, 77822	
455906		*5906*	X	77823, 62831, 71719, 77824	
455907		*5907*	X	77825, 62832, 71720, 77826	
455908		*5908*	X	77827, 62833, 71721, 77828	SWS
455909		*5909*	X	77829, 62834, 71722, 77830	
455910		*5910*	X	77831, 62835, 71723, 77832	SWS
455911		*5911*	X	77833, 62836, 71724, 77834	SWS
455912		*5912*	X	77835, 67400, 71725, 77836	
455913		*5913*	X	77837, 67301, 71726, 77838	SWS
455914		*5914*	X	77839, 62839, 71727, 77840	SWS

Electric Unit				
455915	*5915*	X	77841, 62840, 71728, 77842	SWS
455916	*5916*	X	77843, 62841, 71729, 77844	
455917	*5917*	X	77845, 62842, 71730, 77846	SWS
455918	*5918*	X	77847, 62843, 71731, 77848	
455919	*5919*	X	77849, 62844, 71732, 77850	SWS
455920	*5920*	X	77851, 62845, 71733, 77852	SWS

Notes
1: Partially Scrapped
2: Partially Scrapped
3: Partially Scrapped
4: Partially Scrapped
5: Southern Electric Traction, Strawberry Hill

456



Paul Furse

Number	Name	Form	
456001		X	64735, 78250
456002		X	64736, 78251
456003		X	64737, 78252
456004		X	64738, 78253

Electric Unit			
456005		X	64739, 78254
456006		X	64740, 78255
456007		X	64741, 78256
456008		X	64742, 78257
456009		X	64743, 78258
456010		X	64744, 78259
456011		X	64745, 78260
456012		X	64746, 78261
456013		X	64747, 78262
456014		X	64748, 78263
456015		X	64749, 78264
456016		X	64750, 78265
456017		X	64751, 78266
456018		X	64752, 78267
456019		X	64753, 78268
456020		X	64754, 78269
456021		X	64755, 78270
456022		X	64756, 78271
456023		X	64757, 78272
456024	Sir Cosmo Bonsor**	X	64758, 78273

458



Paul Furse

Coradia Juniper Class

Rebuilt between 2013 and 2016 458/5 5 car units

Rebuilt between 2022 and 2024 458/4 4 car units

Formation	4 and 5 car units
System	750 V DC 3rd rail
Introduced	2000
Builder	Alstom
Power	1,620 kW
Max Speed	458/0 and 458/4 100mph, 458/5 75mph
Seats	4 car 234, 5 car 270

Number		Form	Note	Livery
458001	*8001*	N	reformed as 458501	
458003	*8003*	N	reformed as 458503	
458004	*8004*	N	reformed as 458504	
458005	*8005*	N	reformed as 458505	
458006	*8006*	N	reformed as 458506	
458008	*8008*	N	reformed as 458508	
458009	*8009*	N	reformed as 458509	
458010	*8010*	N	reformed as 458510	
458011	*8011*	N	reformed as 458511	
458012	*8012*	N	reformed as 458512	
458013	*8013*	N	reformed as 458513	
458014	*8014*	N	reformed as 458514	
458015	*8015*	N	reformed as 458515	
458016	*8016*	N	reformed as 458516	
458017	*8017*	N	reformed as 458517	
458018	*8018*	N	reformed as 458518	
458019	*8019*	N	reformed as 458519	

458020	*8020*	N		reformed as 458520	
458021	*8021*	N		reformed as 458521	
458022	*8022*	N		reformed as 458522	
458023	*8023*	N		reformed as 458523	
458024	*8024*	N		reformed as 458524	
458025	*8025*	N		reformed as 458525	
458026	*8026*	N		reformed as 458526	
458027	*8027*	N		reformed as 458527	
458028	*8028*	N		reformed as 458528	
458029	*8029*	N		reformed as 458529	
458030	*8030*	N		reformed as 458530	
458401	*8501, 458001, 458501*	S	67601, 74001, 74101, 67701	Renumbered 458501 (8501) after conversion to 5-car, when 74431 (class 460) was inserted.Carrige removed 74431	SWX
458402	*8502, 458002, 458502*	A	67602, 74002, 74102, 67702	Renumbered 458502 (8502) after conversion to 5-car, when 74421 (class 460) was inserted	SWX
458403	*8503, 458003, 458503*	S	67603, 74003, 74103, 67703		SWX
458404	*8504, 458004, 458504*	A	67604, 74004, 74104, 67704	Renumbered 458504 (8504) after conversion to 5-car, when 74451 (class 460) was inserted. Carriage removed 74451 is now stored Cockshute Sidings	SWX

458405	*8505, 458005, 458505*	S	67605, 74005, 74105, 67705	Renumbered 458505 (8505) after conversion to 5-car, when 74425 (class 460) was inserted.Carrige removed 74425 is stored at Cockshute Sidings	SWX
458406	*8506, 458006, 458506*	S	67606, 74006, 74106, 67706	Renumbered 458506 (8506) after conversion to 5-car, when 74436 (class 460) was inserted.74436 is now stored at Long Marston	SWX
458407	*8507, 458007, 458507*	S	67607, 74007, 74107, 67707	Renumbered 458507 (8507) after conversion to 5-car, when 74428 (class 460) was inserted. Coach 74428 is now stored at Long Marston	SWX
458408	*8508, 458008, 458508*	S	67608, 74008, 74108, 67708	Renumbered 458508 (8508) after conversion to 5-car, when 74433 (class 460) was inserted.	SWR
458409	*8509, 458009, 458509*	S	67609, 74009, 74109, 67709	Renumbered 458509 (8509) after conversion to 5-car, when 74452 (class 460) was inserted.	SWX
458410	*8510, 458010, 458510*	S	67610, 74010, 74110, 67710	Renumbered 458510 (8510) after conversion to 5-car, when 74405 (class 460) was inserted.	SWX

458411	*8511, 458011, 458511*	S	67611, 74011, 74111, 67711	Renumbered 458511 (8511) after conversion to 5-car, when 74435 (class 460) was inserted 74435 is now stored at Long Marston	SWX
458412	*8512, 458012, 458512*	A	67612, 74012, 74112, 67712	Renumbered 458512 (8512) after conversion to 5-car, when 74427 (class 460) was inserted.Coach removed 74427. Stored at Bournemouth 74427 is stored at Cockshute Sidings	SWX
458413	*8513, 458013, 458513*	S	67613, 74013, 74113, 67713	Renumbered 458513 (8513) after conversion to 5-car, when 74437 (class 460) was inserted. Coach removed 74437 is now stored at Cockshute Sidings	SWX
458414	*8514, 458014, 458514*	A	67614, 74014, 74114, 67714	Renumbered 458514 (8514) after conversion to 5-car, when 74407 (class 460) was inserted. Coach 74407 is now stored at Long Marston	SWX
458415	*8515, 458015, 458515*	A	67615, 74015, 74115, 67715	Renumbered 458515 (8515) after conversion to 5-car, when 74404 (class 460) was inserted. Coach 74404 removed is now stored at Cockshute Sidings	SWX

458416	*8516, 458016, 458516*	S	67616, 74016, 74116, 67716	Renumbered 458516 (8516) after conversion to 5-car, when 74406 (class 460) was inserted.Carrige rmoved 74406 is now stored at Long Marston	SWX
458417	*8517, 458517*	S	67617, 74017, 74117, 67717	Renumbered 458517 (8517) after conversion to 5-car, when 74426 (class 460) was inserted. Coach 74426 is now stored at Long Marston	SWX
458418	*8518, 458018, 458518*	S	67618, 74018, 74118, 67718	Renumbered 458518 (8518) after conversion to 5-car, when 74432 (class 460) was inserted. 2024: renumbered 458418, car 74432 removed	SWX
458419	*8519, 458019, 458519*	A	67619, 74019, 74119, 67719	Renumbered 458519 (8519) after conversion to 5-car, when 74403 (class 460) was inserted.	SWX
458420	*8520, 458020, 458520*	S	67620, 74020, 74120, 67720	Renumbered 458520 (8520) after conversion to 5-car, when 74401 (class 460) was inserted. Coach 74401 is now stored at Cockshute Sidings	SWX

Electric Unit

458421	*8521, 458021, 458521*	A	67621, 74021, 74121, 67721	Renumbered 458521 (8521) after conversion to 5-car, when 74438 (class 460) was inserted. Coach 74438 Is now stored at Cockshute Sidings	SWX
458422	*8522, 458022, 458522*	A	67622, 74022, 74122, 67722	Renumbered 458522 (8522) after conversion to 5-car, when 74424 (class 460) was inserted. Coach 74424 is now stored at Cockshute Sidings	SWX
458423	*8523, 458023, 458523*	A	67623, 74023, 74123, 67723	Renumbered 458523 (8523) after conversion to 5-car, when 74434 (class 460) was inserted. Carriage removed 74434 is now stored at Long Marston	SWX
458424	*8524, 458024, 458524*	S	67624, 74024, 74124, 67724	Renumbered 458524 (8524) after conversion to 5-car, when 74402 (class 460) was inserted. Coach 74402 is now stored at Cockshute Sidings	SWX
458425	*8525, 458025, 458525*	S	67625, 74025, 74125, 67725	Renumbered 458525 (8525) after conversion to 5-car, when 74422 (class 460) was inserted.Carrige removed 74422 is now stored at Long Marston	SWX

458426	*8526, 458026, 458526*	S	67626, 74026, 74126, 67726	Renumbered 458526 (8526) after conversion to 5-car, when 74442 (class 460) was inserted.	SWX
458427	*8527, 458027, 458527*	S	67627, 74027, 74127, 67727	Renumbered 458527 (8527) after conversion to 5-car, when 74412 (class 460) was inserted. Stored Bournemouth. 74412 stored at Cockshute Sidings	SWX
458428	*8528, 458028, 458528*	S	67628, 74028, 74128, 67728	Renumbered 458528 (8528) after conversion to 5-car, when 74408 (class 460) was inserted. Carriage removed 74408 is now stored at Long Marston	SWX
458529	*8529, 458029, 458429*	S	67629, 74423, 74029, 74129, 67729	Renumbered 458529 (8529) after conversion to 5-car, when 74423 (class 460) was inserted.	SWO
458530	*8530, 458030, 458430*	S	67630, 74411, 74030, 74130, 67730	Renumbered 458530 (8530) after conversion to 5-car, when 74411 (class 460) was inserted.	SWO
458531	*8531*	S	67913, 74418, 74446, 74458, 67912	Formed with converted class 460 vehicles.	SWO
458532	*8532*	S	67904, 74417, 74447, 74457, 67905	Formed with converted class 460 vehicles.	SWO
458533	*8533*	S	67916, 74413, 74443, 74453, 67917	Formed with converted class 460 vehicles.	SWO

Electric Unit					
458534	*8534*	S	67914, 74414, 74444, 74454, 67918	Formed with converted class 460 vehicles.	SWO
458535	*8535*	S	67915, 74415, 74445, 74455, 67911	Formed with converted class 460 vehicles.	SWO
458536	*8536*	S	67906, 74416, 74448, 74456, 67902	Formed with converted class 460 vehicles.	SWO

460



Paul Furse

Juniper Class

All converted to Class 458/5's

Number			Form	Note
460001	*01*	S	67901, 74401, 74411, 74421, 74431, 74441, 74451, 67911	67901 has been scrapped. All remaining vehicles converted to class 458/5.
460002	*02*	S	67902, 74402, 74412, 74422, 74432, 74442, 74452, 67912	All vehicles have been converted to class 458/5.
460003	*03*	S	67903, 74403, 74413, 74423, 74433, 74443, 74453, 67913	67903 has been scrapped. All remaining vehicles converted to class 458/5.

Electric Unit				
460004	*04*	S	67904, 74404, 74414, 74424, 74434, 74444, 74454, 67914	All vehicles have been converted to class 458/5.
460005	*05*	S	67905, 74405, 74415, 74425, 74435, 74445, 74455, 67915	All vehicles have been converted to class 458/5.
460006	*06*	S	67906, 74406, 74416, 74426, 74436, 74446, 74456, 67916	All vehicles have been converted to class 458/5.
460007	*07*	S	67907, 74407, 74417, 74427, 74437, 74447, 74457, 67917	67907 has been scrapped. All remaining vehicles converted to class 458/5.
460008	*08*	S	67908, 74408, 74418, 74428, 74438, 74448, 74458, 67918	67908 has been scrapped. All remaining vehicles converted to class 458/5.

465



1/8/25 the Greatest Gathering

By Thomas Harley

Networker Class

Some 465/2's were refurbished in 2005 and converted to 465/9's. The rest of the sub class are in storage.

Other sub classes were refurbished between 2010 and 2016.

Formation	4 cars per unit
System	750 V DC 3rd rail
Introduced	1992
Builder	BREL/ABB/Metro-Cammell
Power	2,240kW
Max Speed	75mph
Seats	465/0/1 334, 465/2 331, 465/9 319

Number		Form	Livery
465001		64759, 72028, 72029, 64809	SE2
465002		64760, 72030, 72031, 64810	SE2
465003		64761, 72032, 72033, 64811	SE2
465004		64762, 72034, 72035, 64812	SE2
465005	X	64763, 72036, 72037, 64813	SE2
465006		64764, 72038, 72039, 64814	SE2
465007		64765, 72040, 72041, 64815	SE2
465008		64766, 72042, 72043, 64816	SE2
465009		64767, 72044, 72045, 64817	SE2
465010		64768, 72046, 72047, 64818	SE2
465011		64769, 72048, 72049, 64819	SE2
465012		64770, 72050, 72051, 64820	SE2
465013		64771, 72052, 72053, 64821	SE2
465014		64772, 72054, 72055, 64822	SE2
465015		64773, 72056, 72057, 64823	SE2
465016		64774, 72058, 72059, 64824	SE2
465017		64775, 72060, 72061, 64825	SE2
465018		64776, 72062, 72063, 64826	SE2
465019		64777, 72064, 72065, 64827	SE2
465020		64778, 72066, 72067, 64828	SE2
465021		64779, 72068, 72069, 64829	SE2
465022		64780, 72070, 72071, 64830	SE2
465023		64781, 72072, 72073, 64831	SE2
465024		64782, 72074, 72075, 64832	SE2
465025		64783, 72076, 72077, 64833	SE2
465026		64784, 72078, 72079, 64834	SE2
465027		64785, 72080, 72081, 64835	SE2
465028		64786, 72082, 72083, 64836	SE2
465029		64787, 72084, 72085, 64837	SE2

465030			64788, 72086, 72087, 64838	SE2
465031			64789, 72088, 72089, 64839	SE2
465032		X	64790, 72090, 72091, 64840	SE2
465033			64791, 72092, 72093, 64841	SE2
465034			64792, 72094, 72095, 64842	SE2
465035			64793, 72096, 72097, 64843	SE2
465036			64794, 72098, 72099, 64844	SE2
465037 [1]	*465301*		64795, 72100, 72101, 64845	SE2
465038			64796, 72102, 72103, 64846	SE2
465039			64797, 72104, 72105, 64847	SE2
465040			64798, 72106, 72107, 64848	SE2
465041			64799, 72108, 72109, 64849	SE2
465042			64800, 72110, 72111, 64850	SE2
465043			64801, 72112, 72113, 64851	SE2
465044			64802, 72114, 72115, 64852	SE2
465045		S	64803, 72116, 72117, 64853	SE2
465046			64804, 72118, 72119, 64854	SE2
465047			64805, 72120, 72121, 64855	SE2
465048			64806, 72122, 72123, 64856	SE2
465049			64807, 72124, 72125, 64857	SE2
465050			64808, 72126, 72127, 64858	SE2
465151			65800, 72900, 72901, 65847	SE2
465152			65801, 72902, 72903, 65848	SE2
465153			65802, 72904, 72905, 65849	SE2
465154			65803, 72906, 72907, 65850	SE2
465155			65804, 72908, 72909, 65851	SE2
465156			65805, 72910, 72911, 65852	SE2
465157			65806, 72912, 72913, 65853	SE2
465158			65807, 72914, 72915, 65854	SE2
465159			65808, 72916, 72917, 65855	SE2
465160			65809, 72918, 72919, 65856	SE2
465161			65810, 72920, 72921, 65857	SE2
465162			65811, 72922, 72923, 65858	SE2
465163			65812, 72924, 72925, 65859	SE2
465164			65813, 72926, 72927, 65860	SE2
465165			65814, 72928, 72929, 65861	SE2
465166			65815, 72930, 72931, 65862	SE2
465167			65816, 72932, 72933, 65863	SE2
465168			65817, 72934, 72935, 65864	SE2
465169		S	65818, 72936, 72937, 65865	SE2
465170			65819, 72938, 72939, 65866	SE2
465171			65820, 72940, 72941, 65867	SE2
465172			65821, 72942, 72943, 65868	SE2

465173			65822, 72944, 72945, 65869	SE2
465174			65823, 72946, 72947, 65870	SE2
465175		S	65824, 72948, 72949, 65871	SE2
465176			65825, 72950, 72951, 65872	SE2
465177			65826, 72952, 72953, 65873	SE2
465178			65827, 72954, 72955, 65874	SE2
465179			65828, 72956, 72957, 65875	SE2
465180			65829, 72958, 72959, 65876	SE2
465181			65830, 72960, 72961, 65877	SE2
465182			65831, 72962, 72963, 65878	SE2
465183			65832, 72964, 72965, 65879	SE2
465184			65833, 72966, 72967, 65880	SE2
465185			65834, 72968, 72969, 65881	SE2
465186			65835, 72970, 72971, 65882	SE2
465187			65836, 72972, 72973, 65883	SE2
465188		X	65837, 72974, 72975, 65884	SE2
465189			65838, 72976, 72977, 65885	SE2
465190			65839, 72978, 72979, 65886	SE2
465191			65840, 72980, 72981, 65887	SE2
465192			65841, 72982, 72983, 65888	SE2
465193			65842, 72984, 72985, 65889	SE2
465194			65843, 72986, 72987, 65890	SE2
465195			65844, 72988, 72989, 65891	SE2
465196			65845, 72990, 72991, 65892	SE2
465197			65846, 72992, 72993, 65893	SE2
465235 [(2)]		X	65734, 72787, 72788, 65784	
465236		X	65735, 72789, 72790, 65785	
465237		X	65736, 72791, 72792, 65786	SE2
465238		X	65737, 72793, 72794, 65787	
465239		X	65738, 72795, 72796, 65788	
465240		X	65739, 72797, 72798, 65789	
465241		S	65740, 72799, 72800, 65790	SE2
465242		S	65741, 72801, 72802, 65791	SE2
465243		X	65742, 72803, 72804, 65792	
465244		X	65743, 72805, 72806, 65793	
465245		X	65744, 72807, 72808, 65794	
465246		X	65745, 72809, 72810, 65795	
465247		S	65746, 72811, 72812, 65796	SE2
465248		X	65747, 72813, 72814, 65797	
465249		X	65748, 72815, 72816, 65798	
465250		X	65749, 72817, 72818, 65799	
465901	*465201*		65700, 72719, 72720, 65750	SE2
465902	*465202*		65701, 72721, 72722, 65751	SE2

465903 [3]	*465203*		65702, 72723, 72724, 65752	SE2
465904	*465204*		65703, 72725, 72726, 65753	SE2
465905	*465205*		65704, 72727, 72728, 65754	SE2
465906	*465206*		65705, 72729, 72730, 65755	SE2
465907	*465207*		65706, 72731, 72732, 65756	SE2
465908 [4]	*465208*		65707, 72733, 72734, 65757	NSE
465909	*465209*		65708, 72735, 72736, 65758	SE2
465910	*465210*		65709, 72737, 72738, 65759	SE2
465911	*465211*		65710, 72739, 72740, 65760	SE2
465912	*465212*		65711, 72741, 72742, 65761	SE2
465913	*465213*		65712, 72743, 72744, 65762	SE2
465914	*465214*		65713, 72745, 72746, 65763	SE2
465915	*465215*	X	65714, 72747, 72748, 65764	
465916	*465216*		65715, 72749, 72750, 65765	SE2
465917	*465217*	X	65716, 72751, 72752, 65766	
465918	*465218*	S	65717, 72753, 72754, 65767	SE2
465919	*465219*		65718, 72755, 72756, 65768	SE2
465920	*465220*	X	65719, 72757, 72758, 65769	SE2
465921	*465221*	S	65720, 72759, 72760, 65770	SE2
465922	*465222*		65721, 72761, 72762, 65771	SE2
465923	*465223*		65722, 72763, 72764, 65772	SE2
465924	*465224*		65723, 72765, 72766, 65773	SE2
465925	*465225*		65724, 72767, 72768, 65774	SE2
465926	*465226*		65725, 72769, 72770, 65775	SE2
465927	*465227*		65726, 72771, 72772, 65776	SE2
465928	*465228*		65727, 72773, 72774, 65777	SE2
465929	*465229*		65728, 72775, 72776, 65778	SE2
465930	*465230*		65729, 72777, 72778, 65779	SE2
465931	*465231*	X	65730, 72779, 72780, 65780	SE2
465932	*465232*		65731, 72781, 72782, 65781	SE2
465933	*465233*	X	65732, 72783, 72784, 65782	SE2
465934	*465234*	X	65733, 72785, 72786, 65783	SE2

Notes

1: Numbered 465301 during 1992 when used as a demonstrator for the Networker.
2: 72787, 72799 scrapped 08/2024
3: Name: Remembrance
4: Name: Chris Green

466

Class 466 Networker



Built by Metro-Cammell. Refurbished between 2011 and 2013.

They can only be used in multiple with Class 465's, this is because they do not meet the current accessibility standards.

Formation	DMSO-DTSOL
System	750 V DC 3rd rail
Introduced	1993
Builder	Metro-Cammell
Power	1,120kW
Max Speed	75mph
Seats	168

Number		Form	Livery
466001	X	64860, 78312	SE2
466002	X	64861, 78313	
466003		64862, 78314	SE2
466004	X	64863, 78315	
466005	X	64864, 78316	
466006		64865, 78317	SE2
466007	X	64866, 78318	
466008		64867, 78319	SE2
466009	X	64868, 78320	
466010	X	64869, 78321	
466011		64870, 78322	SE2

466012	X	64871, 78323	
466013	X	64872, 78324	
466014	X	64873, 78325	
466015	X	64874, 78326	
466016	X	64875, 78327	
466017	X	64876, 78328	
466018		64877, 78329	SE2
466019		64878, 78330	SE2
466020	X	64879, 78331	
466021		64880, 78332	SE2
466022		64881, 78333	SE2
466023		64882, 78334	SE2
466024	X	64883, 78335	
466025	X	64884, 78336	
466026		64885, 78337	SE2
466027	X	64886, 78338	
466028	X	64887, 78339	
466029	X	64888, 78340	
466030	X	64889, 78341	
466031	X	64890, 78342	
466032	X	64891, 78343	
466033	X	64892, 78344	
466034		64893, 78345	SE2
466035		64894, 78346	SE2
466036	X	64895, 78347	
466037	X	64896, 78348	
466038		64897, 78349	SE2
466039		64898, 78350	SE2
466040		64899, 78351	SE2
466041	X	64900, 78352	
466042		64901, 78353	SE2
466043 [(1)]	P	64902, 78354	SE2

Notes

1: Llanelli & Mynydd Mawr Railway

483



Number	Name			Form	Note	Livery
002	RAPTOR	*483002*	X	122, 225		
004 [1]	T-REX	*483004*	P	124, 224		LUL
006 [2]	TERRY**	*483006*	P	126, 226		LUL
007 [3]	Jess Harper	*483007*	P	127, 227	1938 LUL branding on sides and windows.	LUL
008 [4]	IGGI**	*483008*	P	128, 228	At Sandown for move to Llanelli & Mynydd Mawr Railway	LUL
129 [5]		*10289, 483009, 009*	P		DMSO Converted to an Airbnb	
229 [6]		*483009, 009*	P			LUL

Notes
1: House of Chilli, Branstone
2: Llanelli & Mynydd Mawr Railway
3: Isle of Wight Steam Railway
4: Llanelli & Mynydd Mawr Railway
5: Apple Mount, Sudbury
6: Reid Freight Services, Cockshute Sidings

484



loveofrail

Ex TFL D78 stock, converted by Vivarail for use on the Isle of Wight.

First unit arrived on island November 2020

System	660V DC 3rd rail
Introduced	2020
Builder	Metro-Cammell / Vivarail
Max Speed	60mph
Length	18.37m
Width	2.85m

Number	Form	Depot
484001	131, 231	RY
484002	132, 232	RY
484003	133, 233	RY
484004	134, 234	RY
484005	135, 235	RY

507



Number	Name		Form
507001 (1) (2)		P	64367, 71342, 64405
507002		X	64368, 71343, 64406
507003		X	64369, 71344, 64407
507004	Bob Paisley**	X	64388, 71345, 64408
507005		X	64371, 71346, 64409
507006		X	64372, 71347, 64410
507007		X	64373, 71348, 64411
507008	Harold Wilson**	X	64374, 71349, 64412
507009	Dixie Dean**	X	64375, 71350, 64413**
507010		X	64376, 71351, 64414
507011		X	64377, 71352, 64415
507012		X	64378, 71353, 64416
507013		X	64379, 71354, 64417
507014		X	64380, 71355, 64418
507015		X	64381, 71356, 64419
507016	Merseyrail - Celebrating the first ten years 2003 - 2013**	X	64382, 71357, 64420
507017		X	64383, 71358, 64421
507018		X	64384, 71359, 64422
507019		X	64385, 71360, 64423
507020	John Peel**	X	64386, 71361, 64424
507021	Red Rum**	X	64387, 71362, 64425

Electric Unit			
507023	Operations Inspector Stuart Mason**	X	64389, 71364, 64427
507024		X	64390, 71365, 64428
507025		X	64391, 71366, 64429
507026	Councillor George Howard**	X	64392, 71367, 64430
507027		X	64393, 71368, 64431
507028		X	64394, 71369, 64432
507029		X	64395, 71370, 64433
507030		X	64396, 71371, 64434
507031		X	64397, 71372, 64435
507032		X	64398, 71373, 64436
507033	Councillor Jack Spriggs**	X	64399, 71374, 64437
64432 [3]		S	507028

Notes
1: Alstom Ltd, Derby
2: Livery: BLG
3: Aintree Community Fire Station

508



Number		Form	
508103	*508003*	X	64651, 71485, 64694
508104	*508004*	X	64652, 71486, 64695
508108	*508008*	X	64656, 71490, 64699

508110	*508010*	X	64658, 71492, 64701
508111 [1]	*508011*	X	64659, 71493, 64702
508112	*508012*	X	64660, 71494, 64703
508114	*508014*	X	64662, 71496, 64705
508115	*508015*	X	64663, 71497, 64706
508117	*508017*	X	64665, 71499, 64708
508118	*508018*	X	64666, 71500, 64709
508120	*508020*	X	64668, 71502, 64711
508122	*508022*	X	64670, 71504, 64713
508123 [2]	*508023*	X	64671, 71505, 64714
508124	*508024*	X	64672, 71506, 64715
508125	*508025*	X	64673, 71507, 64716
508126	*508026*	X	64674, 71508, 64717
508127	*508027*	X	64675, 71509, 64718
508128	*508028*	X	64676, 71510, 64719
508130	*508030*	X	64678, 71512, 64721
508131	*508031*	X	64679, 71513, 64722
508134	*508034*	X	64682, 71516, 64725
508136 [3]	*508036*	X	64684, 71518, 64727
508137	*508037*	X	64685, 71519, 64728
508138	*508038*	X	64686, 71520, 64729
508139	*508039*	X	64687, 71521, 64730
508140	*508040*	X	64688, 71522, 64731
508141	*508041*	X	64689, 71523, 64732
508143	*508043*	X	64691, 71525, 64734
508201	*508101, 508001*	X	64649, 71483, 64692
508201 [4]	*64649, 508101*	P	64649
508202	*508105, 508005*	X	64653, 71487, 64696
508203	*508106, 508006*	X	64654, 71488, 64697
508204	*508107, 508007*	X	64655, 71489, 64698
508205	*508109, 508009*	X	64657, 71491, 64700
508206	*508113, 508013*	X	64661, 71495, 64704
508207 [5] [6]	*508116, 508016*	X	64664, 71498, 64707
508208	*508119, 508019*	X	64667, 71501, 64710
508209	*508121, 508021*	X	64669, 71503, 64712

Electric Unit			
508210	*508129, 508029*	X	64677, 71511, 64720
508211	*508132, 508032*	X	64680, 71514, 64723
508212	*508133, 508033*		64681, 71515, 64724
508301	*508102, 508002*	X	64650, 71484, 64693
508302	*508135, 508035*	X	64683, 71517, 64726
508303	*508142, 508042*	X	64690, 71524, 64733

Notes
1: Name: The Beatles**
2: Name: William Roscoe**
3: Name: Wilfred Owen MC**
4: East Kent Railway
5: Name: James D Rowlands
6: 64664/64707 Converted to Translator vehicles.

614

Class 614 Hydrogen Prototype Unit

In February 2020, ScotRail announced plans to convert the remaining class 314 unit, 314209, to be powered by on-board hydrogen fuel cells. The initiative is intended to study the feasibility of using hydrogen to fuel trains, as part of ScotRail's commitment to end its use of diesel fuel for traction by 2035.

In September 2020, it was announced that the demonstrator would appear at the COP26 Climate Change Summit, to be held in Glasgow during November 2021. The unit was to operate special services for the benefit of visiting delegates. In advance of the summit the unit was reclassified into the alternative-fuels class number range and renumbered 614209.

An acknowledged limitation of the Class 614 demonstrator is that it can only carry 80kg of hydrogen, pressurised at 350bar. This is sufficient for short-distance operation as a prototype, but storage capacity will need to be significantly increased for normal passenger service to be feasible. The project team claim that it will be possible to achieve this increase by installing additional storage tanks within the vehicles – a necessity as the UK's standard loading gauge does not allow enough space for roof-mounted tanks.

Equipment has since been removed and the unit has been converted to a classroom and training facility at Glasgow works.

Formation	DMSO-PTSO-DMSO

Electric Unit

Length	19.8m
Width	2.82m
Height	3.582m
Introduced	2020
Wheel Arrangement	Bo'Bo'+2'2'+Bo'Bo'
Builder	BREL then Brodie Engineering & Arcola Energy
Max Speed	70mph
Wheelbase	14.17m
Brakes	Electro Pneumatic Discs

Number			Form	Note	Base	Livery
614209	*314209*	N	64599, 71458, 64600	71458 removed, and remains converted to hydrogen unit 614209 2021, equipment since removed. Now used as a classroom	Gibsons Engineering, Springburn, Glasgow	FSS
614209		S	64599, 71458, 64600		Gibsons Engineering, Springburn, Glasgow	FSS

700

City Desiro



MRG

New dual voltage EMUs for Thameslink

8 car unit

Gauge	1435mm
Builder	Siemens
System	25kV AC Overhead / 750V DC 3rd Rail
Introduced	2014–2018
Length	16200mm (8-Car) / 24260mm (12-Car)
Width	2800mm
Weight	278t (8-Car)
Power	3.3MW (8-Car) / 5.0 MW (12-Car)
Max Speed	160 km/h (100 mph)
Seats	700/0 427 +719 standing,

Number	Form	Livery
700001	401001, 402001, 403001, 406001, 407001, 410001, 411001, 412001	TLK
700002	401002, 402002, 403002, 406002, 407002, 410002, 411002, 412002	TLK

700003	401003, 402003, 403003, 406003, 407003, 410003, 411003, 412003	TLK
700004	401004, 402004, 403004, 406004, 407004, 410004, 411004, 412004	TLK
700005	401005, 402005, 403005, 406005, 407005, 410005, 411005, 412005	TLK
700006	401006, 402006, 403006, 406006, 407006, 410006, 411006, 412006	TLK
700007	401007, 402007, 403007, 406007, 407007, 410007, 411007, 412007	TLK
700008	401008, 402008, 403008, 406008, 407008, 410008, 411008, 412008	TLK
700009	401009, 402009, 403009, 406009, 407009, 410009, 411009, 412009	TLK
700010	401010, 402010, 403010, 406010, 407010, 410010, 411010, 412010	TLK
700011	401011, 402011, 403011, 406011, 407011, 410011, 411011, 412011	TLK
700012	401012, 402012, 403012, 406012, 407012, 410012, 411012, 412012	TLK
700013	401013, 402013, 403013, 406013, 407013, 410013, 411013, 412013	TLK
700014	401014, 402014, 403014, 406014, 407014, 410014, 411014, 412014	TLK
700015	401015, 402015, 403015, 406015, 407015, 410015, 411015, 412015	TLK
700016	401016, 402016, 403016, 406016, 407016, 410016, 411016, 412016	TLK
700017	401017, 402017, 403017, 406017, 407017, 410017, 411017, 412017	TLK
700018	401018, 402018, 403018, 406018, 407018, 410018, 411018, 412018	TLK
700019	401019, 402019, 403019, 406019, 407019, 410019, 411019, 412019	TLK
700020	401020, 402020, 403020, 406020, 407020, 410020, 411020, 412020	TLK
700021	401021, 402021, 403021, 406021, 407021, 410021, 411021, 412021	TLK
700022	401022, 402022, 403022, 406022, 407022, 410022, 411022, 412022	TLK
700023	401023, 402023, 403023, 406023, 407023, 410023, 411023, 412023	TLK
700024	401024, 402024, 403024, 406024, 407024, 410024, 411024, 412024	TLK

700025	401025, 402025, 403025, 406025, 407025, 410025, 411025, 412025	TLK
700026	401026, 402026, 403026, 406026, 407026, 410026, 411026, 412026	TLK
700027	401027, 402027, 403027, 406027, 407027, 410027, 411027, 412027	TLK
700028	401028, 402028, 403028, 406028, 407028, 410028, 411028, 412028	TLK
700029	401029, 402029, 403029, 406029, 407029, 410029, 411029, 412029	TLK
700030	410030, 402030, 403030, 406030, 407030, 410030, 411030, 412030	TLK
700031	401031, 402031, 403031, 406031, 407031, 410031, 411031, 412031	TLK
700032	401032, 402032, 403032, 406032, 407032, 410032, 411032, 412032	TLK
700033	401033, 402033, 403033, 406033, 407033, 410033, 411033, 412033	TLK
700034	401034, 402034, 403034, 406034, 407034, 410034, 411034, 412034	TLK
700035	401035, 402035, 403035, 406035, 407035, 410035, 411035, 412035	TLK
700036	401036, 402036, 403036, 406036, 407036, 410036, 411036, 412036	TLK
700037	401037, 402037, 403037, 406037, 407037, 410037, 411037, 412037	TLK
700038	401038, 402038, 403038, 406038, 407038, 410038, 411038, 412038	TLK
700039	401039, 402039, 403039, 406039, 407039, 410039, 411039, 412039	TLK
700040	401040, 402040, 403040, 406040, 407040, 410040, 411040, 412040	TLK
700041	401041, 402041, 403041, 406041, 407041, 410041, 411041, 412041	TLK
700042	401042, 402042, 403042, 406042, 407042, 410042, 411042, 412042	TLK
700043	401043, 402043, 403043, 406043, 407043, 410043, 411043, 412043	TLK
700044	401044, 402044, 403044, 406044, 407044, 410044, 411044, 412044	TLK
700045	401045, 402045, 403045, 406045, 407045, 410045, 411045, 412045	TLK
700046	401046, 402046, 403046, 406046, 407046, 410046, 411046, 412046	TLK

700047	401047, 402047, 403047, 406047, 407047, 410047, 411047, 412047	TLK
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700051	401051, 402051, 403051, 406051, 407051, 410051, 411051, 412051	TLK
700052	401052, 402052, 403052, 406052, 407052, 410052, 411052, 412052	TLK
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700054	401054, 402054, 403054, 406054, 407054, 410054, 411054, 412054	TLK
700055	401055, 402055, 403055, 406055, 407055, 410055, 411055, 412055	TLK
700056	401056, 402056, 403056, 406056, 407056, 410056, 411056, 412056	TLK
700057	401057, 402057, 403057, 406057, 407057, 410057, 411057, 412057	TLK
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700059	401059, 402059, 403059, 406059, 407059, 410059, 411059, 412059	TLK
700060	401060, 402060, 403060, 406060, 407060, 410060, 411060, 412060	TLK

Electric Unit

700/1

12 Car Units



700101 East Croydon 31.01.24

Swintonblade

Dual voltage for Thameslink

Length	24260mm
Power	5.0 MW
Weight	410t (12-Car)
Seats	700/1 666 + 1088 standing

Number	Form	Livery
700101	401101, 402101, 403101, 404101, 405101, 406101, 407101, 408101, 409101, 410101, 411101, 412101	TLK
700102	401102, 402102, 403102, 404102, 405102, 406102, 407102, 408102, 409102, 410102, 411102, 412102	TLK
700103	401103, 402103, 403103, 404103, 405103, 406103, 407103, 408103, 409103, 410103, 411103, 412103	TLK
700104	401104, 402104, 403104, 404104, 405104, 406104, 407104, 408104, 409104, 410104, 411104, 412104	TLK
700105	401105, 402105, 403105, 404105, 405105, 406105, 407105, 408105, 409105, 410105, 411105, 412105	TLK
700106	401106, 402106, 403106, 404106, 405106, 406106, 407106, 408106, 409106, 410106, 411106, 412106	TLK

700107	401107, 402107, 403107, 404107, 405107, 406107, 407107, 408107, 409107, 410107, 411107, 412107	TLK
700108	401108, 402108, 403108, 404108, 405108, 406108, 407108, 408108, 409108, 410108, 411108, 412108	TLK
700109	401109, 402109, 403109, 404109, 405109, 406109, 407109, 408109, 409109, 410109, 411109, 412109	TLK
700110 [1]	401110, 402110, 403110, 404110, 405110, 406110, 407110, 408110, 409110, 410110, 411110, 412110	TLK
700111	401111, 402111, 403111, 404111, 405111, 406111, 407111, 408111, 409111, 410111, 411111, 412111	TLK
700112	401112, 402112, 403112, 404112, 405112, 406112, 407112, 408112, 409112, 410112, 411112, 412112	TLK
700113	401113, 402113, 403113, 404113, 405113, 406113, 407113, 408113, 409113, 410113, 411113, 412113	TLK
700114	401114, 402114, 403114, 404114, 405114, 406114, 407114, 408114, 409114, 410114, 411114, 412114	TLK
700115	401115, 402115, 403115, 404115, 405115, 406115, 407115, 408115, 409115, 410115, 411115, 412115	TLK
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700119	401119, 402119, 403119, 404119, 405119, 406119, 407119, 408119, 409119, 410119, 411119, 412119	TLK
700120	401120, 402120, 403120, 404120, 405120, 406120, 407120, 408120, 409120, 410120, 411120, 412120	TLK
700121	401121, 402121, 403121, 404121, 405121, 406121, 407121, 408121, 409121, 410121, 411121, 412121	TLK
700122	401122, 402122, 403122, 404122, 405122, 406122, 407122, 408122, 409122, 410122, 411122, 412122	TLK
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700124 [2]	401124, 402124, 403124, 404124, 405124, 406124, 407124, 408124, 409124, 410124, 411124, 412124	TLK
700125	401125, 402125, 403125, 404125, 405125, 406125, 407125, 408125, 409125, 410125, 411125, 412125	TLK

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700128	401128, 402128, 403128, 404128, 405128, 406128, 407128, 408128, 409128, 410128, 411128, 412128	TLK
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700141	401141, 402141, 403141, 404141, 405141, 406141, 407141, 408141, 409141, 410141, 411141, 412141	TLK

Electric Unit		
700142	401142, 402142, 403142, 404142, 405142, 406142, 407142, 408142, 409142, 410142, 411142, 412142	TLK
700143	401143, 402143, 403143, 404143, 405143, 406143, 407143, 408143, 409143, 410143, 411143, 412143	TLK
700144	401144, 402144, 403144, 404144, 405144, 406144, 407144, 408144, 409144, 410144, 411144, 412144	TLK
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700146	401146, 402146, 403146, 404146, 405146, 406146, 407146, 408146, 409146, 410146, 411146, 412146	TLK
700147	401147, 402147, 403147, 404147, 405147, 406147, 407147, 408147, 409147, 410147, 411147, 412147	TLK
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700150	401150, 402150, 403150, 404150, 405150, 406150, 407150, 408150, 409150, 410150, 411150, 412150	TLK
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700153	401153, 402153, 403153, 404153, 405153, 406153, 407153, 408153, 409153, 410153, 411153, 412153	TLK
700154	401154, 402154, 403154, 404154, 405154, 406154, 407154, 408154, 409154, 410154, 411154, 412154	TLK
700155 [3]	401155, 402155, 403155, 404155, 405155, 406155, 407155, 408155, 409155, 410155, 411155, 412155	TLK

Notes

1: ERTMS Test unit

2: Name: Driver Phil Marchant Keeping us moving for more than 12 years

3: has Pride rainbow vinyls on each power car

701

Arterio



701011 stabled at Clapham Yard

Neil Thaler

South Western Railway, ten car and five car Bombardier/Alstom Arterio units.

Introduced into service 2024 and operating Waterloo to Windsor and Reading services.

Based at Feltham and Wimbledon depots

Builder	Alstom Derby
Max Speed	100mph
Introduced	2019–2024
System	750 V DC third rail
Power	4000kW
Seats	556
Brakes	Electro-Pneumatic disc / Rheostatic regenerative.
Formation	DM-(P)M-TLW-M-EM-EM-M-TLW-(P)M-DM
Bogies	Flex B5000

Number	Name		Form	Livery
701001		A	480001, 481001, 482001, 483001, 484001, 485001, 486001, 487001, 488001, 489001	SWX
701002		A	480002, 481002, 482002, 483002, 484002, 485002, 486002, 487002, 488002, 489002	SWX

701003	A	480003, 481003, 482003, 483003, 484003, 485003, 486003, 487003, 488003, 489003	SWX
701004	A	480004, 481004, 482004, 483004, 484004, 485004, 486004, 487004, 488004, 489004	SWX
701005	A	480005, 481005, 482005, 483005, 484005, 485005, 486005, 487005, 488005, 489005	SWX
701006	A	480006, 481006, 482006, 483006, 484006, 485006, 486006, 487006, 488006, 489006	GBR
701007	A	480007, 481007, 482007, 483007, 484007, 485007, 486007, 487007, 488007, 489007	SWX
701008	A	480008, 481008, 482008, 483008, 484008, 485008, 486008, 487008, 488008, 489008	SWX
701009	A	480009, 481009, 482009, 483009, 484009, 485009, 486009, 487009, 488009, 489009	SWX
701010	A	480010, 481010, 482010, 483010, 484010, 485010, 486010, 487010, 488010, 489010	SWX
701011	A	480011, 481011, 482011, 483011, 484011, 485011, 486011, 487011, 488011, 489011	SWX
701012	A	480012, 481012, 482012, 483012, 484012, 485012, 486012, 487012, 488012, 489012	SWX
701013	A	480013, 481013, 482013, 483013, 484013, 485013, 486013, 487013, 488013, 489013	SWX
701014	A	480014, 481014, 482014, 483014, 484014, 485014, 486014, 487014, 488014, 489014	SWX
701015	A	480015, 481015, 482015, 483015, 484015, 485015, 486015, 487015, 488015, 489015	SWX

701016	A	480016, 481016, 482016, 483016, 484016, 485016, 486016, 487016, 488016, 489016	SWX
701017	A	480017, 481017, 482017, 483017, 484017, 485017, 486017, 487017, 488017, 489017	SWX
701018	A	480018, 481018, 482018, 483018, 484018, 485018, 486018, 487018, 488018, 489018	SWX
701019	A	480019, 481019, 482019, 483019, 484019, 485019, 486019, 487019, 488019, 489019	SWX
701020	A	480020, 481020, 482020, 483020, 484020, 485020, 486020, 487020, 488020, 489020	SWX
701021	A	480021, 481021, 482021, 483021, 484021, 485021, 486021, 487021, 488021, 489021	SWX
701022	A	480022, 481022, 482022, 483022, 484022, 485022, 486022, 487022, 488022, 489022	SWX
701023	A	480023, 481023, 482023, 483023, 484023, 485023, 486023, 487023, 488023, 489023	SWX
701024	A	480024, 481024, 482024, 483024, 484024, 485024, 486024, 487024, 488024, 489024	SWX
701025	A	480025, 481025, 482025, 483025, 484025, 485025, 486025, 487025, 488025, 489025	SWX
701026	A	480026, 481026, 482026, 483026, 484026, 485026, 486026, 487026, 488026, 489026	SWX
701027	A	480027, 481027, 482027, 483027, 484027, 485027, 486027, 487027, 488027, 489027	SWX
701028	A	480028, 481028, 482028, 483028, 484028, 485028, 486028, 487028, 488028, 489028	SWX

701029		A	480029, 481029, 482029, 483029, 484029, 485029, 486029, 487029, 488029, 489029	SWX
701030		A	480030, 481030, 482030, 483030, 484030, 485030, 486030, 487030, 488030, 489030	SWX
701031	Nighthawk	A	480031, 481031, 482031, 483031, 484031, 485031, 486031, 487031, 488031, 489031	SWX
701032		A	480032, 481032, 482032, 483032, 484032, 485032, 486032, 487032, 488032, 489032	SWX
701033		A	480033, 481033, 482033, 483033, 484033, 485033, 486033, 487033, 488033, 489033	SWX
701034		A	480034, 481034, 482034, 483034, 484034, 485034, 486034, 487034, 488034, 489034	SWX
701035	Jockey	A	480035, 481035, 482034, 483035, 484035, 485035, 486035, 487035, 488035, 489035	SWX
701036	Red Rose	A	480036, 481036, 482036, 483036, 484036, 485036, 486036, 487036, 488036, 489036	SWX
701037		A	480037, 481037, 482037, 483037, 484037, 485037, 486037, 487037, 488037, 489037	SWX
701038		A	480038, 481038, 482038, 483038, 484038, 485038, 486038, 487038, 488038, 489038	SWX
701039		A	480039, 481039, 482039, 483039, 484039, 485039, 486039, 487039, 488039, 489039	SWX
701040		A	480040, 481040, 482040, 483040, 484040, 485040, 486040, 487040, 488040, 489040	SWX

701041		A	480041, 481041, 482041, 483041, 484041, 485041, 486041, 487041, 488041, 489041	SWX
701042		A	480042, 481042, 482042, 483042, 484042, 485042, 486042, 487042, 488042, 489042	SWX
701043	Thames Racer	A	480043, 481043, 482043, 483043, 484043, 485043, 486043, 487043, 488043, 489043	SWX
701044		A	480044, 481044, 482044, 483044, 484044, 485044, 486044, 487044, 488044, 489044	SWX
701045		A	480045, 481045, 482045, 483045, 484045, 485045, 486045, 487045, 488045, 489045	SWX
701046		A	480046, 481046, 482046, 483046, 484046, 485046, 486046, 487046, 488046, 489046	SWX
701047		A	480047, 481047, 482047, 483047, 484047, 485047, 486047, 487047, 488047, 489047	SWX
701048		A	480048, 481048, 482048, 483048, 484048, 485048, 486048, 487048, 488048, 489048	SWX
701049		A	480049, 481049, 482049, 483049, 484049, 485049, 486049, 487049, 488049, 489049	SWX
701050		A	480050, 481050, 482050, 483050, 484050, 485050, 486050, 487050, 488050, 489050	SWX
701051		A	480051, 481051, 482051, 483051, 484051, 485051, 486051, 487051, 488051, 489051	SWX
701052		A	480052, 481052, 482052, 483052, 484052, 485052, 486052, 487052, 488052, 489052	SWX

701053		A	480053, 481053, 482053, 483053, 484053, 485053, 486053, 487053, 488053, 489053	SWX
701054		A	480054, 481054, 482054, 483054, 484054, 485054, 486054, 487054, 488054, 489054	SWX
701055		A	480055, 481055, 482055, 483055, 484055, 485055, 486055, 487055, 488055, 489055	SWX
701056		A	480056, 481056, 482056, 483056, 484056, 485056, 486056, 487056, 488056, 489056	SWX
701057		A	480057, 481057, 482057, 483057, 484057, 485057, 486057, 487057, 488057, 489057	SWX
701058		A	480058, 481058, 482058, 483058, 484058, 485058, 486058, 487058, 488058, 489058	SWX
701059		A	480059, 481059, 482059, 483059, 484059, 485059, 486059, 487059, 488059, 489059	SWX
701060	Legoland Locomotive	A	480060, 481060, 482060, 483060, 484060, 485060, 486060, 487060, 488060, 489060	LEGO

Electric Unit

701/5

Five Car units



Phil Hayward

Built by Alstom for South Western Railways

Power	2000kW
Seats	274
Formation	DMS-MS-TS-MS-DMS
System	750 V DC third rail
Wheel Arrangement	2-Bo+Bo-2+2-2+2-Bo+Bo-2

Number		Form	Livery
701501	S	480101, 481101, 482101, 483101, 484101	SWX
701502	S	480102, 481102, 482102, 483102, 484102	SWX
701503	T	480103, 481103, 482103, 483103, 484103	SWX
701504	T	480104, 481104, 482104, 483104, 484104	SWX
701505	T	480105, 481105, 482105, 483105, 484105	SWX
701506	T	480106, 481106, 482106, 483106, 484106	SWX
701507	T	480107, 481107, 482107, 483107, 484107	SWX
701508	S	480108, 481108, 482108, 483108, 484108	SWX
701509	T	480109, 481109, 482109, 483109, 484109	SWX
701510	S	480110, 481110, 482110, 483110, 484110	SWX
701511	T	480111, 481111, 482111, 483111, 484111	SWX
701512	T	480112, 481112, 482112, 483112, 484112	SWX
701513	T	480113, 481113, 482113, 483113, 484113	SWX
701514	T	480114, 481114, 482114, 483114, 484114	SWX

Electric Unit			
701515	T	480115, 481115, 482115, 483115, 484115	SWX
701516	T	480116, 481116, 482116, 483116, 484116	SWX
701517	T	480117, 481117, 482117, 483117, 484117	SWX
701518	T	480118, 481118, 482118, 483118, 484118	SWX
701519	T	480119, 481119, 482119, 483119, 484119	SWX
701520	T	480120, 481120, 482120, 483120, 484120	SWX
701521	T	480121, 481121, 482121, 483121, 484121	SWX
701522	T	480122, 481122, 482122, 483122, 484122	SWX
701523	T	480123, 481123, 482123, 483123, 484123	SWX
701524	S	480124, 481124, 482124, 483124, 484124	SWX
701525	T	480125, 481125, 482125, 483125, 484125	SWX
701526	T	480126, 481126, 482126, 483126, 484126	SWX
701527	T	480127, 481127, 482127, 483127, 484127	SWX
701528	T	480128, 481128, 482128, 483128, 484128	SWX
701529	T	480129, 481129, 482129, 483129, 484129	SWX
701530	T	480130, 481130, 482130, 483130, 484130	SWX

707



Philip A Hayward

Siemens 'Desiro City 5-Car EMUs for South West Trains

Gauge	1435mm
Builder	Siemens
Max Speed	100 mph
Introduced	2016 onwards
System	750v DC third rail / 25kV AC overhead

Number	Form	Livery

Electric Unit		
707001	421001, 422001, 423001, 424001, 425001	SE3
707002	421002, 422002, 423002, 424002, 425002	SE3
707003	421003, 422003, 423003, 424003, 425003	SE3
707004	421004, 422004, 423004, 424004, 425004	SE3
707005 [(1)]	421005, 422005, 423005, 424005, 425005	SE3
707006	421006, 422006, 423006, 424006, 425006	SE3
707007	421007, 422007, 423007, 424007, 425007	SE3
707008	421008, 422008, 423008, 424008, 425008	SE3
707009	421009, 422009, 423009, 424009, 425009	SE3
707010	421010, 422010, 423010, 424010, 425010	SE3
707011	421011, 422011, 423011, 424011, 425011	SE3
707012	421012, 422012, 423012, 424012, 425012	SE3
707013	421013, 422013, 423013, 424013, 425013	SE3
707014	421014, 422014, 423014, 424014, 425014	SE3
707015	421015, 422015, 423015, 424015, 425015	SE3
707016	421016, 422016, 423016, 424016, 425016	SE3
707017	421017, 422017, 423017, 424017, 425017	SE3
707018	421018, 422018, 423018, 424018, 425018	SE3
707019	421019, 422019, 423019, 424019, 425019	SE3
707020	421020, 422020, 423020, 424020, 425020	SE3
707021	421021, 422021, 423021, 424021, 425021	SE3
707022	421022, 422022, 423022, 424022, 425022	SE3
707023	421023, 422023, 423023, 424023, 425023	SE3
707024	421024, 422024, 423024, 424024, 425024	SE3
707025	421025, 422025, 423025, 424025, 425025	SE3
707026	421026, 422026, 423026, 424026, 425026	SE3
707027	421027, 422027, 423027, 424027, 425027	SE3
707028	421028, 422028, 423028, 424028, 425028	SE3
707029	421029, 422029, 423029, 424029, 425029	SE3
707030	421030, 422030, 423030, 424030, 425030	SE3

Notes
1: Name: James Brokenshire

710

AVENTRA



MRG

Class 710 is a development of Bombardier's Aventra electric multiple unit design which are being built for London Overground.

Introduced	2017-2019
Builder	Bombardier Transportation
System	25kV AC 710.1 25kV AC/750V DC 710.2
Wheel Arrangement	Bo-2+2-Bo+Bo-2+2-Bo 4 car Bo-2+2-Bo+Bo-2+2-Bo+2-Bo 5 car
Power	2 x 265kW
Max Speed	75mph

Number	Form	Livery
710101	431101, 431201, 431301, 431501	LOG
710102	431102, 431202, 431302, 431502	LOG
710103	431103, 431203, 431303, 431503	LOG
710104	431104, 431204, 431304, 431504	LOG
710105	431105, 431205, 431305, 431505	LOG
710106	431106, 431206, 431306, 431506	LOG
710107	431107, 431207, 431307, 431507	LOG
710108	431108, 431208, 431308, 431508	LOG
710109	431109, 431209, 431309, 431509	LOG
710110	431110, 431210, 431310, 431510	LOG

710111		431111, 431211, 431311, 431511	LOG
710112		431112, 431212, 431312, 431512	LOG
710113		431113, 431213, 431313, 431513	LOG
710114		431114, 431214, 431314, 431514	LOG
710115		431115, 431215, 431315, 431515	LOG
710116		431116, 431216, 431316, 431516	LOG
710117		431117, 431217, 431317, 431517	LOG
710118		431118, 431218, 431318, 431518	LOG
710119		431119, 431219, 431319, 431519	LOG
710120		431120, 431220, 431320, 431520	LOG
710121		431121, 431221, 431321, 431521	LOG
710122		431122, 431222, 431322, 431522	LOG
710123		431123, 431423, 431323, 431523	LOG
710124		431124, 431224, 431324, 431524	LOG
710125		431125, 431225, 431325, 431525	LOG
710126		431126, 431226, 431326, 431526	LOG
710127		431127, 431227, 431327, 431527	LOG
710128		431128, 431228, 431328, 431528	LOG
710129		431129, 431229, 431329, 431529	LOG
710130		431130, 431230, 431330, 431530	LOG
710256		432156, 432256, 432356, 432556	LOG
710257		432157, 432257, 432357, 432557	LOG
710258		432158, 432258, 432358, 432558	LOG
710259		432159, 432259, 432359, 432559	LOG
710260		432160, 432260, 432360, 432560	LOG
710261		432161, 432261, 432361, 432561	LOG
710262		432162, 432262, 432362, 432562	LOG
710263		432163, 432263, 432363, 432563	LOG
710264		432164, 432264, 432364, 432564	LOG
710265		432165, 432265, 432365, 432565	LOG
710266		432166, 432266, 432366, 432566	LOG
710267		432167, 432267, 432367, 432567	LOG
710268		432168, 432268, 432368, 432568	LOG
710269		432169, 432269, 432369, 432569	LOG
710270		432170, 432270, 432370, 432570	LOG
710271		432171, 432271, 432371, 432571	LOG
710272		432172, 432272, 432372, 432572	LOG
710273		432173, 432273, 432373, 432573	LOG
710374	*710274*	432174, 432274, 432374, 432474, 432574	LOG
710375	*710275*	432175, 432275, 432375, 432475, 432575	LOG

Electric Unit			
710376	*710276*	432176, 432276, 432376, 432476, 432576	LOG
710377	*710277*	432177, 432277, 432377, 432477, 432577	LOG
710378	*710278*	432178, 432278, 432378, 432478, 432578	LOG
710379	*710279*	432179, 432279, 432379, 432479, 432579	LOG

717

For use on GN inner suburban services



Phil Hayward

The Class 717 is an electric multiple unit being constructed for Great Northern by German rolling stock manufacturer Siemens for services from Moorgate, London. A total of 25 six-car units are to be built. They to enter service in September 2018. Replaces Class 313.

Length	121,674 mm (399 ft 2 3⁄8 in)
Width	2.80 m (9 ft 2 in)
Introduced	2018
Builder	Siemens Mobility
Weight	204 t (201 long tons; 225 short tons)
Max Speed	85 mph (137 km/h)

Number	Form	Livery
717001	451001, 452001, 453001, 454001, 455001, 456001	TLK

717002	451002, 452002, 453002, 454002, 455002, 456002	TLK
717003	451003, 452003, 453003, 454003, 455003, 456003	TLK
717004	451004, 452004, 453004, 454004, 455004, 456004	TLK
717005	451005, 452005, 453005, 454005, 455005, 456005	TLK
717006	451006, 452006, 453006, 454006, 455006, 456006	TLK
717007	451007, 452007, 453007, 454007, 455007, 456007	TLK
717008	451008, 452008, 453008, 454008, 455008, 456008	TLK
717009	451009, 452009, 453009, 454009, 455009, 456009	TLK
717010	451010, 452010, 453010, 454010, 455010, 456010	TLK
717011	451011, 452011, 453011, 454011, 455011, 456011	TLK
717012	451012, 452012, 453012, 454012, 455012, 456012	TLK
717013	451013, 452013, 453013, 454013, 455013, 456013	TLK
717014	451014, 452014, 453014, 454014, 455014, 456014	TLK
717015	451015, 452015, 453015, 454015, 455015, 456015	TLK
717016	451016, 452016, 453016, 454016, 455016, 456016	TLK
717017	451017, 452017, 453017, 454017, 455017, 456017	TLK
717018	451018, 452018, 453018, 454018, 455018, 456018	TLK
717019	451019, 452019, 453019, 454019, 455019, 456019	TLK
717020	451020, 452020, 453020, 454020, 455020, 456020	TLK
717021	451021, 452021, 453021, 454021, 455021, 456021	TLK
717022	451022, 452022, 453022, 454022, 455022, 456022	TLK
717023	451023, 452023, 453023, 454023, 455023, 456023	TLK
717024	451024, 452024, 453024, 454024, 455024, 456024	TLK

Electric Unit		
717025	451025, 452025, 453025, 454025, 455025, 456025	TLK

720

Aventra



Crewe 22 October 2020

Phil Pollard

All are owned by Angel Trains. All are operated by Greater Anglia and c2c. All are allocated to Ilford.

System	25kV AC
Builder	Bombardier Derby
Max Speed	100mph
Formation	5 cars per unit
Introduced	2020
Power	2,300kW
Seats	Greater Anglia 490 +145 standing, c2c 443 +236 standing

Number		Form	Livery
720101	A	450101, 451101, 452101, 453101, 454101	GAR
720102	A	450102, 451102, 452102, 453102, 454102	GAR
720103	A	450103, 451103, 452103, 453103, 454103	GAR
720104	A	450104, 451104, 452104, 453104, 454104	GAR
720105	A	450105, 451105, 452105, 453105, 454105	GAR
720106	A	450106, 451106, 452106, 453106, 454106	GAR
720107	A	450107, 451107, 452107, 453107, 454107	GAR
720108	A	450108, 451108, 452108, 453108, 454108	GAR
720109	A	450109, 451109, 452109, 453109, 454109	GAR
720110	A	450110, 451110, 452110, 453110, 454110	GAR

720111	A	450111, 451111, 452111, 453111, 454111	GAR
720112	A	450112, 451112, 452112, 453112, 454112	GAR
720113	A	450113, 451113, 452113, 453113, 454113	GAR
720114	A	450114, 451114, 452114, 453114, 454114	GAR
720115	A	450115, 451115, 452115, 453115, 454115	GAR
720116	A	450116, 451116, 452116, 453116, 454116	GAR
720117	A	450117, 451117, 452117, 453117, 454117	GAR
720118	A	450118, 451118, 452118, 453118, 454118	GAR
720119	A	450119, 451119, 452119, 453119, 454119	GAR
720120	A	450120, 451120, 452120, 453120, 454120	GAR
720121	A	450121, 451121, 452121, 453121, 459121	GAR
720122	A	450122, 451122, 452122, 453122, 459122	GAR
720123	A	450123, 451123, 452123, 453123, 459123	GAR
720124	A	450124, 451124, 452124, 453124, 459124	GAR
720125	A	450125, 451125, 452125, 453125, 459125	GAR
720126	A	450126, 451126, 452126, 453126, 459126	GAR
720127	A	450127, 451127, 452127, 453127, 459127	GAR
720128	A	450128, 451128, 452128, 453128, 459128	GAR
720129	A	450129, 451129, 452129, 453129, 459129	GAR
720130	A	450130, 451130, 452130, 453130, 459130	GAR
720131	A	450131, 451131, 452131, 453131, 459131	GAR
720132	A	450132, 451132, 452132, 453132, 459132	GAR
720133	A	450133, 451133, 452133, 453133, 459133	GAR
720134	A	450135, 451135, 452135, 453135, 459135	GAR
720135	A	450135, 451135, 452135, 453135, 459135	GAR
720136	A	450136, 451136, 452136, 453136, 459136	GAR
720137	A	4501367451137, 452137, 453137, 459137	GAR
720138	A	450138, 451138, 452138, 453138, 459138	GAR
720139	A	450139, 451139, 452139, 453139, 459139	GAR
720140	A	450140, 451140, 452140, 453140, 459140	GAR
720141	A	450141, 451141, 452141, 153141, 159141	GAR
720142	A	450142, 451142, 452142, 453142, 459142	GAR
720143	A	450143, 451143, 452143, 453143, 459143	GAR
720144	A	450144, 451144, 452144, 453144, 459144	GAR
720501	A	450501, 451501, 452501, 453501, 459501	GAR
720502	A	450502, 451502, 452502, 453502, 459502	GAR
720503	A	450503, 451503, 452503, 453503, 459503	GAR
720504	A	450504, 451504, 452504, 453504, 459504	GAR
720505	A	450505, 451505, 452505, 453505, 459505	GAR
720506	A	450506, 451506, 452506, 453506, 459506	GAR
720507	A	450507, 451507, 452507, 453507, 459507	GAR
720508	A	450508, 451508, 452508, 453508, 459508	GAR
720509	A	450509, 451509, 452508, 453509, 459509	GAR

720510	A	450510, 451510, 452510, 453510, 459510	GAR
720511	A	450511, 451511, 452511, 453511, 459511	GAR
720512	A	450512, 451512, 452512, 453512, 459512	GAR
720513	A	450513, 451513, 452513, 453513, 459513	GAR
720514	A	450514, 451514, 452514, 453514, 459514	GAR
720515	A	450515, 451515, 452515, 453515, 459515	GAR
720516	A	450516, 451516, 452516, 453156, 459516	GAR
720517	A	450517, 451517, 452517, 453517, 459517	GAR
720518	A	450518, 451518, 452518, 453518, 459518	GAR
720519	A	450519, 451519, 452519, 453519, 459519	GAR
720520	A	450520, 451520, 452520, 453520, 459520	GAR
720521	A	450521, 451521, 452521, 453521, 459521	GAR
720522	A	450522, 451522, 452522, 453522, 459522	GAR
720523	A	450523, 451523, 452523, 453523, 459523	GAR
720524	A	450524, 451524, 452524, 453524, 459524	GAR
720525	A	450525, 451525, 452525, 453525, 459525	GAR
720526	A	450526, 451526, 452526, 453526, 459526	GAR
720527	A	450527, 451527, 452527, 453527, 459527	GAR
720528	A	450528, 451528, 452528, 453528, 359528	GAR
720529	A	450529, 451529, 452529, 453529, 459529	GAR
720530	A	450530, 451530, 452530, 453530, 459530	GAR
720531	A	450531, 451531.452531.453531, 459531	GAR
720532	A	450532, 451532, 452532, 453532, 459532	GAR
720533	A	450533, 451533, 452533, 453533, 459533	GAR
720534	A	450534, 451534, 452534, 453534, 459534	GAR
720535	A	450535, 451535, 452535, 453535, 459535	GAR
720536	A	450536, 451536, 452536, 453536, 459536	GAR
720537	A	450537, 451537, 452537, 453537, 459537	GAR
720538	A	450538, 451538, 452538, 453538, 459538	GAR
720539	A	450539, 451539, 452539, 453539, 459539	GAR
720540	A	450540, 451540, 452540, 453540, 459540	GAR
720541	A	450541, 451541, 452541, 453541, 459541	GAR
720542	A	450542, 451542, 452542, 453542, 459542	GAR
720543	A	450543, 451543, 452543, 453543, 459543	GAR
720544	A	450544, 451544, 452544, 453544, 459544	GAR
720545	A	450545, 451545, 452545, 453545, 459545	GAR
720546	A	450546, 451546, 452546, 453546, 459546	GAR
720547	A	450547, 451547, 452547, 453547, 459547	GAR
720548	A	450548, 451548, 452548, 453548, 459548	GAR
720549	A	450549, 451549, 452549, 453549, 459549	GAR
720550	A	450550, 451550, 452550, 453550, 459550	GAR
720551	A	450551, 451551, 452551, 453551, 459551	GAR
720552	A	450552, 451552, 452552, 453552, 459552	GAR

720553	A	450553, 451553, 452553, 453553, 459553	GAR
720554	A	450554, 451554, 452554, 453554, 459554	GAR
720555	A	450555, 451555, 452555, 453555, 459555	GAR
720556	A	450556, 451556, 452556, 453556, 459556	GAR
720557	A	450557, 451557, 452557, 453557, 459557	GAR
720558	A	450558, 451558, 452558, 453558, 459558	GAR
720559	A	450559, 451559, 452559, 453559, 459559	GAR
720560	A	450560, 451560, 452560, 453560, 459560	GAR
720561	A	450561, 451561, 452561, 453561, 459561	GAR
720562	A	450562, 451562, 452562, 453562, 459562	GAR
720563	A	450563, 451563, 452563, 453563, 459463	GAR
720564	A	450564, 451564, 452564, 453564, 459564	GAR
720565	A	450565, 451565, 452565, 453565, 459565	GAR
720566	A	450566, 451566, 452566, 453566, 459566	GAR
720567	A	450567, 451567, 452567, 453567, 459567	GAR
720568	A	450568, 451568, 452568, 453568, 459568	GAR
720569	A	450569, 451569, 452569, 453569, 459569	GAR
720570	A	450570, 451570, 452570, 453570, 459570	GAR
720571	A	450571, 451571, 452571, 453571, 459571	GAR
720572	A	450572, 451572, 452572, 453572, 459572	GAR
720573	A	450573, 451573, 452573, 453573, 459573	GAR
720574	A	450574, 451574, 452574, 453574, 459574	GAR
720575	A	450575, 451575, 452575, 453575, 459575	GAR
720576	A	450576, 451576, 452576, 453, 476, 459576	GAR
720577	A	450577, 451577, 452577, 453577, 459577	GAR
720578	A	450578, 451578, 452578, 453578, 459578	GAR
720579	A	450579, 451579, 452479, 453579, 459579	GAR
720580	A	450580, 451580, 452580, 453580, 459580	GAR
720581	A	450581, 451581, 452581, 453581, 459581	GAR
720582	A	450582, 451582, 452582, 453582, 459582	GAR
720583	A	450583, 451583, 452583, 453583, 459583	GAR
720584	A	450584, 451584, 452584, 453584, 459584	GAR
720585	A	450585, 451585, 452585, 453585, 459585	GAR
720586	A	450586, 451586, 452586, 453586, 459586	GAR
720587	A	450587, 451587, 452587, 453587, 459587	GAR
720588	A	450588, 451588, 452588, 453588, 459588	GAR
720589	A	450589, 451589, 452589, 453589, 459580	GAR
720601		450601, 451601, 452601, 453601, 459601	
720602		450602, 451602, 452602, 453602, 459602	
720603		450603, 451603, 452603, 453603, 459603	
720604		450604, 451604, 452604, 453604, 459604	
720605		450605, 451605, 452605, 453605, 459605	
720606		450606, 451606, 452606, 453606, 459606	

Electric Unit	
720607	450607, 451607, 452607, 453607, 459607
720608	450608, 451608, 452608, 453608, 459608
720609	450609, 451609, 452609, 453609, 459609
720610	450610, 451610, 452610, 453610, 459610
720611	450611, 451611, 452611, 453611, 459611
720612	450612, 451612, 452612, 453612, 459612

730

Aventra



Driver train being undertaken by 730010 on 5Q65 Rugby to Crewe.

Neil Thaler

Bombardier Aventra EMUs

Three car units 730/0

For use by London Northwestern Railway

System	25kV AC
Builder	Bombardier
Max Speed	90mph
Formation	DM1-PMLW-DM2
Seats	201

Number	Form	Livery
730001	490001, 492001, 494001	WM1
730002	490002, 492002, 494002	WM1

730003	490003, 492003, 494003	WM1
730004	490004, 492004, 494004	WM1
730005	490005, 492005, 494005	WM1
730006	490006, 492006, 494006	WM1
730007	490007, 492007, 494007	WM1
730008	490008, 492008, 494008	WM1
730009	490009, 492009, 494009	WM1
730010	490010, 492010, 494010	WM1
730011	490011, 492011, 494011	WM1
730012	490012, 492012, 494012	WM1
730013	490013, 492013, 494013	WM1
730014	490014, 492014, 494014	WM1
730015	490015, 492015, 494015	WM1
730016	490016, 492016, 494016	WM1
730017	490017, 492017, 494017	WM1
730018 [(1)]	490018, 492018, 494018	WM1
730019	490019, 492019, 494019	WM1
730020	490020, 492020, 494020	WM1
730021	490021, 492021, 494021	WM1
730022	490022, 492022, 494022	WM1
730023	490023, 492023, 494023	WM1
730024	490024, 492024, 494024	WM1
730025	490025, 492025, 494025	WM1
730026	490026, 492026, 494026	WM1
730027	490027, 492027, 494027	WM1
730028	490028, 492028, 494028	WM1
730029	490029, 492029, 494029	WM1
730030	490030, 492030, 494030	WM1
730031	490031, 492031, 494031	WM1
730032	490032, 492032, 494032	WM1
730033	490033, 492033, 494033	WM1
730034	490034, 492034, 494034	WM1
730035	490035, 492035, 494035	WM1
730036	490036, 493036, 494036	WM1
730037	490037, 492037, 494037	WM1
730038	490038, 492038, 494038	WM1
730039	490039, 492039, 494039	WM1
730040	490040, 492040, 494040	WM1
730041	490041, 492041, 494041	WM1
730042	490042, 492042, 404042	WM1
730043	490043, 492043, 494043	WM1
730044	490044, 492044, 494044	WM1
730045	490045, 492045, 494045	WM1

Electric Unit		
730046	490046, 492046, 494046	WM1
730047	490047, 492047, 494047	WM1
730048	490048, 492048, 494048	WM1

Notes
1: Name: Hurst Street

730/2

Five car units



22/2/2025 - Melton RIDC

Dan Cardwell

Bombardier Aventra

730/2 5 car units, for use on West Midlands Trains and London Northwestern Railway

Formation	DM-ML1-PMLQ-M2L-DMC
System	25kV
Introduced	2023
Builder	Bombardier
Max Speed	110 mph
Seats	406

Number			Form	Livery
730201	*730101*	S	490201, 491201, 492201, 493201, 494201	LNG
730202	*730102*	S	490202, 491202, 492202, 493202, 494202	LNG
730203	*730103*	A	490203, 491203, 492203, 493203, 494203	LNG

730204	*730104*	S	490204, 491204, 492204, 493204, 494204	LNG
730205	*730105*	A	490205, 491205, 492205, 493205, 494205	LNG
730206	*730106*	A	490206, 491206, 492206, 493206, 494206	LNG
730207	*730107*	A	490207, 491207, 492207, 493207, 494207	LNG
730208	*730108*	A	490208, 491208, 492208, 493208, 494208	LNG
730209	*730109*	A	490209, 491209, 492209, 493209, 494209	LNG
730210	*730110*	A	490210, 491210, 492210, 493210, 494210	LNG
730211	*730111*	A	490211, 491211, 492211, 493211, 494211	LNG
730212	*730112*	A	490212, 491212, 492212, 493212, 494212	LNG
730213	*730113*	A	490213, 491213, 492213, 493213, 494213	LNG
730214	*730114*	A	490214, 491214, 492214, 493214, 494214	LNG
730215	*730115*	A	490215, 491215, 492215, 493215, 494215	LNG
730216	*730116*	A	490216, 491216, 492216, 493216, 494216	LNG
730217	*730117*	A	490217, 491217, 492217, 493217, 494217	LNG
730218	*730118*	A	490218, 491218, 492218, 493218, 494218	LNG
730219	*730119*	A	490219, 491219, 492219, 493219, 494219	LNG
730220	*730120*	A	490220, 491220, 492220, 493220, 494220	LNG
730221	*730121*	A	490221, 491221, 492221, 493221, 494221	LNG
730222	*730122*	A	490222, 491222, 492222, 493222, 494222	LNG
730223	*730123*	A	490223, 491223, 492223, 493223, 494223	LNG
730224	*730124*	A	490224, 491224, 492224, 493224, 494224	LNG
730225	*730125*	A	490225, 491225, 492225, 493225, 494225	LNG
730226	*730126*	A	490226, 491226, 492226, 493226, 494226	LNG

Electric Unit				
730227	*730127*	S	490227, 491227, 492227, 493227, 494227	LNG
730228	*730128*	A	490228, 491228, 492228, 493228, 494228	LNG
730229	*730129*	A	490229, 491229, 492229, 493229, 494229	LNG
730230	*730130*	A	490230, 491230, 492230, 493230, 494230	LNG
730231	*730131*	A	490231, 491231, 492231, 493231, 494231	LNG
730232	*730132*	A	490232, 491232, 492232, 493232, 494232	LNG
730233	*730133*	A	490233, 491233, 492233, 493233, 494233	LNG
730234	*730134*	A	490234, 491234, 492234, 493234, 494234	LNG
730235	*730135*	A	490235, 491235, 492235, 493235, 494235	LNG
730236	*730136*	A	490236, 491236, 492236, 493236, 494236	LNG

745

FLIRT ELECTRIC



MRG

745/0 fitted with 1st class and cafe bar - used for London Liverpool St to Norwich services.

Electric Unit

745/1 mainly for use London Liverpool St to Stansted services.

System	25kV AC Overhead
Introduced	2019
Builder	Stadler
Max Speed	100mph
Wheel Arrangement	B-2-2+2-2-2+2-2-Bo+Bo-2-2+2-2-2+2-2-Bo
Power	4 x 325kW

Number		Form	Livery
745001	*001*	413001, 426001, 332001, 343001, 341001, 301001, 302001, 342001, 344001, 346001, 322001, 312001	GAR
745002	*002*	413002, 426002, 332002, 343002, 341002, 301002, 302002, 342002, 344002, 346002, 322002, 312002	GAR
745003	*003*	413003, 426003, 332003, 343003, 341003, 301003, 302003, 342003, 344003, 346003, 322003, 312003	GAR
745004	*004*	413004, 426004, 332004, 343004, 341004, 301004, 302004, 342004, 344004, 346004, 322004, 312004	GAR
745005	*005*	413005, 426005, 332005, 343005, 341005, 301005, 302005, 342005, 344005, 346005, 322005, 312005	GAR
745006	*006*	413006, 426006, 332006, 343006, 341006, 301006, 302006, 342006, 344006, 346006, 322006, 312006	GAR
745007	*007*	413007, 426007, 332007, 343007, 341007, 301007, 302007, 342007, 344007, 346007, 322007, 312007	GAR
745008	*008*	413008, 426008, 332008, 343008, 341008, 301008, 302008, 342008, 344008, 346008, 322008, 312008	GAR
745009	*009*	413009, 426009, 332009, 343009, 341009, 301009, 302009, 342009, 344009, 346009, 322009, 312009	GAR
745010	*010*	413010, 426010, 332010, 343010, 341010, 301010, 302010, 342010, 344010, 346010, 322010, 312010	GAR
745101	*101*	313101, 326101, 332101, 343101, 341101, 301101, 302101, 342101, 344101, 346101, 322101, 312101	GAR
745102	*102*	313102, 326102, 332102, 343102, 341102, 301102, 302102, 342102, 344102, 346102, 322102, 312102	GAR

745103	*103*	313103, 326103, 332103, 343103, 341103, 301103, 302103, 342103, 344103, 346103, 322103, 312103	GAR
745104	*104*	313104, 326104, 332104, 343104, 341104, 301104, 302104, 342104, 344104, 346104, 322104, 312104	GAR
745105	*105*	313105, 326105, 332105, 343105, 341105, 301105, 302105, 342105, 344105, 346105, 322105, 312105	GAR
745106	*106*	313106, 326106, 332106, 343106, 341106, 301106, 302106, 342106, 344106, 346106, 322106, 312106	GAR
745107	*107*	313107, 326107, 332107, 343107, 341107, 301107, 302107, 342107, 344107, 346107, 322107, 312107	GAR
745108	*108*	313108, 326108, 332108, 343108, 341108, 301108, 302108, 342108, 344108, 346108, 322108, 312108	GAR
745109	*109*	313109, 326109, 332109, 343109, 341109, 301109, 302109, 342109, 344109, 346109, 322109, 312109	GAR
745110	*110*	313110, 326110, 332110, 343110, 341110, 301110, 302110, 342110, 344110, 346110, 322110, 312110	GAR

755

FLIRT BI-MODE



Phil Hayward

Bi Modal

Built by Stadler for Greater Anglia

System	25kV AC Overhead
Introduced	2019
Builder	Stadler
Engine	Deutz V8 (4 for 4 car - 2 for 3 car)
Max Speed	100mph
Wheel Arrangement	Bo-2-2-2-Bo 3 car Bo-2-2-2-2-Bo 4 car
Transmission	Electric
Formation	755/3 3 cars, 755/4 4 cars
Seats	755/3 144 + 23 tip up, 755/4 202 + 27 tip up

Number		Form	Livery
755325	*325*	911325, 971325, 981325, 912325	GAR
755326	*326*	911326, 971326, 981326, 912326	GAR
755327	*327*	911327, 971327, 981327, 912327	GAR
755328	*328*	911328, 971328, 981328, 912328	GAR
755329	*329*	911329, 971329, 981329, 912329	GAR
755330	*330*	911330, 971330, 981330, 912330	GAR
755331	*331*	911331, 971331, 981331, 912331	GAR
755332	*332*	911332, 971332, 981332, 912332	GAR
755333	*333*	911333, 971333, 981333, 912333	GAR

755334	*334*	911334, 971334, 981334, 912334	GAR
755335	*335*	911335, 971335, 981335, 912335	GAR
755336	*336*	911336, 971336, 981336, 912336	GAR
755337	*337*	911337, 971337, 981337, 912337	GAR
755338	*338*	911338, 971338, 981338, 912338	GAR
755401	*401*	911401, 961401, 971401, 981401, 912401	GAR
755402	*402*	911402, 961402, 971402, 981402, 912402	GAR
755403	*403*	911403, 961403, 971403, 981403, 912403	GAR
755404	*404*	911404, 961404, 971404, 981404, 912404	GAR
755405	*405*	911405, 961405, 971405, 981405, 912405	GAR
755406	*406*	911406, 961406, 971406, 981406, 912406	GAR
755407	*407*	911407, 961407, 971407, 981407, 912407	GAR
755408	*408*	911408, 961408, 971408, 981408, 912408	GAR
755409	*409*	911409, 961409, 971409, 981409, 912409	GAR
755410	*410*	911410, 961410, 971410, 981410, 912410	GAR
755411	*411*	911411, 961411, 971411, 981411, 912411	GAR
755412	*412*	911412, 961412, 971412, 981412, 912412	GAR
755413	*413*	911413, 961413, 971413, 981413, 912413	GAR
755414 [(1)]	*414*	911414, 961414, 971414, 981414, 912414	GAR
755415	*415*	911415, 961415, 971415, 981415, 912415	GAR
755416	*416*	911416, 961416, 971416, 981416, 912416	GAR
755417	*417*	911417, 961417, 971417, 981417, 912417	GAR
755418	*418*	911418, 961418, 971418, 981418, 912418	GAR
755419	*419*	911419, 961419, 971419, 981419, 912419	GAR
755420	*420*	911420, 961420, 971420, 981420, 912420	GAR
755421	*421*	911421, 961421, 971421, 981421, 912421	GAR
755422	*422*	911422, 961422, 971422, 981422, 912422	GAR
755423	*423*	911423, 961423, 971423, 981423, 912423	GAR
755424	*424*	911424, 961424, 971424, 981424, 912424	GAR

Notes
1: Name: Lest we forget

756



Mark Chandler

Stadler tri-mode units (Diesel, Battery, Electric) for Transport for Wales.

Units 756001-756007 will be three car

Units 756101-756117 four car

System	25kV
Introduced	2023
Builder	Stadler
Formation	3 and 4 cars
Power	AC 2,600kW, Battery 1,300kW, Diesel 480kW
Max Speed	75mph
Seats	3 car 118 + 24 tip up and 148 standing, 4 car 158 + 32 tip up and 204 standing

Number	Name		Form
756001	Anturiaethwr Llanteg Explorer	A	911001, 971001, 981001, 912001
756002	Bae Teigr / Tiger Bay	A	911002, 971002, 981002, 912002
756003		A	911003, 971003, 981003, 912003
756004	Billy Wynt	A	911004, 971004, 981004, 912004
756005	Gerddi Sophia | Sophia Gardens	A	911005, 971005, 981005, 912005
756006		A	911006, 971006, 981006, 912006
756007	Trên Oakdale Express	A	911007, 971007, 981007, 912007
756101		A	911101, 961101, 971101, 981101, 912101
756102		A	911102, 961102, 971102, 981102, 912102

Electric Unit			
756103		A	911103, 961103, 971103, 981103, 912103
756104		A	911104, 961104, 971104, 981104, 912104
756105		A	911105, 961105, 971105, 981105, 912105
756106	Eglwys St. Dochdwy Church	A	911106, 961106, 971106, 981106, 912106
756107		A	911107, 961107, 971107, 981107, 912107
756108		A	911108, 961108, 971108, 981108, 912108
756109		A	911109, 961109, 971109, 981109, 912109
756110		A	911110, 961110, 971110, 981110, 912110
756111		A	911111, 961111, 971111, 981111, 912111
756112		A	911112, 961112, 971112, 981112, 912112
756113	Ifor Bach	A	911113, 961113, 971113, 981113, 912113
756114	Traphont Walnut Tree Viaduct	A	911114, 961114, 971114, 981114, 912114
756115		A	911115, 961115, 971115, 981115, 912115
756116	Castell y Ddraig / Dragon's Castle	A	911116, 961116, 971116, 981116, 912116
756117	Castell Coch	A	911117, 961117, 971117, 981117, 912117

768

Bi mode freight units



768001 at Rail Live 2022

Phil Deaves

Converted from Class 319's

Formation	4 cars per unit
System	750v DC and 25kV AC
Introduced	2020
Builder	Brush (768)
Max Speed	100mph

Number	Name		Form	Livery
768001		A	77309, 62900, 71781, 77308	ORB
768002	Coquelles**	S	77307, 62899, 71780, 77306	ORB

769

FLEX



769007 pulls into Cardiff Central 28.08.2021.

John J Cordrey

Bi mode units converted from class 319.

System	25kV AC - 750V DC 3rd rail (GWR units only)
Wheel Arrangement	2-2+Bo-Bo+2-2+2-2
Builder	BREL York / Brush
Power	2 x 390kW Diesel - 4 x 268kW Electric
Engine	2 MAN D2876
Max Speed	100mph Electric / 85mph Diesel
Width	2.82m
Height	3.58m

Number	Name			Form	Livery
769002		*319002*	S	77293, 62892, 71773, 77292	TFW
769003		*319003*	S	77295, 62893, 71774, 77294	TFW
769006		*319006*	S	77301, 62896, 71777, 77300	TFW
769007		*319007*	S	77303, 62897, 71778, 77302	TFW
769008	Cheriton**	*319008*	S	77305, 62898, 71779, 77304	TFW

769421		*319421*	S	77331, 62911, 71792, 77330	TFW
769424		*319024, 319424*		77337, 62914, 71795, 77336	NRP
769426		*319426, 769000*	S	77341, 62916, 71797, 77290	TFW
769431		*319431*	S	77351, 62921, 71802, 77350	NRP
769434		*319434*		77357, 62924, 71805, 77356	NRP
769442		*319442*		77373, 62932, 71813, 77372	NRP
769445		*319445*	S	77379, 62935, 71816, 77378	TFW
769448	Elstree Studios - The Home of British Film and Television Production**	*319448*		77433, 62962, 71867, 77432	NRP
769450		*319450*		77437, 62964, 71869, 77436	NRP
769452		*319452*		77441, 62966, 71871, 77440	TFW
769456		*319456*		77449, 62970, 71875, 77448	NRP
769458		*319458*		77453, 62972, 71877, 77452	NRP
769535	Adrian Jackson-Robbins 1987-2007 Chair of the Association of Passenger Transport Users**	*319435, 769935*	S	77359, 62925, 71806, 77358	GWU
769549	King's Cross Thameslink**	*319449, 766949*	S	77435, 62963, 71868, 77434	GWU
769922		*319422*	X	77333, 62912, 71793, 77332	GWU
769923		*319423*	S	77335, 62913, 71794, 77334	GWU
769925	Transforming Travel - First Capital Connect**	*319425*	S	77339, 62915, 71796, 77338	GWU
769927		*319427*	S	77343, 62917, 71798, 77342	GWU
769928		*319428*	S	77345, 62918, 71799, 77344	GWU
769930		*319430*	S	77349, 62920, 71801, 77348	GWU

769932		*319432*	S	77353, 62922, 71803, 77352	GWU
769936		*319436*	S	77361, 62926, 71807, 77360	GWU
769937		*319437*	S	77363, 62927, 71808, 77362	GWU
769938		*319438*	S	77365, 62928, 71809, 77364	GWU
769939		*319439*	S	77367, 62929, 71810, 77366	GWU
769940		*319440*	S	77369, 62930, 71811, 77368	GWU
769943		*319443*	S	77375, 62933, 71814, 77374	GWU
769944	City of St. Albans**	*319444*	S	77377, 62934, 71815, 77376	GWU
769946	St. Pancras International**	*319446*	S	77381, 62936, 71817, 77380	GWU
769947		*319447*	S	77431, 62961, 71866, 77430	GWU
769959		*319459*	S	77455, 62973, 71878, 77454	GWU

777

4 car units.



777009 at Sandhills forming 2K17 Liverpool Central to Kirby

Neil Thaler

Note: the number sequence is interrupted from 777040 to 777053 where some units are in the battery fitted class 777/1

System	750 V DC third rail
Wheel Arrangement	2-Bo-Bo-Bo-2
Power	6 x 350kW
Max Speed	75mph
Introduced	2023
Builder	Stadler

Number	Form	Depot
777001	427001, 428001, 429001, 430001	KK
777002	427002, 428002, 429002, 430002	KK
777003	427003, 428003, 429003, 430003	KK
777004	427004, 428004, 429004, 430004	KK
777005	427005, 428005, 429005, 430005	KK
777006	427006, 428006, 429006, 430006	KK
777007	427007, 428007, 429007, 430007	KK
777008	427008, 428008, 429008, 430008	KK
777009	427009, 428009, 429009, 430009	KK
777010	427010, 428010, 429010, 430010	KK
777011	427011, 428011, 429011, 430011	KK
777012	427012, 428012, 429012, 430012	KK
777013	427013, 428013, 429013, 430013	KK

777014	427014, 428014, 429014, 430014	KK
777015	427015, 428015, 429015, 430015	KK
777016	427016, 428016, 429016, 430016	KK
777017	427017, 428017, 429017, 430017	KK
777018	427018, 428018, 429018, 430018	KK
777019	427019, 428019, 429019, 430019	KK
777020	427020, 428020, 429020, 430020	KK
777021	427021, 428021, 429021, 430021	KK
777022	427022, 428022, 429022, 430022	KK
777023	427023, 428023, 429023, 430023	KK
777024	427024, 428024, 429024, 430024	KK
777025	427025, 428025, 429025, 430025	KK
777026	427026, 428026, 429026, 430026	KK
777027	427027, 428027, 429027, 430027	KK
777028	427028, 428028, 429028, 430028	KK
777029	427029, 428029, 429029, 430029	KK
777030	427030, 428030, 429030, 430030	KK
777031	427031, 428031, 429031, 430031	KK
777032	427032, 428032, 429032, 430032	KK
777033	427033, 428033, 429033, 430033	KK
777034	427034, 428034, 429034, 430034	KK
777035	427035, 428035, 429035, 430035	KK
777036	427036, 428036, 429036, 430036	KK
777037	427037, 428037, 429037, 430037	KK
777038	427038, 428038, 429038, 430038	KK
777039	427039, 428039, 429039, 430039	KK
777041 [1]	427041, 428041, 429041, 430041	KK
777043	427045, 428045, 429045, 430045	KK
777045	427046, 428046, 429046, 430046	KK
777047	427047, 428047, 429047, 430047	KK
777049	427049, 428049, 429049, 430049	KK
777051	427051, 428051, 429051, 430051	KK
777053	427053, 428053, 429053, 430053	KK

Notes

1: Name: Sir Samuel Cunard

777/1



777142 sits on depot at Kirkdale

Neil Thaler

Some members of the class are additionally fitted with battery packs for short distance operation beyond the third rail electrified lines.

Max Speed	62mph (Battery Mode)
Battery Capacity	320kWh
Battery Range	~34 miles

Number	Form	Depot
777140	427140, 428140, 429140, 430140	KK
777142	427142, 428142, 429142, 430142	KK
777144	427144, 428144, 429144, 430144	KK
777146	427146, 428146, 429146, 430146	KK
777148	427148, 428148, 429148, 430148	KK
777150	427150, 428150, 429150, 430150	KK
777152	427152, 428152, 429152, 430152	KK

799

Hydroflex



799001 at Rail Live 2022

Phil Deaves

Prototype Bi-Mode unit, converted from class 319 (units 319001 and 319382)

Retains previous 25kV and 750VDC equipment and with batteries charged by hydrogen power cells.

System	25kV AC / 750V DC 3rd rail / Battery
Introduced	2020
Wheel Arrangement	2-2+Bo-Bo+2-2+2-2
Max Speed	75mph

Number	Name		Form	Base	Livery
799001	Driver Mick Winnett**	X	77291, 62891, 71772, 77290		HFX
799201		S	77975, 63094, 71980, 77976	Quinton Rail Technology Centre, Long Marston	HFX

800

Bi-Mode units



Bi-Mode units for Great Western mainline and Virgin East Coast.

5 car and 9 car sets

Azuma Class

Introduced	2017
Builder	Hitachi
System	25kV
Engine	V12 under-floor diesel
Transmission	Electric
Max Speed	140 mph

Number	Name	Form	Livery
800001		811001, 812001, 813001, 814001, 815001	GWU
800002		811002, 812002, 813002, 814002, 815002	GWU
800003	Queen Victoria (811003) Queen Elizabeth II (815003)	811003, 812003, 813003, 814003, 815003	GWU
800004	Isambard Kingdon Brunel (811004) Sir Daniel Gooch (815004)**	811004, 812004, 813004, 814004, 815004	GWU
800005	Aneurin Bevan**	811005, 812005, 813005, 814005, 815005	GWU
800006	Tulbahadur Pun VC (815006)**	811006, 812006, 813006, 814006, 815006	GWU

800007		811007, 812007, 813007, 814007, 815007	GWU
800008	Alan Turing OBE FRS	811008, 812008, 813008, 814008, 815008	GWU
800009	Sir Gareth Edwards (811009) John Charles (815009)	811009, 812009, 813009, 814009, 815009	GWU
800010	Michael Bond (811010) Paddington Bear (815010)	811010, 812010, 813010, 814010, 815010	GWU
800011		811011, 812011, 813011, 814011, 815011	GWU
800012		811012, 812012, 813012, 814012, 815012	GWU
800013		811013, 812013, 813013, 814013, 815013	GWU
800014	Megan Lloyd George CH (811014) Edith New (815014)	811014, 812014, 813014, 814014, 815014	GWU
800015		811015, 812015, 813015, 814015, 815015	GWU
800016		811016, 812016, 813016, 814016, 815016	GWU
800017		811017, 812017, 813017, 814017, 815017	GWU
800018		811018, 812018, 813018, 814018, 815018	GWU
800019	Joy Lofthouse (811019) Johnny Johnson MBE DFM (815019)	811019, 812019, 813019, 814019, 815019	GWU
800020	Bob Woodward (811020) Elizabeth Ralph (815020)	811020, 812020, 813020, 814020, 815020	GWU
800021	Gill Clay	811021, 812021, 813021, 814021, 815021	GWU
800022	Tulbahadur Pun VC	811022, 812022, 813022, 814022, 815022	GWU
800023	Firefighter Fleur Lombard QGM (811023) Kathryn Osmond (815023)**	811023, 812023, 813023, 814023, 815023	GWU
800024	HRH The Princess Royal	811024, 812024, 813024, 814024, 815024	GWU
800025	Captain Sir Tom Moore (815025)	811025, 812025, 813025, 814025, 815025	GWU
800026	Don Cameron (811026)	811026, 812026, 813026, 814026, 815026	GWU
800027		811027, 812027, 813027, 814027, 815027	GWU
800028	Sir Peter Parker/Oliver Lovell	811028, 812028, 813028, 814028, 815028	GWU

800029	Evette Wakely/Christopher Dando	811029, 812029, 813029, 814029, 815029	GWU
800030	Lincoln Callaghan Henry Cleary (815030)	811030, 812030, 813030, 814030, 815030	GWU
800031	Charlotte Marsland (811031) Mazen Salmou (815031)	811031, 812031, 813031, 814031, 815031	GWU
800032	Iain Bugler/Sarah Williams-martin	811032, 812032, 813032, 814032, 815032	GWU
800033	Martin Heath/Emma Hurell	811033, 812033, 813033, 814033, 815033	GWU
800034	Tracy Devlin/Jo Prosser	811034, 812034, 813034, 814034, 815034	GWU
800035	Naomi Betts/Liz Gallagher	811035, 812035, 813035, 814035, 815035	GWU
800036	Dr Paul Stephenson OBE (815036)	811036, 812036, 813036, 814036, 815036	GWU
800101		811101, 812101, 813101, 814101, 815101, 816101, 817101, 818101, 819101	AZU
800102		811102, 812102, 813102, 814102, 815102, 816102, 817102, 818102, 819102	AZU
800103		811103, 812103, 813103, 814103, 815103, 816103, 817103, 818103, 819103	AZU
800104		811104, 812104, 813104, 814104, 815104, 816104, 817104, 818104, 819104	AZU
800105		811105, 812105, 813105, 814105, 815105, 816105, 817105, 818105, 819105	AZU
800106		811106, 812106, 813106, 814106, 815106, 816106, 817106, 818106, 819106	AZU
800107		811107, 812107, 813107, 814107, 815107, 816107, 817107, 818107, 819107	AZU
800108		811108, 812108, 813108, 814108, 815108, 816108, 817108, 818108, 819108	AZU
800109		811109, 812109, 813109, 814109, 815109, 816109, 817109, 818109, 819109	AZU
800110		811110, 812110, 813110, 814110, 815110, 816110, 817110, 818110, 819110	AZU

Electric Unit			
800111		811111, 812111, 813111, 814111, 815111, 816111, 817111, 818111, 819111	AZU
800112		811112, 812112, 813112, 814112, 815112, 816112, 817112, 818112, 819112	AZU
800113		811113, 812113, 813113, 814113, 815113, 816113, 817113, 818113, 819113	AZU
800201		811201, 812201, 813201, 814201, 815201	AZU
800202		811202, 812202, 813202, 814202, 815202	AZU
800203		811203, 812203, 813203, 814203, 815203	AZU
800204		811204, 812204, 813204, 814204, 815204	AZU
800205		811205, 812205, 813205, 814205, 815205	AZU
800206		811206, 812206, 813206, 814206, 815206	AZU
800207		811207, 812207, 813207, 814207, 815207	AZU
800208		811208, 812208, 813208, 814208, 815208	AZU
800209		811209, 812209, 813209, 814209, 815209	AZU
800210		811210, 812210, 813210, 814210, 815210	AZU
800301	Paddington Bear**	821001, 822001, 823001, 824001, 825001, 826001, 827001, 828001, 829001	GWU
800302		821002, 822002, 823002, 824002, 825002, 826002, 827002, 828002, 829002	GWU
800303		821003, 822003, 823003, 824003, 825003, 826003, 827003, 828003, 829003	GWU
800304		821004, 822004, 823004, 824004, 825004, 826004, 827004, 828004, 829004	GWU
800305		821005, 822005, 823005, 824005, 825005, 826005, 827005, 828005, 829005	GWU

Electric Unit			
800306 [1]	Harold Day DSC (821006) Allan Leonard Lewis VC (829006)	821006, 822006, 823006, 824006, 825006, 826006, 827006, 828006, 829006	GWU
800307		821007, 822007, 823007, 824007, 825007, 826007, 827007, 828007, 829007	GWU
800308		821008, 822008, 823008, 824008, 825008, 826008, 827008, 828008, 829008	GWU
800309		821009, 822009, 823009, 824009, 825009, 826009, 827009, 828009, 829009	GWU
800310	Wing Commander Ken Rees (821010)	821010, 822010, 823010, 824010, 825010, 826010, 827010, 828010, 829010	GWU
800311		821011, 822011, 823011, 824011, 825011, 826011, 827011, 828011, 829011	GWU
800312		821012, 822012, 823012, 824012, 825012, 826012, 827012, 828012, 829012	GWU
800313		821013, 822013, 823013, 824013, 825013, 826013, 827013, 828013, 829013	GWU
800314	Odette Hallowes ALSO KNOWN AS ODETTE SANSOM I ALSO KNOWN AS ODETTE CHURCHILL GC MBE LdH 75 VE 1945 - 2020	821014, 822014, 823014, 824014, 825014, 826014, 827014, 828014, 829014	GWU
800315		821015, 822015, 823015, 824015, 825015, 826015, 827015, 828015, 829015	GWU
800316	Roar of the Roses	821016, 822016, 823016, 824016, 825016, 826016, 827016, 828016, 829016	GWU
800317	Freya Bevan (829017)	821017, 822017, 823017, 824017, 825017, 826017, 827017, 828017, 829017	GWU
800318		821018, 822018, 823018, 824018, 825018, 826018, 827018, 828018, 829018	GWU
800319		821019, 822019, 823019, 824019, 825019, 826019, 827019, 828019, 829019	GWU
800320		821020, 822020, 823020, 824020, 825020, 826020, 827020, 828020, 829020	GWU

Electric Unit		
800321	821021, 822021, 823021, 824021, 825021, 826021, 827021, 828021, 829021	GWU

Notes
1: Armistice Centenary celebration train - carries the names of 29,479 employees of the Great Western Railway who volunteered to fight with HM forces during World War I.

801



Phil Hayward

Electric units for Virgin East Coast. In service from 2017.

Azuma Class

Gauge	1435mm
Builder	Hitachi
Formation	801/1 5 cars, 801/2 9 cars
System	25kV 50Hz AC Overhead
Introduced	2019
Max Speed	125mph
Seats	801/1 302, 801/2 611

Number	Name	Form	Livery
801101		821101, 822101, 823101, 824101, 825101	AZU

Electric Unit			
801102		821102, 822102, 823102, 824102, 825102	AZU
801103		821103, 822103, 823103, 824103, 825103	AZU
801104		821104, 822104, 823104, 824104, 825104	AZU
801105		821105, 822105, 823105, 824105, 825105	AZU
801106		821106, 822106, 823106, 824106, 825106	AZU
801107		821107, 822107, 823107, 824107, 825107	AZU
801108		821108, 822108, 823108, 824108, 825108	AZU
801109		821109, 822109, 823109, 824109, 825109	AZU
801110		821110, 822110, 823110, 824110, 825110	AZU
801111		821111, 822111, 823111, 824111, 825111	AZU
801112		821112, 822112, 823112, 824112, 825112	AZU
801201		821201, 822201, 823201, 824201, 825201, 826201, 827201, 828201, 829201	AZU
801202		821202, 822202, 823202, 824202, 825202, 826202, 827202, 828202, 829202	AZU
801203		821203, 822203, 823203, 824203, 825203, 826203, 827203, 828203, 829203	AZU
801204	Our Planet	821204, 822204, 823204, 824204, 825204, 826204, 827204, 828204, 829204	AZU
801205	She's Electric	821205, 822205, 823205, 824205, 825205, 826205, 827205, 828205, 829205	AZU
801206		821206, 822206, 823206, 824206, 825206, 826206, 827206, 828206, 829206	AZU
801207 [(1)]	Darlington	821207, 822207, 823207, 824207, 825207, 826207, 827207, 828207, 829207	AZU
801208		821208, 822208, 823208, 824208, 825208, 826208, 827208, 828208, 829208	AZU

801209	821209, 822209, 823209, 824209, 825209, 826209, 827209, 828209, 829209	AZU
801210	821210, 822210, 823210, 824210, 825210, 826210, 827210, 828210, 829210	AZU
801211	821211, 822211, 823211, 824211, 825211, 826211, 827211, 828211, 829211	AZU
801212	821212, 822212, 823212, 824212, 825212, 826212, 827212, 828212, 829212	AZU
801213	821213, 822213, 823213, 824213, 825213, 826213, 827213, 828213, 829213	AZU
801214	821214, 822214, 823214, 824214, 825214, 826214, 827214, 828214, 829214	AZU
801215	821215, 822215, 823215, 824215, 825215, 826215, 827215, 828215, 829215	AZU
801216	821216, 822216, 823216, 824216, 825216, 826216, 827216, 828216, 829216	AZU
801217	821217, 822217, 823217, 824217, 825217, 826217, 827217, 828217, 829217	AZU
801218	821218, 822218, 823218, 824218, 825218, 826218, 827218, 828218, 829218	AZU
801219	821219, 822219, 823219, 824219, 825219, 826219, 827219, 828219, 829219	AZU
801220	821220, 822220, 823220, 824220, 825220, 826220, 827220, 828220, 829220	AZU
801221	821221, 822221, 823221, 824221, 825221, 826221, 827221, 828221, 829221	AZU
801222	821222, 822222, 823222, 824222, 825222, 826222, 827222, 828222, 829222	AZU
801223	821223, 822223, 823223, 824223, 825223, 826223, 827223, 828223, 829223	AZU

Electric Unit			
801224 [2]	Bradford 2025 UK City of Culture	821224, 822224, 823224, 824224, 825224, 826224, 827224, 828224, 829224	AZU
801225	Eleanor	821225, 822225, 823225, 824225, 825225, 826225, 827225, 828225, 829225	AZU
801226	Together	821226, 822226, 823226, 824226, 825226, 826226, 827226, 828226, 829226	AZU
801227		821227, 822227, 823227, 824227, 825227, 826227, 827227, 828227, 829227	AZU
801228	Gresley 150, Century**	821228, 822228, 823228, 824228, 825228, 826228, 827228, 828228, 829228	AZU
801229		821229, 822229, 823229, 824229, 825229, 826229, 827229, 828229, 829229	AZU
801230		821230, 822230, 823230, 824230, 825230, 826230, 827230, 828230, 829230	AZU

Notes
1: Darlington branding
2: Bradford 2025 UK City of Culture Branding

802

Bi-mode units



Bi-Mode units for GWR, TPE & Hull Trains. Up-rated power units and larger fuel tanks to class 800. In service from 2017.

802207 was fitted with a battery pack in replace of one of the generator sets as a trial in 2024 at the end of the trial, the battery was removed and the normal generator set restored.

Builder	Hitachi
System	25 kV 50 Hz AC overhead
Length	26m per car
Width	2.7m
Introduced	2017 onwards
Power	700kW per engine
Weight	300-540t
Engine	MTU 12V 1600 R80L
Transmission	Diesel Electric

Number	Name	Form	Livery
802001		831001, 832001, 833001, 834001, 835001	GWU
802002	Steve Whiteway (831002)	831002, 832002, 833002, 834002, 835002	GWU
802003		831003, 832003, 833003, 834003, 835003	GWU
802004		831004, 832004, 833004, 834004, 835004	GWU

802005		831005, 832005, 833005, 834005, 835005	GWU
802006	Donovan & Jenifer Gardner (831006) Harry Billinge MBE LdH (835006)	831006, 832006, 833006, 834006, 835006	GWU
802007	Michael Morpurgo / Joey	831007, 832007, 833007, 834007, 836007	GWU
802008	Rick Rescorla (831008) RNLB Solomon Browne (835008)	831008, 832008, 833008, 834008, 836008	GWU
802009		831009, 832009, 833009, 834009, 835009	GWU
802010	Kieron Griffin (831010) Corporal George Sheard** (835010)	831010, 832010, 833010, 834010, 835010	GWU
802011	Capt. Robert Falcon Scott RN CVO (831011) Sir Joshua Reynolds PRA (835011)	831011, 832011, 833011, 834011, 835011	GWU
802012		831012, 832012, 833012, 834012, 835012	GWU
802013	Michael Eavis (831013)	831013, 832013, 833013, 834013, 835013	GWU
802014		831014, 832014, 833014, 834014, 835014	GWU
802015		831015, 832015, 833015, 834015, 835015	GWU
802016		831016, 832016, 833016, 834016, 835016	GWU
802017		831017, 832017, 833017, 834017, 835017	GWU
802018	Preston de Mendonça (831018) Jeremy Doyle (835018)	831018, 832018, 833018, 834018, 835018	GWU
802019		831019, 832019, 833019, 834019, 835019	GWU
802020 [(1)]		831020, 832020, 833020, 834020, 835020	ADV
802021		831021, 832021, 833021, 834021, 835021	GWU
802022	Cyril Bleasdale OBE FCILT	831022, 832022, 833022, 834022, 835022	GWU
802101	Nancy Astor CH (839101)**	831101, 832101, 833101, 834101, 835101, 836101, 837101, 838101, 839101	GWU
802102		831102, 832102, 833102, 834102, 835102, 836102, 837102, 838102, 839102	GWU

Electric Unit

802103	Flying Carolean / Y Carolean Hedegog	831103, 832103, 833103, 834103, 835103, 836103, 837103, 838103, 839103	GWU
802104		831104, 832104, 833104, 834104, 835104, 836104, 837104, 838104, 839104	GWU
802105		831105, 832105, 833105, 834105, 835105, 836105, 837105, 838105, 839105	GWU
802106 [2]		831106, 832106, 833106, 834106, 835106, 836106, 837106, 838106, 839106	GWU
802107		831107, 832107, 833107, 834107, 835107, 836107, 837107, 838107, 839107	GWU
802108		831108, 832108, 833108, 834108, 835108, 836108, 837108, 838108, 839108	GWU
802109	Shania Train	831109, 832109, 833109, 834109, 845109, 836109, 837109, 838109, 839109	GWU
802110	DAME AGATHA CHRISTIE	831110, 832110, 833110, 834110, 835110, 836110, 837110, 838110, 839110	GWU
802111		831111, 832111, 833111, 834111, 835111, 836111, 837111, 838111, 839111	GWU
802112		831112, 832112, 833112, 834112, 835112, 836112, 837112, 838112, 839112	GWU
802113		831113, 832113, 833113, 834113, 835113, 836113, 837113, 838113, 839113	GWU
802114		831114, 832114, 833114, 834114, 835114, 836114, 837114, 838114, 839114	GWU
802201		831201, 832201, 833201, 834201, 835201	TPE
802202		831202, 832202, 833202, 834202, 835202	TPE
802203		831203, 832303, 833203, 834203, 835203	TPE
802204		831204, 832204, 833204, 834204, 835204	TPE
802205		831205, 832205, 833205, 834205, 835205	TPE

Electric Unit			
802206		831206, 832206, 833206, 834206, 835206	TPE
802207 [3]		831207, 832207, 833207, 834207, 835207	TPE
802208	Diligence / Robert Stephenson & Co	831208, 832208, 833208, 834208, 835208	TPE
802209		831209, 832209, 833209, 834209, 835209	TPE
802210	Hailes Castle	831210, 832210, 833210, 834210, 835210	TPE
802211		831211, 832211, 833211, 834211, 835211	TPE
802212	St Abb's Head	831212, 832212, 833212, 834212, 835212	TPE
802213	Unity	831213, 832213, 833213, 834213, 835213	TPE
802214		831214, 832214, 833214, 833214, 835514	TPE
802215	Palace of Holyroodhouse	831215, 832215, 833215, 834215, 835215	TPE
802216		831216, 832216, 833216, 834216, 835216	TPE
802217		831217, 832217, 833217, 834217, 835217	TPE
802218		831218, 832218, 833218, 834218, 835218	TPE
802219		831219, 832219, 833219, 834219, 835219	TPE
802301	Amy Johnson	831301, 832301, 833301, 834301, 835301	FHT
802302	Jean Bishop (The Bee Lady)**, Speed of Sound	831302, 832302, 833302, 834302, 835302	FHT
802303	Land of Green Ginger	831303, 832303, 833303, 834303, 835303	FHT
802304	William Wilberforce	831304, 832304, 833304, 834304, 835304	FHT
802305	The Humber Bridge	831305, 832305, 833305, 834305, 835305	FHT

Notes
1: Key worker thank you
2: Paddington in Peru promotion livery. Lily's Kitchen, on vehicle 839106
3: Battery trial unit (2024)

803



Phil Pollard

Built by Hitachi

Operated by Lumo

Builder	Hitachi
Max Speed	125 mph (201 km/h)
Formation	5 cars per unit
System	25kV 50Hz AC Overhead
Introduced	2021
Seats	402

Number	Name	Form	Livery
803001		841001, 842001, 843001, 844001, 845001	LUMO
803002		841002, 842002, 843002, 844002, 845003	LUMO
803003		841003, 842003, 843003, 844003, 845003	LUMO
803004	Whisky Express	841004, 842004, 843004, 844004, 845004	LUMO
803005		841005, 842005, 843005, 844005, 845005	LUMO

805

Class 805 Evero Bi-Mode Multiple Unit



805004 5Q99 Crewe

Phil Hayward

Formation	5 cars per unit
System	25kV 50Hz AC Overhead
Introduced	2024
Builder	Hitachi
Max Speed	125mph
Seats	299

Number		Form	Depot
805001	A	861001, 862001, 863001, 864001, 865001	OY
805002	A	861002, 862002, 863002, 864002, 865002	OY
805003	A	861003, 862003, 863003, 864003, 865003	OY
805004	A	861004, 862004, 863004, 864004, 865004	OY
805005	A	861005, 862005, 863005, 864005, 865005	OY
805006	A	861006, 862006, 863006, 864006, 865006	OY
805007	A	861007, 862007, 863007, 864007, 865007	OY
805008	A	861008, 862008, 863008, 864008, 865008	OY
805009	A	861009, 862009, 863009, 864009, 865009	OY
805010	A	861010, 862010, 863010, 864010, 865010	OY
805011	A	861011, 862011, 863011, 864011, 865011	OY
805012	A	861012, 862012, 863012, 864012, 865012	OY
805013	A	861013, 862013, 863013, 864013, 865013	OY

807



807002 Harrow & Wealdstone 09.01.25

Phil Hayward

Evero Class

Built by Hitachi for Avanti West Coast

Formation	7 cars per unit
System	25kV 50Hz AC Overhead
Introduced	2024
Builder	Hitachi
Max Speed	125mph
Seats	453

Number		Form	Livery
807001	A	871001, 872001, 873001, 874001, 875001, 876001, 877001	
807002	A	871002, 872002, 873002, 874002, 875002, 876002, 877002	
807003	A	871003, 872003, 873003, 874003, 875003, 876003, 877003	
807004	A	871004, 872004, 873004, 874004, 875004, 876004, 877004	
807005	A	871005, 872005, 873005, 874005, 875005, 876005, 877005	
807006	A	871006, 872006, 873006, 874006, 875006, 876006, 877006	

Electric Unit			
807007	A	871007, 872007, 873007, 874007, 875007, 876007, 877007	
807008	A	871008, 872008, 873008, 874008, 875008, 876008, 877008	
807009	A	871009, 872009, 873009, 874009, 875009, 876009, 877009	
807010 [1]	A	871010, 872010, 873010, 874010, 875010, 876010, 877010	Diversity wrap

Notes
1: Name: Legacy

810

Bi-Mode Aurora



13/5/2025 - Melton RIDC

Dan Cardwell

Class 810 Bi-Mode units under construction for East Midlands Railway.

The British Rail Class 810 Aurora is a type of bi-mode multiple unit which will be built by Hitachi for East Midlands Railway. Based on the Hitachi AT300 design, 33 five-car units are to be built to replace Class 180s and Class 222s on EMR's intercity routes.

System	25kV 50Hz AC
Length	24m
Builder	Hitachi Rail
Power	735 kW
Engine	4x MTU turbo-diesel
Max Speed	140mph

Number		Form	Base	Livery
810001	S	851001, 852001, 853001, 854001, 855001	Hitachi, Newton Aycliffe	EMRA
810002	S	851002, 852002, 853002, 854002, 855002		EMRA
810003	S	851003, 852003, 853003, 854003, 855003	Hitachi, Newton Aycliffe	EMRA
810004	S	851004, 852004, 853004, 854004, 855004	Hitachi, Newton Aycliffe	EMRA
810005	S	851005, 852005, 853005, 854005, 855005	Hitachi, Newton Aycliffe	EMRA
810006	A	851006, 852006, 853006, 854006, 855006		EMRA
810007	S	851007, 852007, 853007, 854007, 855007	Hitachi, Newton Aycliffe	EMRA
810008	O	851008, 852008, 853008, 854008, 855008	Hitachi, Newton Aycliffe	EMRA
810009	O	851009, 852009, 853009, 854009, 855009	Hitachi, Newton Aycliffe	EMRA
810010	A	851010, 852010, 853010, 854010, 855010		EMRA
810011	A	851011, 852011, 853011, 854011, 855011		EMRA
810012	A	851012, 852012, 853012, 854012, 855012		EMRA
810013	A	851013, 852013, 853013, 854013, 855013		EMRA
810014	A	851014, 852014, 853014, 854014, 855014		EMRA
810015	W	851015, 852015, 853015, 854015, 855015		EMRA
810016	A	851016, 852016, 853016, 854016, 855016		EMRA
810017	T	851017, 852017, 853017, 854017, 855017	Quinton Rail Technology Centre, Long Marston	EMRA
810018	A	851018, 852018, 853018, 854018, 855018		EMRA
810019	A	851019, 852019, 853019, 854019, 855019		EMRA
810020	T	851020, 852020, 853020, 854020, 855020	Quinton Rail Technology Centre, Long Marston	EMRA
810021	A	851021, 852021, 853021, 854021, 855021		EMRA

Electric Unit

810022	A	851022, 852022, 853022, 854022, 855022		EMRA
810023	T	851023, 852023, 853023, 854023, 855023		EMRA
810024	S	851024, 852024, 853024, 854024, 855024	Hitachi, Newton Aycliffe	EMRA
810025	T	851025, 852025, 853025, 854025, 855025		EMRA
810026	T	851026, 852026, 853026, 854026, 855026	Hitachi, Newton Aycliffe	EMRA
810027	S	851027, 852027, 853027, 854027, 855027	Hitachi, Newton Aycliffe	EMRA
810028	S	851028, 852028, 853028, 854028, 855028	Hitachi, Newton Aycliffe	EMRA
810029		851029, 852029, 853029, 854029, 855029		EMRA
810030		851030, 852030, 853030, 854030, 855030		EMRA
810031		851031, 852031, 853031, 854031, 855031		EMRA
810032		851032, 852032, 853032, 854032, 855032		EMRA
810033		851033, 852033, 853033, 854033, 855033		EMRA

820

Class 820 Tri-Mode units

The British Rail Class 820 is a type of tri-mode multiple unit to be manufactured by Hitachi Rail for Grand Central. Based on the Hitachi A-train design, 9 five-car units will be built, powered by 25 kV 50 Hz electrification, as well as battery and diesel power.

System	25kV 50Hz AC Overhead, Battery & Diesel
Length	311.4m
Width	2.81m
Builder	Hitachi Rail
Max Speed	140 mph

Electric Unit

Number	
820001	C
820002	C
820003	C
820004	C

Number	
820005	C
820006	C
820007	C
820008	C
820009	C

895

Class 895 Zefiro

The Class 895 is a type of EMU on order for the under-construction HS2 high-speed rail line.

The trains will be based on an evolution of the Zefiro V300 platform and able to run at the top operational speed of 225 mph on the HS2 line.

In March 2026, the UK government opened discussions with the joint venture to revise the contract after the cancellation of HS2 beyond Birmingham raised questions about the number and length of trains required for the network.

System	25kV 50Hz AC Overhead
Builder	Joint venture between Hitachi Rail & Alstom
Max Speed	225mph
Seats	504

897

Class 897 Serenza

The British Rail Class 897 Serenza is a type of tri-mode electro-diesel multiple unit to be manufactured by CAF for LNER based on the Class 397 Civity EMU. Ten 10-car units will be built, powered by 25 kV 50 Hz overhead electric, battery and diesel power in order to replace the remaining Intercity 225 sets.

LNER plans to brand the fleet as Serenza, a portmanteau of the word "Serene" and the "Spanish-style suffix '-enza'".

System	25kV 50Hz AC Overhead
Builder	CAF
Seats	569

DVT

DBSO



Neil Thaler

Number			Note	Base	Livery
9701	*9528*				NRL
9702	*9510*				NRL
9703	*9517*				NRL
9704	*9512*				DRC
9705	*9519*	S			DRC
9706	*9514*	X	Scrapped following the Polmont rail crash 30/07/1984.		
9707	*9511*				045
9708	*9530*		Structure Gauging Train coach		NRL
9709	*9515*	S			DRC
9710	*9518*	S			DRC
9711	*9532, 9101*	P		Crewe Heritage Centre	ANG
9712	*9534*	P		Downpatrick & County Down Railway	
9713	*9535*	X			

9714	*9536, 9104*	Remote driving car	NRL

DVT3



Number	Name		Base	Livery
82101	101 Squadron**	X		
82102		X		
82103		X		
82104				
82105		X		
82106		X		
82107		X		
82110		X		
82111 [1]		S	Quinton Rail Technology Centre, Long Marston	NRL
82112		P	Mid Norfolk Railway	GAR
82114		P	Eastern Rail Services, Yarmouth	GAR
82115	Liverpool John Moores University**	S		BRB
82116		X		
82118	Britannia**	P	Crewe Heritage Centre	GAR

DVT					
82120	Liverpool Chamber of Commerce**		X		
82121	Carlisle Cathedral**		P	Colne Valley Railway	GAR
82122			X		
82123			X		
82124 (2)			S	Quinton Rail Technology Centre, Long Marston	NRL
82125			P	Mid Norfolk Railway	VTR
82126			X		
82127	Abraham Darby**				ICS
82129 (3)			S	Quinton Rail Technology Centre, Long Marston	NRL
82132			X		
82133			P	Mid Norfolk Railway	GAR
82136			S		GAR
82137			X		
82138			X		
82139	My Lovely Horse				ICS
82141			X		
82143					
82145 (4)			S	Quinton Rail Technology Centre, Long Marston	NRL
82146			X		AOS
82148	International Spring Fair**		X		
82150			X		
82152			X		
82301		*82117*	S		CRG
82302		*82151*			CRG
82303		*82135*			CRG
82304		*82130*			CRG
82305		*82134*			CRG
82306		*82144*	O	Eastern Rail Services, Yarmouth	ATX
82307		*82131*	X		
82308		*82108*	X		

DVT

82309	*82104*	CRG

Notes
1: used with Plain Line Pattern Recognition trains
2: RL for Plain Line Pattern Recognition trains
3: RL for Plain Line Pattern Recognition trains
4: RL for Plain Line Pattern Recognition trains

DVT4



Number	Name		Livery
82200 [1]		A	GTO
82201			GTO
82202		X	
82203		X	
82204			VEC
82205 [2]			LCS
82206			VEC
82207		X	
82208			LCS
82209		X	
82210		S	VEC
82211			LCS
82212			VEC
82213			LCS
82214			LCS

DVT			
82215		X	
82216 [3]			ADV
82217	OFF TO THE RACES**	X	
82218	International Indian Film Academy Awards**	S	VEC
82219	Duke of Edinburgh**	X	
82220		S	VEC
82222			LCS
82223			LCS
82224	Passionate people Passionate places**	X	
82225			LCS
82226			ALZ
82227			050
82228		X	
82229			RNL
82230			GTO
82231		X	

Notes
1: Remembrance Day vinyls
2: Flying Scotsman purple branding
3: Livery Ty Gobaith (Hope House) Children's Hospice