

Bombardier

Class	Operator	Introduced	Number of Units	Cars per Unit	Power	Top Speed	Door configuration	Connection between cars	Car length	End gangways	Notes
Aventura											
345	TfL Elizabeth Line	2017/2018	70	9	AC electric *	145 kph (90 mph)	Sliding plug	A	23 m (75 ft 6 in)	No	Option for 12 more sets. Can be lengthened to 10-cars. 7-cars on GE till 2019
701/5	South Western Railway	2019/2020	30	5	DC electric	160 kph (100 mph)	Sliding plug	A	20 m (65 ft 7 in)	No	Replacing Classes 455, 456, 458 and 707
701/0	South Western Railway	2019/2020	60	10	DC electric	160 kph (100 mph)	Sliding plug	A	20 m (65 ft 7 in)	No	Replacing Classes 455, 456, 458 and 707
711	c2c	2020/2021	6	10	AC electric	160 kph (100 mph)	Sliding plug	A	23 m (75 ft 6 in)	No	
710/1	TfL London Overground	2018/2019	31	4	AC electric	120 kph (75 mph)	Sliding plug	A	20 m (65 ft 7 in)	No	For West Anglia Line, replacing Classes 315, 317/7 and 317/8
710/2	TfL London Overground	2018/2019	17	4	Dual voltage	120 kph (75 mph)	Sliding plug	A	20 m (65 ft 7 in)	No	For Gospel Oak Barking Line replacing Class 172/0 and Watford DC Line replacing Class 378/2
710/3	TfL London Overground	2019	6	5	Dual voltage	120 kph (75 mph)	Sliding plug	A	20 m (65 ft 7 in)	No	For North London Line allowing some Class 378/2s to transfer to East London Line Option for 15 more sets
720/5	Greater Anglia	2019	89	5	AC electric	160 kph (100 mph)	Sliding plug	A	24 m (78 ft 7 in)	No	Replacing Classes 317, 321 and 360
720/1	Greater Anglia	2019	22	10	AC electric	160 kph (100 mph)	Sliding plug	A	24 m (78 ft 7 in)	No	Replacing Classes 317, 321 and 360
730/0	West Midlands Trains	2020	36	3	AC electric	160 kph (100 mph)	Sliding plug	A	20 m (65 ft 7 in)	Yes	Redditch-Bromsgrove-Lichfield services (Birmingham suburban) replacing Class 323
730/1	London Northwestern Railway	2021	29	5	AC electric	180 kph (110 mph)	Sliding plug	A	20 m (65 ft 7 in)	Yes	Electrified LNWR inter-urban services
730/2	London Northwestern Railway	2021	16	5	AC electric	180 kph (110 mph)	Sliding plug	A	20 m (65 ft 7 in)	Yes	Long distance LNWR services
Electrostar											
357/0	c2c	1997/2002	46	4	AC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	No	
357/2	c2c	1997/2002	11	4	AC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	No	
357/3	c2c	1997/2002	17	4	AC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	No	357/0 & 357/2 units converted to Metro units with less seats and more standing space
375/3	Southeastern	2001/2004	10	3	DC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
375/6	Southeastern	2001/2004	30	4	Dual Voltage	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
375/7	Southeastern	2001/2004	15	4	DC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
375/8	Southeastern	2001/2004	30	4	DC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
375/9	Southeastern	2001/2004	27	4	DC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
376	Southeastern	2004/2005	36	5	DC electric	120 kph (75 mph)	Sliding	C	20 m (65 ft 7 in)	No	
377/1	GTR Southern	2002/2003	64	4	DC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
377/2	GTR Southern	2003/2004	15	4	Dual voltage	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
377/3	GTR Southern	2001/2002	29	3	DC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	Originally built as Class 375 then reclassified as 377 when fitted with Delner coupler
377/4	GTR Southern	2004/2005	74	4	DC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
377/5	Southeastern	2008/2009	23	4	Dual voltage	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	Transferred from Southern to Southeastern
377/6	GTR Southern	2012/2013	26	5	DC electric *	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
377/7	GTR Southern	2013/2014	8	5	Dual voltage	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
378/1	TfL London Overground	2009/2010	20	5	DC electric *	120 kph (75 mph)	Sliding	A	20 m (65 ft 7 in)	Emergency only	East London Line only
378/2	TfL London Overground	2008/2011	37	5	Dual voltage	120 kph (75 mph)	Sliding	A	20 m (65 ft 7 in)	Emergency only	3 units permanently on East London Line, remainder on North London Line and Watford DC Line. The Watford DC units (6) will transfer to the East London Line to be replaced by 710/2s. Some additional (perhaps up to 6) North London Line units will also transfer to the East London Line when the 6 5-car 710/3s arrive.
379	Greater Anglia	2010/2011	30	4	AC electric	160 kph (100 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	Due to be sent off-lease in 2019/20 replaced by Class 745/1
387/1	GTR Great Northern	2014/2015	29	4	AC electric *	180 kph (110 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
387/1	Great Western	2016/2017	45	4	AC electric *	180 kph (110 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	12 to be converted into new sub-class for Heathrow Express in 2019
387/2	GTR Gatwick Express	2015/2016	27	4	DC electric *	180 kph (110 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	
387/3	c2c	2016	6	4	AC electric *	180 kph (110 mph)	Sliding plug	C	20 m (65 ft 7 in)	Yes	Due to be sent off-lease when Class 711 arrives in 2020/21 then to GN or GW?
Voyager/ Meridian											
220	CrossCountry	2000/2001	34	4	Diesel-Hydraulic	201 kph (125 mph)	Single-leaf Swing plug	C	23 m (75 ft 6 in)	No	Voyager
221	Virgin West Coast	2001/2002	20	5	Diesel-Hydraulic	201 kph (125 mph)	Single-leaf Swing plug	C	23 m (75 ft 6 in)	No	Super Voyager with Tilt capability
221	CrossCountry	2001/2002	23	20 x 5 & 3 x 4	Diesel-Hydraulic	201 kph (125 mph)	Single-leaf Swing plug	C	23 m (75 ft 6 in)	No	Super Voyager with Tilt capability disabled as not needed on XC services
222/0	East Midlands	2004/2005	23	6 x 7 & 17 x 5	Diesel-Hydraulic	201 kph (125 mph)	Single-leaf Swing plug	C	23 m (75 ft 6 in)	No	Meridian
222/1	East Midlands	2005	4	4	Diesel-Hydraulic	201 kph (125 mph)	Single-leaf Swing plug	C	23 m (75 ft 6 in)	No	Meridian (originally built for Hull Trains)
Turbostar											
168/0	Chiltern	1997/1998	5	4	Diesel-Hydraulic	160 kph (100 mph)	Swing plug	C	24 m (78 ft 7 in)	No	
168/1	Chiltern	2000/2002	8	2 x 4 & 6 x 3	Diesel-Hydraulic	160 kph (100 mph)	Swing plug	C	23 m (75 ft 6 in)	No	Derived from Class 170
168/2	Chiltern	2003/2004	6	3 x 4 & 3 x 3	Diesel-Hydraulic	160 kph (100 mph)	Swing plug	C	23 m (75 ft 6 in)	No	Derived from Class 170
168/3	Chiltern	2000/2001	9	2	Diesel-Hydraulic	160 kph (100 mph)	Swing plug	C	23 m (75 ft 6 in)	No	Former Class 170s acquired by Chiltern from SWT & TPE in 2015/2016
170/1	CrossCountry	1998/1999	17	10 x 3 & 7 x 2	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	
170/2	Greater Anglia	1999 & 2002	12	8 x 3 & 3 x 2	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	Due to be sent off-lease in 2019/20 replaced by Class 755/3 & 755/4
170/3	ScotRail	2004	4	3	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	
170/3	CrossCountry	2002	2	3	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	
170/4	ScotRail	1999/2005	51	3	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	
170/5	West Midlands Trains	1999/2000	17	2	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	Due to be sent off-lease in 2020/21 replaced by Class 196/2
170/5	CrossCountry	1999/2000	6	2	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	
170/6	West Midlands Trains	2000	6	3	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	Due to be sent off-lease in 2020/21 replaced by Class 196/0
170/6	CrossCountry	2000	4	3	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	
171/2	GTR Southern	1999/2001	2	2	Diesel-Hydraulic	160 kph (100 mph)	Swing plug	C	23 m (75 ft 6 in)	No	
171/4	GTR Southern	1999/2001	2	4	Diesel-Hydraulic	160 kph (100 mph)	Swing plug	C	23 m (75 ft 6 in)	No	
171/7	GTR Southern	2003/2005	10	2	Diesel-Hydraulic	160 kph (100 mph)	Swing plug	C	23 m (75 ft 6 in)	No	
171/8	GTR Southern	2004	6	4	Diesel-Hydraulic	160 kph (100 mph)	Swing plug	C	23 m (75 ft 6 in)	No	
172/0	TfL London Overground	2009/2010	8	2	Diesel-Hydraulic	120 kph (75 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	Transferring to West Midlands Trains December 2018 when replaced by 710/2s
172/1	Chiltern	2009/2010	4	2	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	No	
172/2	West Midlands Trains	2010/2011	12	2	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	Yes	
172/3	West Midlands Trains	2010/2011	15	3	Diesel-Hydraulic	160 kph (100 mph)	Sliding plug	C	23 m (75 ft 6 in)	Yes	

* dual voltage AC/DC conversion capable

A - Articulated walk through

C - Conventional corridor connection

DC electric - 750v DC Third Rail

AC electric - 25kV AC Overhead wires

Dual voltage - AC/DC - 25kV AC Overhead wires & 750v DC Third Rail