

# The *all-time* guide to the UK Traction Classification System

## Part 2: Locomotives

Class	Description and sub class detail
Class 01	Andrew Barclay 0-4-0 DM. 11503-11506* (D2953-D2956) (01001-01002). Built 1956 Andrew Barclay * Also Departmental No. 81. Industrial 0-4-0 and 0-6-0 diesel locomotives authorised for Network Rail operation
Class 02	Yorkshire Engine Co 0-4-0 DH. D2850-D2869 (02001-02004). Built 1960-61 Yorkshire Engine Co.
Class 03	BR 0-6-0 DM. D2000-D2199*/D2370-D2399 (03004-03399) Built 1957-62. BR Swindon & Doncaster. (* Nos. 11187-11211 allocated not carried)
Class 04	Drewry 0-6-0 DM. 11100-11229 (D2200-D2341). Built 1952-62 Drewry at Vulcan and RSH Darlington.
Class 05	Hunslet 0-6-0 DM. 11136-11143/11161-11176 (D2550-D2618). Built 1955-61 Hunslet. (Also shown on some lists as covering Andrew Barclay 0-6-0 DM D2400-D2409 fleet - allocation error).
Class 06	Andrew Barclay 0-4-0 DM. D2410-D2444 (06001-06010) Built 1958-60 Andrew Barclay.
Class 07	Ruston & Hornsby 0-6-0 DE. D2985-D2998 (07001-07014) Built 1962 Ruston & Hornsby.
Class 08	Standard BR design shunting locomotive. 13000-13116/127-136/167-366 (D3000-D3116/D3127-D3136/ D3167-D3438/D3454-D3472/D3503-D3511/D3652-3664/D3672-D3718/D3722-D4048/D4095-D4098/ D4115- D4192 (08001-08958/08991-995) Built 1952-62 BR Derby, Darlington, Crewe, Horwich. Max seed 17mph Class 08/0 - Basic locomotive Class 08/9 - Modified with cut down cab for BPGV line
Class 09	Higher speed version of Class 08. D3665-D3671/D3719-D3721/D4099-D4114 (09001-09026) Built 1959-1962 BR Darlington, & Horwich. Covers 1990s Class 08 rebuilds. Max speed 27mph Class 09/0 - original locomotives Class 09/1 - 09101-09107 modified with 110v aux Class 09/2 - 09201-09205 modified with 90v aux
Class 10	BR design 0-6-0 fitted with Lister-Blackstone and GEC equipment. D3137-D3151/D3439-D3453/D3473- D3502/D3512-D3651/D4049-D4094. Built 1955-1962 BR Darlington & Derby.
Class 11	LMS/BR 0-6-0. 12033-12138 Built: 1945-1952. LMS/BR Derby, Darlington.
Class 12	EE/BR 0-6-0. 15211-15236 Built: 1949-1952. BR Ashford.
Class 13	Master & Slave rebuilds of class 08 for Tinsley yard. 0-6-0+0-6-0 D4500-D4502 (13001-13003) Rebuilt 1965 BR Darlington.
Class 14	BR 0-6-0 hydraulic Type 1. D9500-D9555. Built 1964-65 BR Swindon
Class 15	British Thomson-Houston Type 1 Bo-Bo. D8200-D8243. Built 1957-61 Yorkshire Engine Co and BTH Clayton
Class 16	North British Type 1 Bo-Bo. D8400-D8409. Built 1958 NBL Glasgow
Class 17	Clayton Type 1 Bo-Bo. D8500-D8616. Built 1962-64. Clayton and Beyer Peacock Class 17/1 - Standard equipment - GEC Class 17/2 - Modified equipment - GEC Class 17/3 - Modified equipment - Crompton
Class 18	Documentation exists that this number was planned for a 'new' generation of Type 1 traction for Railfreight trip working in 1985, plan was only on paper and no model prototype was produced
Class 19	Not issued
Class 20	English Electric Type 1 Bo-Bo. D8000-D8199/D8300-D8327 (20001-227) Built 1957-68. EE Vulcan Foundry and RSH. Class 20/0 - Standard locomotives Class 20/3 - Modified for Peak Dale stone workings Class 20/3 - Locomotives owned by Direct Rail Services Class 20/9 - Private owned class 20s authorised for BR/Railtrack
Class 21	North British Type 2 Bo-Bo. D6100-D6157. Built 1958-60 NBL Glasgow. Some rebuilt to class 29 EWS/Vossloh B-B diesel-hydraulic for EWS/Euro Cargo Rail 21544 - 21547
Class 22	North British Type 2 B-B diesel-hydraulic. D6300-D6357. Built 1959-62 NBL Glasgow
Class 22	Identity used in GB for SNCF class 222xx electrics used jointly by RfD and Fret-SNCF for Dollands Moor- France duties prior to Class 92s being introduced
Class 23	English Electric Type 2 Bo-Bo 'Baby Deltic'. D5900-D5909 Built 1959. English Electric Vulcan Foundry
Class 24	BR standard design Type 2. Bo-Bo. D5000-D5150 (24001-24150). Built 1958-61 BR Derby & Darlington Class 24/0 - Standard locomotive (originally classified 24/1) Class 24/1 - Modified electric equipment (originally classified 24/2)
Class 25	BR Standard design Type 2, derivative of class 24. Bo-Bo. D5151-D5299/D7500-D7677.(25001-25912). Built BR Darlington, Derby and Beyer Peacock.

	Class 25/0 - Original design of electric control equipment
	Class 25/1 - Fitted with revised traction motor and control equipment
	Class 25/2 - Fitted with revised electric control equipment
	Class 25/3 - Fitted with revised electric control equipment
	Class 25/9 - Railfreight locos operated on chemical and industrial mineral duties
Class 26	Birmingham RCW Type 2 Bo-Bo. D5300-D5346 (26001-26046). Built 1958-59. Birmingham RCW
	Class 26/0 - Original locos (originally classified 26/1)
Class 27	Class 26/1 - Fitted with revised electric equipment (originally classified 26/2)
	Birmingham RCW Type 2 Bo-Bo, derivative of class 26. D5347-D5415 (27001-27066, 27101-27124, 27201-212) Built 1961-62 Birmingham RCW
	Class 27/0 - Basic locomotive
	Class 27/1 - Modified for push-pull working
	Class 27/2 - Fitted with ETH and modified for push pull working
Class 28	Metropolitan-Vickers Type 2 Co-Bo. D5700-D5719 Built 1958-59.
Class 29	North British Type 2 Bo-Bo, modified from class 21 in 1965-67 with new engines.
Class 30	Brush Type 2 A1A-A1A. D5500-D5519. Built 1957-58 by Brush. Original classification before modification to class 31/0
Class 31	Class 31 Brush Type 2 A1A-A1A. D5500-D5862. Built 1957-62.
	Class 31/0 - Basic loco, reclassified from class 30, fitted with electro-magnetic control
	Class 31/1 - Original classification given to D5500-D5519, amended to 31/0
	Class 31/1 - Standard locomotive
	Class 31/2 - Original classification given to standard production locos, amended to 31/1
	Class 31/4 - Modified with ETS
	Class 31/5 - Class 31/4 with ETS isolated for Civil Engineers use
	Class 31/6 - Class 31/1 fitted with through ETS wiring
	Class 31/9 - Departmental operated locomotives
Class 32	Not issued
Class 33	Birmingham RCW Type 3 Bo-Bo. D6500-D6597. (33001-33065/33101-33119/33201-33212/33301). Built 1960-62 BRCW.
	Class 33/0 - Basic locomotive (originally classified 33/1)
	Class 33/1 - Modified for 27 pin push pull working (originally classified 33/2)
	Class 33/2 - Slim line profile locomotives (originally classified 33/3)
	Class 33/3 - 'Link-Span' modified locomotive
	SR classification Class 33/0 - KA, Class 33/1 - KB, Class 33/2 - KA4C
Class 34	Projected classification for push-pull fitted class 33/1s
Class 35	Beyer Peacock Type 3 'Hymek' hydraulic. B-B, D7000-D7100 Built 1961-64
Class 36	Not issued
Class 37	English Electric Type 3, Co-Co. D6600-D6999 (37001-37906). Built 1960-65. EE Vulcan Foundry & RSH Darlington
	Class 37/0 - Basic locomotive
	Class 37/3 - Modified with CP7 bogies
	Class 37/4 - Modified with ETS
	Class 37/5 - Modified with gearing for freight operation
	Class 37/6 - Modified for EPS night train operations and DRS
	Class 37/7 - Modified with gearing/additional weight for heavy freight operation
	Class 37/9 - Prototype re-engined locomotives
Class 38	Projected classification for 1980s new generation freight locomotives - Project withdrawn in favour of Class 60
Class 39	Not issued
Class 40	EE Type 4 1Co-Co1. D200-D399 (40001-40199). Built 1958-62 EE Vulcan Foundry & RSH Darlington
Class 41	NBL Type 4 A1A-A1A diesel-hydraulic. 'Warship' D600-D604. Built 1958-59 NBL Glasgow
Class 41	BR Prototype HST power Cars. Bo-Bo 41001-002 (43001-002). Built BREL Crewe 1972
Class 41	Proposed class allocated to 2,500hp fleet of Class 60 type locos for Railfreight, submitted early 90s - cancelled
Class 42	BR Type 4 B-B diesel-hydraulic. 'Warship' D800-D832/D866-D870. Built 1958-61 BR Swindon
Class 43	NBL Type 4 B-B diesel-hydraulic. 'Warship' D833-D865. Built 1960-62 NBL Glasgow
Class 43	BR Prototype/Production HST power cars. Bo-Bo 43002-43198 Built 1976-82. BREL Crewe (amended to include 43000-01)
	Class 43/0 - Original prototype vehicles, amended from class 41
	Class 43/1 - Production vehicles
Class 44	BR Type 4 1Co-Co1. D1-D10 (44001-44010). Built 1959-60 BR Derby
Class 45	BR Type 4 1Co-Co1. D11-D137 (45001-45077/45101- 45150). Built 1960-62. BR Derby/Crewe
	Class 45/0 - Steam heat fitted
	Class 45/1 - Electric train heat fitted
Class 46	BR Type 4 1Co-Co1. D138-D193 (46001-46056). Built 1961-63 BR Derby
Class 47	BR/Brush Type 4 Co-Co. D1100-D1999 (47001-47976). Built Brush Traction and BR Crewe 1962-67

	Class 47/0 - Basic locomotive with steam heat
	Class 47/2 - Class 47/0 and 47/3 locomotives modified for multiple working in 1994-95, some reverted to original class mid-1995
	Class 47/3 - Basic locomotive with no heat
	Class 47/4 - Loco with electric or dual heat
	Class 47/6 - No. 47601 development locomotive Class 56
	Class 47/6 - Nos. 47671-677 high ETH
	Class 47/7 - Nos. 47701-717 RCH push-pull fitted
	Class 47/7 - Nos. 47721-799 Res modified
	Class 47/8 - Class 47/4 fitted with long range fuel tanks (officially still class 47/4)
	Class 47/9 - No. 47901 development locomotive Class 58
	Class 47/9 - Nos. 47971-976 Central Services locos
Class 48	Class 47s fitted with LVA engine D1702-06 (47114-118)
Class 48	Class number allocated to new breed of type 4 freight traction in 1984/85
Class 49	Not issued
Class 50	EE Type 4 Co-Co. D400-D449 (50001-50050). Built 1967-68 EE Vulcan Foundry
	50/0 - Basic locomotive
	50/1 - Prototype loco for RfD operation
Class 51	Paper allocated for the 'Super Deltic' project
Class 52	BR Type 4 C-C diesel-hydraulic. 'Western' D1000-D1073. Built BR Swindon & Crewe 1961-64
Class 53	Brush Prototype Type 4 Co-Co 'Falcon'. D0280 (D1200). Built Brush 1961, sold to BR 12/70
Class 54	Not issued
Class 55	English Electric Type 5 'Deltic' Co-Co. D9000-D9021 (55001-55022). Built 1961-62. EE Vulcan Foundry
Class 56	BR/Brush Type 5 Co-Co. 56001-56135. Built 1977-84 Brush - Electroputere, BR Doncaster & Crewe
	Class 56/0 - Standard locomotives
	Class 56/2 - Brush Traction power unit test bed
	Class 56/3 - FastLine Freight (Jarvis) locos
Class 57	Rebuilt Class 47s fitted with GM 645 power units
	Class 57/0 (57001 - 57012) basic locomotives, rebuilt for Freightliner
	Class 57/3 (57301 - 57316) Virgin Trains-operated locos fitted with retractable 'Dellner' couplers
	Class 57/6 (57601 - 57605) modified loco fitted with electric train supply
Class 58	BR Type 5 Co-Co. 58001-58050. Built 1983-87 BREL Doncaster
Class 59	General Motors Type 5 built for private sector. Built 1986-94 GM La Grange and London Canada
	Class 59/0 - Built for Foster Yeoman (59001-005)
	Class 59/1 - Built for ARC (59101-104)
	Class 59/2 - Built for National Power, sold to EWS (59201-206)
Class 60	Brush Type 5 Co-Co. 60001-60100. Built 1989-92 Brush Traction
Class 61	Allocated to General Motors /EWS Type 5s, reclassified Class 66
Class 62	Allocated to proposed General Motors Trainload Coal Co-Co Type 5 in 1990, plan scrapped in 1991
Class 63	Not issued
Class 64	Not issued
Class 65	Issued for proposed 4,000hp Co-Co freight loco for use on liner trains using Mirrlees V-16 engine - cancelled
Class 66	Allocated to General Motors production Type 5 fleet
	Class 66/0 - EWS locos 66001 - 66250
	Class 66/4 - DRS locos 66401 - 66410
	Class 66/5 - Freightliner standard locos 66501 - 66581
	Class 66/6 - Freightliner locos with increased tractive effort 66601 - 66622
	Class 66/7 - GBRf locos 66701 - 66722
Class 67	General Motors/EWS Type 5 Bo-Bo for EWS parcels and charter traffic
Class 68	Not issued
Class 69	Not issued
Class 70	SR/BR 'Raworth' electrics. Co-Co. CC1-CC3 (20001-20003) Built 1941-48 by SR/BR Ashford/Brighton
Class 71	BR 750V dc 'booster' electrics. Bo-Bo. E5000-E5024 (71001-71014). Built 1958-60 BR Doncaster. SR classification - HA
Class 72	Projected classification for the six prototype Eastleigh Electro-Diesels
Class 73	BR/English Electric 'Electro-Diesel'. Bo-Bo. E6001-E6049 (73001-73006/73101-73142/73201-73235) Built 1962/1966-67. BR Eastleigh/EE Vulcan Foundry. SR classification, Class 73/0 - JA, Class 73/1 - JB
	Class 73/0 - Original 'Prototype' fleet
	Class 73/1 - Production fleet
	Class 73/2 - 'Gatwick Express' locomotives
	Class 73/8 - Allocated and used in July 1989 for one loco - 73801 (73101) dedicated to Civil Engineering use
Class 74	BR 'Electro-Diesel'. Bo-Bo. E6101-E6110 (74001-74010) Rebuilt 1967-68 from class 71s at BR Crewe. SR classification - HB

Class 75	Kept spare for an more powerful English Electric electro-diesel
Class 76	BR Bo-Bo 1,500V DC. E26000-E26057 (76001-76057). Built 1941/1950-53 LNER Doncaster/BR Gorton
Class 77	BR Co-Co 1,500V DC. E27000-E27006. Built 1953-54 BR Gorton
Class 78	Not issued
Class 79	Not issued
Class 80	Metropolitan Vickers A1A-A1A Prototype 25kV electric rebuilt from gas-turbine. E1000 (E2001) Introduced 1958 as electric
Class 81	Birmingham RC&W 25kV Bo-Bo. E3001-E3023/E3096-97 (81001-81022). Built 1959-64 BRCW
Class 82	Beyer Peacock 25kV Bo-Bo. E3046-E3055 (82001-82008) Built 1960-62 Beyer Peacock
Class 83	English Electric 25kV Bo-Bo. E3024-E3035/E3098-E3100 (83001-83015). Built 1960-62 EE Vulcan Foundry
Class 84	North British 25kV Bo-Bo. E3036-E3045 (84001-84010) Built 1960-61 NBL Glasgow
Class 85	BR 25kV Bo-Bo. E3056-E3095 (85001-85040/101-114) Built 1961-64 BR Doncaster Class 85/0 - Basic locomotive Class 85/1 - Modified for freight operations
Class 86	BR/English Electric 25kV Bo-Bo. E3101-E3200 86001-86639. Built 1965-66 BR Doncaster and EE Vulcan Foundry Class 86/0 - Basic locomotive Class 86/1 - Modified as class 87 development locomotives Class 86/2 - Modified locomotives with Flexicoil suspension Class 86/3 - Modified in the early 1980s with SAM resilient wheels (19 locos) Class 86/4 - Modified for Res operations Class 86/5 - First use Modified for Freightliner and block train operation ET isolated Class 86/5 - Second use Modified gear fitted Class 86/6 for Freightliner Class 86/6 - Modified for Freightliner operations ETS removed Class 86/9 - Modified as loadbank for Network Rail
Class 87	BR 25kV Bo-Bo. 87001-87035/87101. Built 1973-74 BREL Crewe Class 87/0 - Standard locomotive Class 87/1 - Locomotive modified for RfD. Originally fitted with thyristor control equipment Class 87/2 - Originally allocated to the production second generation WCML electric locomotives, changed to Class 90 during construction
Class 88	Allocated to proposed Railfreight modular ac electric based on Class 58 style
Class 89	Brush Prototype 25kV electric. Co-Co. 89001 Built 1986 Brush/BREL Crewe
Class 89	Classification given to preserved diesel traction authorised to operate over BR tracks
Class 90	Allocated to modified Class 43 (IC125) P/C conversions for tilting train traction units as interim ECML measure - Project withdrawn BR 25kV Bo-Bo electric. 90001-90050 (90125-150) Built 1988-1990. BREL Crewe Class 90/0 - Standard locomotives Class 90/1 - Modified for Freightliner operation Class 90/2 - Modified EWS Class 90/0s fitted with higher brake force
Class 91	BR/GEC 25kV electric. 91001-91031. Built 1988-91 BREL Crewe Class 91/0 - As built locomotives Class 91/1 - Refurbished 'Delta 91' locomotives
Class 92	Brush 25kV ac/750V dc dual voltage electric. 92001- 92046. Built 1993-96 Brush Traction. Nine locos owned by SNCF
Class 93	Allocated to traction units for the IC225 (WCML replacement project)
Class 94	Not issued
Class 95	Not issued
Class 96	Not issued
Class 97	BR Departmental traction (locomotives) either electric or diesel
Class 98	Allocated to Vale of Rheidol 2-6-2T locomotives, numbers not carried
Class 98	Preserved steam traction authorised for movement on BR
Class 99	BR ship fleet

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**Right Above:** *French SNCH-owned Class 22xxxs Nos. 22279 and 22403 stand at Dollands Moor on 23 May 1994. In the period immediatly after the Channel Tunnel opened, a small number of French Class 22xxx locos were allocated to Railfreight Distribution for Anglo-French operations, being given yellow warning end and classified '22'. Colin J. Marsden*

**Right Bottom:** *Brand new Electro Motive-built Class 66 No. 66722, painted in a joing GBRf/Metronet-livery stands on the dockside at Newport on 8 April after arrival from Canada. Colin J. Marsden*

