

8. Technical specifications

BMW 3 Series Saloon

BMW 318i, 320i

		318i Saloon	320i Saloon
Body			
No. of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4,531/1,817/1,421	4,531/1,817/1,421
Wheelbase	mm	2,760	2,760
Track, front/rear	mm	1,506/1,535	1,506/1,535
Turning circle	m	11.0	11.0
Tank capacity	approx	63	63
Cooling system incl heater	l	8.4 (9.2)	8.4 (9.2)
Engine oil ¹⁾	l	4.25	4.25
Transmission fluid/final drive fluid	l	lifetime	lifetime
Weight, unladen to EU ²⁾	kg	1,435 (1,465)	1,445 (1,475)
Max load to DIN	kg	520	520
Max permissible load	kg	1,880 (1,910)	1,890 (1,920)
Max axle load, front/rear	kg	895/1,060	895/1,060
Max trailer load ³⁾ braked (12 %)/unbraked	kg	1,250/695 (1,400/695)	1,400/695 (1,500/695)
Max roofload	kg	75	75
Luggage comp. volume ISO3832	l	460	460
Air drag	C _d x A	0.26 x 2.17	0.26 x 2.17
Engine			
Config/no of cyls/valves		in-line/4/4	in-line/4/4
Engine management		MSD 81.2	MSD 81.2
Capacity, effective	cc	1,995	1,995
Bore/stroke	mm	90/84	90/84
Compression ratio	:1	12.0	12.0
Fuel grade		min. RON 91 ⁴⁾	min. RON 91 ⁴⁾
Output	kW/bhp	105/143	125/170
at engine speed	rpm	6,000	6,700
Torque	Nm	190	210
at engine speed	rpm	4,250	4,250
Electrical system			
Battery/installation	Ah/–	90 (70)/luggage comp.	90 (70)/luggage comp.
Alternator	A/W	180/2,520	180/2,520
Chassis			
Suspension, front	Double joint spring strut front suspension with caster offset; small positive steering roll radius; transverse force compensation; anti-dive		
Suspension, rear	Five-link rear axle in lightweight steel construction		
Brakes, front	Single piston floating caliper disc brakes/vented		
Diameter	mm	300 x 24	300 x 24
Brakes, rear	Single piston floating caliper disc brakes/vented		
Diameter	mm	300 x 20	300 x 20
Driving stability systems	ABS, traction assistance (ASC+T), wheel-selective electronic brake force distribution (EBV, CBC), driving stability system (DSC), electronic differential lock (ADB), emergency brake detection (DBC)		

BMW 318i, 320i Saloon

		318i Saloon	320i Saloon
Steering		Rack and pinion power steering; 2.92 rotations from lock to lock	
Steering transmission, overall	:1	16.0	16.0
Type of gearbox		6-speed manual transmission (6-speed automatic transmission)	
Gear ratios I	:1	4.323 (4.171)	4.323 (4.171)
II	:1	2.456 (2.340)	2.456 (2.340)
III	:1	1.659 (1.521)	1.659 (1.521)
IV	:1	1.230 (1.143)	1.230 (1.143)
V	:1	1.000 (0.867)	1.000 (0.867)
VI	:1	0.848 (0.691)	0.848 (0.691)
R	:1	3.938 (3.403)	3.938 (3.403)
Final drive		3.385 (3.909)	3.455 (3.909)
Tyres, front		205/55 R16 91H RSC	205/55 R16 91V RSC
Tyres, rear		205/55 R16 91H RSC	205/55 R16 91V RSC
Rims, front		7J x 16 steel	7J x 16 steel
Rims, rear		7J x 16 steel	7J x 16 steel
Performance			
Power-to-weight ratio to DIN	kg/kW	13.0 (13.2)	11.0 (11.2)
Output per litre	kW/l	52.6	62.7
Acceleration 0–62mph	s	9.1 (9.9)	8.2 (8.9)
1,000 m, standing start	s	30.1 (30.7)	28.9 (29.4)
50–75mph in 4 th gear	s	9.4/12.4 (–)	8.3/11.0 (–)
Top speed	mph	210	228 (226)
Fuel consumption in EU cycle			
Urban	mpg	35.8 (33.2)	33.6 (31.7)
Extra-urban	mpg	58.9 (54.3)	58.9 (55.4)
Composite	mpg	47.9 (44.1)	46.3 (43.5)
CO ₂	g/km	142 (152)	146 (156)
Miscellaneous			
Emission rating		EU 4	EU 4

¹⁾ Oil change quantity

²⁾ Weight of road-ready vehicle (DIN) plus 75 kg for driver and luggage

³⁾ Increases are possible under certain conditions

⁴⁾ Details of output and fuel consumption apply to use with RON 98 fuel

Figures in brackets apply to automatic transmission

BMW 325i, 330i, 335i Saloon

		325i Saloon	330i Saloon	335i Saloon
Body				
No. of doors/seats		4/5	4/5	4/5
Length/width/height (unladen)	mm	4,531/1,817/1,421	4,531/1,817/1,421	4,531/1,817/1,421
Wheelbase	mm	2,760	2,760	2,760
Track, front/rear	mm	1,506/1,535	1,500/1,529	1,500/1,529
Turning circle	m	11.0	11.0	11.0
Tank capacity	approx l	63	63	63
Cooling system incl heater	l	8.2 (8.5)	8.2 (8.5)	8.2 (8.5)
Engine oil ¹⁾	l	6.5	6.5	6.5
Transmission fluid/final drive fluid	l	lifetime	lifetime	lifetime
Weight, unladen to EU ²⁾	kg	1,505 (1,535)	1,555 (1,570)	1,610 (1,625)
Max load to DIN	kg	520	520	520
Max permissible load	kg	1,950 (1,980)	2,000 (2,015)	2,055 (2,070)
Max axle load, front/rear	kg	935/1,080	950/1,100	995/1,110
Max trailer load ³⁾ braked (12 %)/unbraked	kg	1,600/745	1,700/750	1,700/750
Max roofload	kg	75	75	75
Luggage comp. volume ISO3832	l	460	460	450
Air drag	C _d x A	0.27 x 2.17	0.27 x 2.17	0.30 x 2.17
Engine				
Config/no of cyls/valves		in-line/6/4	in-line/6/4	in-line/6/4
Engine management		MSD 81	MSD 81	MSD 81
Capacity, effective	cc	2,996	2,996	2,979
Bore/stroke	mm	88.0/85.0	88.0/85.0	89.6/84.0
Compression ratio	:1	12.0	12.0	10.2
Fuel grade		min. RON 91 ⁴⁾	min. RON 91 ⁴⁾	min. RON 95 ⁴⁾
Output	kW/bhp	160/218	200/272	225/306
at engine speed	rpm	6,100	6,700	5,800
Torque	Nm	270	320	400
at engine speed	rpm	2,400–4,200	2,750–3,000	1,300–5,000
Electrical system				
Battery/installation	Ah/–	80/luggage comp.	80/luggage comp.	80/luggage comp.
Alternator	A/W	155/2,170 (180/2,520)	155/2,170	180/2,520
Chassis				
Suspension, front		Double joint spring strut front suspension with caster offset; small positive steering roll radius; transverse force compensation; anti-dive		
Suspension, rear		Five-link rear axle in lightweight steel construction		
Brakes, front		Single piston floating caliper disc brakes/vented		
Diameter	mm	310 x 24	348 x 30	348 x 30
Brakes, rear		Single piston floating caliper disc brakes/vented		
Diameter	mm	300 x 20	336 x 22	336 x 22
Driving stability systems		ABS, traction assistance (ASC+T), wheel-selective electronic brake force distribution (EBV, CBC), driving stability system (DSC), electronic differential lock (ADB), emergency brake detection (DBC)		

BMW 325i, 330i, 335i Saloon

		325i Saloon	330i Saloon	335i Saloon
Steering		Rack and pinion power steering; 2.92/2.96 (335i) rotations from lock to lock		
Steering transmission, overall	:1	16.0	16.0	16.0
Type of gearbox		6-speed manual transmission (6-speed automatic transmission)		
Gear ratios I	:1	4.323 (4.171)	4.350 (4.171)	4.055 (4.171)
II	:1	2.456 (2.340)	2.496 (2.340)	2.396 (2.340)
III	:1	1.659 (1.521)	1.665 (1.521)	1.582 (1.521)
IV	:1	1.230 (1.143)	1.230 (1.143)	1.192 (1.143)
V	:1	1.000 (0.867)	1.000 (0.867)	1.000 (0.867)
VI	:1	0.848 (0.691)	0.851 (0.691)	0.872 (0.691)
R	:1	3.938 (3.403)	3.926 (3.403)	3.677 (3.403)
Final drive		3.071 (3.462)	3.154 (3.636)	3.077 (3.462)
Tyres, front	:1	205/55 R16 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC
Tyres, rear	:1	205/55 R16 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC
Rims, front		7J x 16 LM	8J x 17 LM	8J x 17 LM
Rims, rear		7J x 16 LM	8J x 17 LM	8J x 17 LM
Performance				
Power-to-weight ratio to DIN	kg/kW	8.9 (9.1)	7.4 (7.5)	6.8 (6.9)
Output per litre	kW/l	53.4	66.8	75.5
Acceleration 0–62mph	s	6.7 (7.1)	6.1 (6.3)	5.6 (5.8)
1,000 m, standing start	s	26.7 (27.2)	25.5 (25.7)	24.6 (24.7)
50–75mph in 4 th gear	s	7.3/9.1 (–)	6.2/7.7 (–)	5.3/6.3 (–)
Top speed	mph	250 (248)	250	250
Fuel consumption in EU cycle				
Urban	mpg	28.8 (29.1)	28.5 (28.5)	21.4 (21.6)
Extra-urban	mpg	51.4 (50.4)	50.4 (50.4)	42.2 (40.9)
Composite	mpg	39.8 (39.8)	39.2 (39.2)	31.0 (30.7)
CO ₂	g/km	170	173	218 (221)
Miscellaneous				
Emission rating		EU 4	EU 4	EU 4

¹⁾ Oil change quantity

²⁾ Weight of road-ready vehicle (DIN) plus 75 kg for driver and luggage

³⁾ Increases are possible under certain conditions

⁴⁾ Details of output and fuel consumption apply to use with RON 98 fuel

Figures in brackets apply to automatic transmission

BMW 318d, 320d Saloon

		318d Saloon	320d Saloon
Body			
No. of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4,531/1,817/1,421	4,531/1,817/1,421
Wheelbase	mm	2,760	2,760
Track, front/rear	mm	1,506/1,535	1,506/1,535
Turning circle	m	11.0	11.0
Tank capacity	approx l	61	61
Cooling system incl heater	l	7.5 (7.9)	7.5 (7.9)
Engine oil ¹⁾	l	5.2	5.2
Transmission fluid/final drive fluid	l	lifetime	lifetime
Weight, unladen to EU ²⁾	kg	1,505 (1,520)	1,505 (1,520)
Max load to DIN	kg	520	520
Max permissible load	kg	1,950 (1,965)	1,950 (1,965)
Max axle load, front/rear	kg	925/1,080	925/1,080
Max trailer load ³⁾ braked (12 %)/unbraked	kg	1,600/745	1,600/745
Max roofload	kg	75	75
Luggage comp volume ISO3832	l	460	460
Air drag	C _d x A	0.27 x 2.17	0.27 x 2.17
Engine			
Config/no of cyls/valves		in-line/4/4	In-line /4/4
Engine management		DDE7.1	DDE7.1
Capacity, effective	cc	1,995	1,995
Bore/stroke	mm	90/84	90/84
Compression ratio	:1	16.0	16.0
Fuel grade		Diesel	Diesel
Output	kW/bhp	105/143	130/177
at engine speed	rpm	4,000	4,000
Torque	Nm	300	350
at engine speed	rpm	1,750–2,500	1,750–2,500
Electrical system			
Battery/installation	Ah/–	90 (80)/luggage comp.	90 (80)/luggage comp.
Alternator	A/W	180/2,520	180/2,520
Chassis			
Suspension, front		Double joint spring strut front suspension with caster offset; small positive steering roll radius; transverse force compensation; anti-dive	
Suspension, rear		Five-link rear axle in lightweight steel construction	
Brakes, front		Single piston floating caliper disc brakes/vented	
Diameter	mm	300 x 24	312 x 24
Brakes, rear		Single piston floating caliper disc brakes/vented	
Diameter	mm	300 x 20	300 x 20
Driving stability systems		ABS, traction assistance (ASC+T), wheel-selective electronic brake force distribution (EBV, CBC), driving stability system (DSC), electronic differential lock (ADB), emergency brake detection (DBC)	

BMW 318d, 320d Saloon

		318d Saloon	320d Saloon
Steering		Rack and pinion power steering; 2.92 rotations from lock to lock	
Steering transmission, overall	:1	16.0	16.0
Type of gearbox		6-speed manual transmission (6-speed automatic transmission)	
Gear ratios I	:1	4.002 (4.171)	5.140 (4.171)
II	:1	2.108 (2.340)	2.830 (2.340)
III	:1	1.380 (1.521)	1.804 (1.521)
IV	:1	1.000 (1.143)	1.257 (1.143)
V	:1	0.780 (0.867)	1.000 (0.867)
VI	:1	0.645 (0.691)	0.831 (0.691)
R	:1	3.187 (3.403)	4.638 (3.403)
Final drive		3.071 (3.231)	2.563 (3.154)
Tyres, front	:1	205/55 R16 91H RSC	205/55 R16 91V RSC
Tyres, rear	:1	205/55 R16 91H RSC	205/55 R16 91V RSC
Rims, front		7J x 16 steel	7J x 16 steel
Rims, rear		7J x 16 steel	7J x 16 steel
Performance			
Power-to-weight ratio to DIN	kg/kW	13.6 (13.8)	11.0 (11.1)
Output per litre	kW/l	52.6	65.2
Acceleration 0–62mph	s	9.3 (9.4)	7.9 (8.0)
1,000 m, standing start	s	30.4 (30.6)	28.5 (28.6)
50–75mph in 4 th gear	s	8.4/11.3 (–)	6.6/8.4 (–)
Top speed	mph	210	230 (228)
Fuel consumption in EU cycle			
Urban	mpg	49.6 (39.8)	47.1 (39.8)
Extra-urban	mpg	68.9 (64.2)	68.9 (64.2)
Composite	mpg	60.1 (52.3)	58.9 (52.3)
CO ₂	g/km	123 (144)	128 (144)
Miscellaneous			
Emission rating		EU 5	EU 5

¹⁾ Oil change quantity

²⁾ Weight of road-ready vehicle (DIN) plus 75 kg for driver and luggage

³⁾ Increases are possible under certain conditions

Figures in brackets apply to automatic transmission

BMW 325d, 330d, 335d Saloon

		325d Saloon	330d Saloon	335d Saloon *
Body				
No. of doors/seats		4/5	4/5	4/5
Length/width/height (unladen)	mm	4,531/1,817/1,421	4,531/1,817/1,421	4,531/1,817/1,421
Wheelbase	mm	2,760	2,760	2,760
Track, front/rear	mm	1,500/1,529	1,500/1,529	1,500/1,529
Turning circle	m	11.0	11.0	11.0
Tank capacity	approx l	61	61	61
Cooling system incl heater	l	7.9. (8.2)	7.9	8.2
Engine oil ¹⁾	l	7.5	7.2	7.5
Transmission fluid/final drive fluid	l	lifetime	lifetime	lifetime
Weight, unladen to EU ²⁾	kg	1,600 (1,610)	1,610 (1,625)	1,655
Max load to DIN	kg	520	520	520
Max permissible load	kg	2,045 (2,055)	2,055 (2,070)	2,100
Max axle load, front/rear	kg	985/1,105	995/1,110	1,015/1,120
Max trailer load ³⁾ braked (12 %)/unbraked	kg	1,800/750	1,800/750	1,800/750
Max roofload	kg	75	75	75
Luggage comp. volume ISO3832	l	460	460	450
Air drag	C _d x A	0.28 x 2.17	0.28 x 2.17	0.30 x 2.17
Engine				
Config/no of cyls/valves		In-line/6/4	In-line/6/4	in-line /6/4
Engine management		DDE6.0.6	DDE7.3	DDE6.2.6
Capacity, effective	cc	2,993	2,993	2,993
Bore/stroke	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	17.0	16.5	17.0
Fuel grade		Diesel	Diesel	Diesel
Output	kW/bhp	145/197	180/245	210/286
at engine speed	rpm	4,000	4,000	4,400
Torque	Nm	400	520	580
at engine speed	rpm	1,300–3,250	1,750–3,000	1,750–2,250
Electrical system				
Battery/installation	Ah/–	90/luggage comp.	90/luggage comp.	90/luggage comp.
Alternator	A/W	150/2,100	180/2,520	180/2,520
Chassis				
Suspension, front		Double joint spring strut front suspension with caster offset; small positive steering roll radius; transverse force compensation; anti-dive		
Suspension, rear		Five-link rear axle in lightweight steel construction		
Brakes, front		Single piston floating caliper disc brakes/vented		
Diameter	mm	330 x 24	348 x 30	348 x 30
Brakes, rear		Single piston floating caliper disc brakes/vented		
Diameter	mm	336 x 22	336 x 22	336 x 22
Driving stability systems		ABS, traction assistance (ASC+T), wheel-selective electronic brake force distribution (EBV, CBC), driving stability system (DSC), electronic differential lock (ADB), emergency brake detection (DBC)		

BMW 325d, 330d, 335d Saloon

		325d Saloon	330d Saloon	335d Saloon *
Steering		Rack and pinion power steering; 2.92/2.96 (335d) rotations from lock to lock		
Steering transmission, overall	:1	16.0	16.0	16.0
Type of gearbox		6-speed manual transmission (6-speed automatic transmission)		
Gear ratios I	:1	5.080 (4.171)	5.080 (4.171)	4.171
II	:1	2.804 (2.340)	2.804 (2.340)	2.340
III	:1	1.783 (1.521)	1.783 (1.521)	1.521
IV	:1	1.260 (1.143)	1.260 (1.143)	1.143
V	:1	1.000 (0.867)	1.000 (0.867)	0.867
VI	:1	0.835 (0.691)	0.835 (0.691)	0.691
R	:1	4.607 (3.403)	4.607 (3.403)	3.403
Final drive		2.353 (2.786)	2.353 (2.813)	2.813
Tyres, front	:1	225/45 R17 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC
Tyres, rear	:1	225/45 R17 91W RSC	225/45 R17 91W RSC	225/45 R17 91W RSC
Rims, front		8J x 17 light alloy	8J x 17 light alloy	8J x 17 light alloy
Rims, rear		8J x 17 light alloy	8J x 17 light alloy	8J x 17 light alloy
Performance				
Power-to-weight ratio to DIN	kg/kW	10.5 (10.6)	8.5 (8.6)	7.5
Output per litre	kW/l	48.4	60.1	70.2
Acceleration 0–62mph	s	7.4 (7.6)	6.1 (6.2)	6.0
1,000 m, standing start	s	27.9 (27.8)	25.8 (26.0)	25.2
50–75mph in 4 th gear	s	6.4/8.2 (–)	4.8/6.1 (–)	(–)
Top speed	mph	235 (233)	250	250
Fuel consumption in EU cycle				
Urban	mpg	37.2 (34.9)	38.7 (35.3)	31.0
Extra-urban	mpg	61.4 (55.4)	58.9 (54.3)	53.3
Composite	mpg	49.6 (45.6)	49.6 (45.6)	42.2
CO ₂	g/km	153 (164)	152 (164)	177
Miscellaneous				
Emission rating		EU 4	EU 5	EU 4

¹⁾ Oil change quantity

²⁾ Weight of road-ready vehicle (DIN) plus 75 kg for driver and luggage

³⁾ Increases are possible under certain conditions

Figures in brackets apply to automatic transmission

* Automatic transmission

BMW 3 Series Touring.

BMW 318i, 320i.

		318i Touring	320i Touring
Body			
No. of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4,527/1,817/1,418	4,527/1,817/1,418
Wheelbase	mm	2,760	2,760
Track, front/rear	mm	1,506/1,535	1,506/1,535
Turning circle	m	11.0	11.0
Tank capacity	approx l	63	63
Cooling system incl heater	l	8.4 (9.2)	8.4 (9.2)
Engine oil ¹⁾	l	4.25	4.25
Transmission fluid/final drive fluid	l	lifetime	lifetime
Weight, unladen to EU ²⁾	kg	1,505 (1,535)	1,505 (1,535)
Max load to DIN	kg	540	540
Max permissible load	kg	1,970 (2,000)	1,970 (2,000)
Max axle load, front/rear	kg	900/1,135	900/1,135
Max trailer load ³⁾ braked (12 %)/unbraked	kg	1,250 (1,400)/695	1,400 (1,500)/695
Max roofload	kg	75	75
Luggage comp. volume ISO3832	l	460–1,385	460–1,385
Air drag	C _d x A	0.27 x 2.17	0.27 x 2.17
Engine			
Config/no of cyls/valves		in-line/4/4	in-line/4/4
Engine management		MSD 81.2	MSD 81.2
Capacity, effective	cc	1,995	1,995
Bore/stroke	mm	90/84	90/84
Compression ratio	:1	12.0	12.0
Fuel grade		min. RON 91 ⁴⁾	min. RON 91 ⁴⁾
Output	kW/bhp	105/143	125/170
at engine speed	rpm	6,000	6,700
Torque	Nm	190	210
at engine speed	rpm	4,250	4,250
Electrical system			
Battery/installation	Ah/–	90 (70)/luggage comp.	90 (70)/luggage comp.
Alternator	A/W	180/2,520	180/2,520
Chassis			
Suspension, front		Double joint spring strut front suspension with caster offset; small positive steering roll radius; transverse force compensation; anti-dive	
Suspension, rear		Five-link rear axle in lightweight steel construction	
Brakes, front		Single piston floating caliper disc brakes/vented	
Diameter	mm	312 x 24	312 x 24
Brakes, rear		Single piston floating caliper disc brakes/vented	
Diameter	mm	300 x 20	300 x 20
Driving stability systems		ABS, traction assistance (ASC+T), wheel-selective electronic brake force distribution; (EBV, CBC), driving stability system (DSC), electronic differential lock (ADB), emergency brake detection (DBC)	

BMW 318i, 320i Touring

		318i Touring	320i Touring
Steering		Rack and pinion power steering; 2.92 rotations from lock to lock	
Steering transmission, overall	:1	16.0	16.0
Type of gearbox		6-speed manual transmission (6-speed automatic transmission)	
Gear ratios I	:1	4.323 (4.171)	4.323 (4.171)
II	:1	2.456 (2.340)	2.456 (2.340)
III	:1	1.659 (1.521)	1.659 (1.521)
IV	:1	1.230 (1.143)	1.230 (1.143)
V	:1	1.000 (0.867)	1.000 (0.867)
VI	:1	0.848 (0.691)	0.848 (0.691)
R	:1	3.938 (3.403)	3.938 (3.403)
Final drive		3.385 (3.909)	3.455 (3.909)
Tyres, front	:1	205/55 R16 91H RSC	205/55 R16 91V RSC
Tyres, rear	:1	205/55 R16 91H RSC	205/55 R16 91V RSC
Rims, front		7J x 16 steel	7J x 16 steel
Rims, rear		7J x 16 steel	7J x 16 steel
Performance			
Power-to-weight ratio to DIN	kg/kW	13.6 (13.9)	11.4 (11.7)
Output per litre	kW/l	52.6	62.7
Acceleration 0–62mph	s	9.5 (10.4)	8.4 (9.2)
1,000 m, standing start	s	30.6 (31.3)	29.2 (29.8)
50–75mph in 4 th gear	s	9.9/13.1 (–)	8.7/11.5 (–)
Top speed	mph	210	226 (224)
Fuel consumption in EU cycle			
Urban	mpg	35.3 (32.8)	33.2 (31.0)
Extra-urban	mpg	57.6 (53.3)	57.6 (53.3)
Composite	mpg	47.1 (43.5)	45.6 (42.2)
CO ₂	g/km	144 (156)	148 (160)
Miscellaneous			
Emission rating		EU 4	EU 4

¹⁾ Oil change quantity

²⁾ Weight of road-ready vehicle (DIN) plus 75 kg for driver and luggage

³⁾ Increases are possible under certain conditions

⁴⁾ Details of output and fuel consumption apply to use with RON 98 fuel

Figures in brackets apply to automatic transmission

BMW 325i, 330i, 335i Touring

		325i Touring	330i Touring	335i Touring
Body				
No. of doors/seats		5/5	5/5	5/5
Length/width/height (unladen)	mm	4,527/1,817/1,418	4,527/1,817/1,418	4,527/1,817/1,418
Wheelbase	mm	2,760	2,760	2,760
Track, front/rear	mm	1,506/1,535	1,500/1,529	1,500/1,529
Turning circle	m	11.0	11.0	11.0
Tank capacity	approx l	63	63	63
Cooling system incl heater	l	8.2 (8.5)	8.2 (8.5)	8.2 (8.5)
Engine oil ¹⁾	l	6.5	6.5	6.5
Transmission fluid/final drive fluid	l	lifetime	lifetime	lifetime
Weight, unladen to EU ²⁾	kg	1,585 (1,615)	1,605 (1,630)	1,690 (1,705)
Max load to DIN	kg	540	540	540
Max permissible load	kg	2,050 (2,080)	2,080 (2,095)	2,155 (2,170)
Max axle load, front/rear	kg	945/1,160	955/1,175	1,005/1,190
Max trailer load ³⁾ braked (12 %)/unbraked	kg	1,600/745	1,700/750	1,700/750
Max roofload	kg	75	75	75
Luggage comp. volume ISO3832	l	460–1,385	460–1,385	450–1,375
Air drag	C _d x A	0.28 x 2.17	0.29 x 2.17	0.31 x 2.17
Engine				
Config/no of cyls/valves		in-line/6/4	in-line/6/4	in-line/6/4
Engine management		MSD 81	MSD 81	MSD 81
Capacity, effective	cc	2,996	2,996	2,979
Bore/stroke	mm	88.0/85.0	88.0/85.0	89.6/84.0
Compression ratio	:1	12.0	12.0	10.2
Fuel grade		min. RON 91 ⁴⁾	min. RON 91 ⁴⁾	min. RON 95 ⁴⁾
Output	kW/bhp	160/218	200/272	225/306
at engine speed	rpm	6,100	6,700	5,800
Torque	Nm	270	320	400
at engine speed	rpm	2,400–4,200	2,750–3,000	1,300–5,000
Electrical system				
Battery/installation	Ah/–	80/luggage comp.	80/luggage comp.	80/luggage comp.
Alternator	A/W	155/2,170 (180/2,520)	155/2,170 (180/2,520)	180/2,520
Chassis				
Suspension, front		Double joint spring strut front suspension with caster offset; small positive steering roll radius; transverse force compensation; anti-dive		
Suspension, rear		Five-link rear axle in lightweight steel construction		
Brakes, front		Single piston floating caliper disc brakes/vented		
Diameter	mm	330 x 24	348 x 30	348 x 30
Brakes, rear		Single piston floating caliper disc brakes/vented		
Diameter	mm	300 x 20	336 x 22	336 x 22
Driving stability systems		ABS, traction assistance (ASC+T), wheel-selective electronic brake force distribution (EBV, CBC), driving stability system (DSC), electronic differential lock (ADB), emergency brake detection (DBC)		

BMW 325i, 330i, 335i Touring

		325i Touring	330i Touring	335i Touring
Steering		Rack and pinion power steering; 2.92/2.96 (335i) rotations from lock to lock		
Steering transmission, overall	:1	16.0	16.0	16.0
Type of gearbox		6-speed manual transmission (6-speed automatic transmission)		
Gear ratios I	:1	4.323 (4.171)	4.350 (4.171)	4.055 (4.171)
II	:1	2.456 (2.340)	2.496 (2.340)	2.396 (2.340)
III	:1	1.659 (1.521)	1.665 (1.521)	1.582 (1.521)
IV	:1	1.230 (1.143)	1.230 (1.143)	1.192 (1.143)
V	:1	1.000 (0.867)	1.000 (0.867)	1.000 (0.867)
VI	:1	0.848 (0.691)	0.851 (0.691)	0.872 (0.691)
R	:1	3.938 (3.403)	3.926 (3.403)	3.677 (3.403)
Final drive		3.071 (3.462)	3.154 (3.636)	3.077 (3.462)
Tyres, front	:1	205/55 R16 91W RSC	225/45 R17 91Y RSC	225/45 R17 91Y RSC
Tyres, rear	:1	205/55 R16 91W RSC	225/45 R17 91Y RSC	225/45 R17 91Y RSC
Rims, front		7J x 16 light alloy	8J x 17 light alloy	8J x 17 light alloy
Rims, rear		7J x 16 light alloy	8J x 17 light alloy	8J x 17 light alloy
Performance				
Power-to-weight ratio to DIN	kg/kW	9.4 (9.6)	7.7 (7.8)	7.2 (7.2)
Output per litre	kW/l	53.4	66.8	75.5
Acceleration 0–62mph	s	6.9 (7.3)	6.2 (6.4)	5.7 (5.9)
1000 m, standing start	s	27.0 (27.5)	25.8 (26.9)	24.7 (24.8)
50–75mph in 4 th gear	s	7.6/9.4 (–)	6.5/8.0 (–)	5.5/6.5 (–)
Top speed	mph	248 (246)	250	250
Fuel consumption in EU cycle				
Urban	mpg	28.5 (28.8)	28.2 (28.0)	21.1 (21.4)
Extra-urban	mpg	50.4 (49.6)	49.6 (48.7)	40.9 (40.4)
Composite	mpg	39.2 (39.2)	38.7 (38.2)	30.4 (30.4)
CO ₂	g/km	173	175 (178)	222 (223)
Miscellaneous				
Emission rating		EU 4	EU 4	EU 4

¹⁾ Oil change quantity

²⁾ Weight of road-ready vehicle (DIN) plus 75 kg for driver and luggage

³⁾ Increases are possible under certain conditions

⁴⁾ Details of output and fuel consumption apply to use with RON 98 fuel

Figures in brackets apply to automatic transmission

BMW 318d, 320d Touring

		318d Touring	320d Touring
Body			
No. of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4,527/1,817/1,418	4,527/1,817/1,418
Wheelbase	mm	2,760	2,760
Track, front/rear	mm	1,506/1,535	1,506/1,535
Turning circle	m	11.0	11.0
Tank capacity	approx l	61	61
Cooling system incl heater	l	7.5 (7.9)	7.5 (7.9)
Engine oil ¹⁾	l	5.2	5.2
Transmission fluid/final drive fluid	l	lifetime	lifetime
Weight, unladen to EU ²⁾	kg	1,580 (1,595)	1,580 (1,595)
Max load to DIN	kg	540	540
Max permissible load	kg	2,045 (2,060)	2,045 (2,060)
Max axle load, front/rear	kg	940/1,160	940/1,160
Max trailer load ³⁾ braked (12 %)/unbraked	kg	1,600/745	1,600/745
Max roofload	kg	75	75
Luggage comp. volume ISO3832	l	460–1,385	460–1,385
Air drag	C _d x A	0.27 x 2.17	0.28 x 2.17
Engine			
Config/no of cyls/valves		in-line/4/4	in-line/4/4
Engine management		DDE7.1	DDE7.1
Capacity, effective	cc	1,995	1,995
Bore/stroke	mm	90/84	90/84
Compression ratio	:1	16.0	16.0
Fuel grade		Diesel	Diesel
Output	kW/bhp	105/143	130/177
at engine speed	rpm	4,000	4,000
Torque	Nm	300	350
at engine speed	rpm	1,750–2,500	1,750–3,000
Electrical system			
Battery/installation	Ah/–	90 (80)/luggage comp.	90 (80)/luggage comp.
Alternator	A/W	180/2,520	180/2,520
Chassis			
Suspension, front		Double joint spring strut front suspension with caster offset; small positive steering roll radius; transverse force compensation; anti-dive	
Suspension, rear		Five-link rear axle in lightweight steel construction	
Brakes, front		Single piston floating caliper disc brakes/vented	
Diameter	mm	312 x 24	312 x 24
Brakes, rear		Single piston floating caliper disc brakes/vented	
Diameter	mm	300 x 20	300 x 20
Driving stability systems		ABS, traction assistance (ASC+T), wheel-selective electronic brake force distribution (EBV, CBC), driving stability system (DSC), electronic differential lock (ADB), emergency brake detection (DBC)	

BMW 318d, 320d Touring

		318d Touring	320d Touring
Steering		Rack and pinion power steering; 2.92 rotations from lock to lock	
Steering transmission,	:1	16.0	16.0
Type of gearbox		6-speed manual transmission (6-speed automatic transmission)	
Gear ratios I	:1	4.002 (4.171)	5.140 (4.171)
II	:1	2.108 (2.340)	2.830 (2.340)
III	:1	1.380 (1.521)	1.804 (1.521)
IV	:1	1.000 (1.143)	1.257 (1.143)
V	:1	0.780 (0.867)	1.000 (0.867)
VI	:1	0.645 (0.691)	0.831 (0.691)
R	:1	3.187 (3.403)	4.638 (3.403)
Final drive	:1	3.071 (3.231)	2.563 (3.154)
Tyres, front	:1	205/55 R16 91H RSC	205/55 R16 91V RSC
Tyres, rear	:1	205/55 R16 91H RSC	205/55 R16 91V RSC
Rims, front		7J x 16 steel	7J x 16 light alloy
Rims, rear		7J x 16 steel	7J x 16 light alloy
Performance			
Power-to-weight ratio to DIN	kg/kW	14.3 (14.5)	11.6 (11.7)
Output per litre	kW/l	52.6	65.2
Acceleration 0–62mph	s	9.6 (9.7)	8.1 (8.3)
1,000 m, standing start	s	30.8 (31.0)	28.8 (29.0)
50–75mph in 4 th gear	s	8.8/11.8 (–)	6.9/8.8 (–)
Top speed	mph	210	228 (226)
Fuel consumption in EU cycle			
Urban	mpg	48.7 (38.7)	46.3 (38.7)
Extra-urban	mpg	67.3 (61.4)	67.3 (61.4)
Composite	mpg	58.9 (50.4)	57.6 (50.4)
CO ₂	g/km	125 (146)	130 (146)
Miscellaneous			
Emission rating		EU 5	EU 5

¹⁾ Oil change quantity

²⁾ Weight of road-ready vehicle (DIN) plus 75 kg for driver and luggage

³⁾ Increases are possible under certain conditions

Figures in brackets apply to automatic transmission

BMW 325d, 330d, 335d Touring

		325d Touring	330d Touring	335d Touring*
Body				
No. of doors/seats		5/5	5/5	5/5
Length/width/height	mm	4,527/1,817/1,418	4,527/1,817/1,418	4,527/1,817/1,418
Wheelbase	mm	2,760	2,760	2,760
Track, front/rear	mm	1,500/1,529	1,500/1,529	1,500/1,529
Turning circle	m	11.0	11.0	11.0
Tank capacity	approx l	61	61	61
Cooling system incl heater	l	7.9. (8.2)	7.9	8.2
Engine oil ¹⁾	l	7.5	7.2	7.5
Transmission fluid/final drive fluid	l	lifetime	lifetime	lifetime
Weight, unladen to EU ²⁾	kg	1,665 (1,675)	1,675 (1,690)	1,720
Max load to DIN	kg	540	540	540
Max permissible load	kg	2,130 (2,140)	2,140 (2,155)	2,185
Max axle load, front/rear	kg	990/1,190	1,000/1,200	1,020/1,200
Max trailer load ³⁾ braked (12 %)/unbraked	kg	1,800/750	1,800/750	1,800/750
Max roofload	kg	75	75	75
Luggage comp. volume ISO3832	l	460–1,385	460–1,385	450–1,375
Air drag	C _d x A	0.29 x 2.17	0.29 x 2.17	0.31 x 2.17
Engine				
Config/no of cyls/valves		in-line/6/4	in-line/6/4	in-line/6/4
Engine management		DDE6.0.6	DDE7.3	DDE6.2.6
Capacity, effective	cc	2,993	2,993	2,993
Bore/stroke	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	17.0	16.5	17.0
Fuel grade		Diesel	Diesel	Diesel
Output	kW/bhp	145/197	180/245	210/286
at engine speed	rpm	4,000	4,000	4,400
Torque	Nm	400	520	580
at engine speed	rpm	1,300–3,250	1,750–3,000	1,750–2,250
Electrical system				
Battery/installation	Ah/–	90/luggage comp.	90/luggage comp.	90/luggage comp.
Alternator	A/W	150/2,100	180/2,520	180/2,520
Chassis				
Suspension, front		Double joint spring strut front suspension with caster offset; small positive steering roll radius; transverse force compensation; anti-dive		
Suspension, rear		Five-link rear axle in lightweight steel construction		
Brakes, front		Single piston floating caliper disc brakes/vented		
Diameter	mm	330 x 24	348 x 30	348 x 30
Brakes, rear		Single piston floating caliper disc brakes/vented		
Diameter	mm	336 x 22	336 x 22	336 x 22
Driving stability systems		ABS, traction assistance (ASC+T), wheel-selective electronic brake force distribution (EBV, CBC), driving stability system (DSC), electronic differential lock (ADB), emergency brake detection (DBC)		

BMW 325d, 330d, 335d Touring

		325d Touring	330d Touring	335d Touring*
Steering		Rack and pinion power steering; 2.92/2.96 (335d) rotations from lock to lock		
Steering transmission, overall	:1	16.0	16.0	16.0
Type of gearbox		6-speed manual transmission (6-speed automatic transmission)		
Gear ratios I	:1	5.080 (4.171)	5.080 (4.171)	4.171
II	:1	2.804 (2.340)	2.804 (2.340)	2.340
III	:1	1.783 (1.521)	1.783 (1.521)	1.521
IV	:1	1.260 (1.143)	1.260 (1.143)	1.143
V	:1	1.000 (0.867)	1.000 (0.867)	0.867
VI	:1	0.835 (0.691)	0.835 (0.691)	0.691
R	:1	4.607 (3.403)	4.607 (3.403)	3.403
Final drive		2.353 (2.786)	2.353 (2.813)	2.813
Tyres, front	:1	225/45 R17 91W RSC	225/45 R17 91Y RSC	225/45 R17 91Y RSC
Tyres, rear	:1	225/45 R17 91W RSC	225/45 R17 91Y RSC	225/45 R17 91Y RSC
Rims, front		8J x 17 light alloy	8J x 17 light alloy	8J x 17 light alloy
Rims, rear		8J x 17 light alloy	8J x 17 light alloy	8J x 17 light alloy
Performance				
Power-to-weight ratio to DIN	kg/kW	11.0 (11.0)	8.9 (9.0)	7.8
Output per litre	kW/l	48.4	60.1	70.2
Acceleration 0–62mph	s	7.6 (7.7)	6.2 (6.3)	6.1
1,000 m, standing start	s	28.1 (28.1)	26.0 (26.2)	25.3
50–75mph in 4 th gear	s	6.7/8.5 (–)	5.0 (6.4)	(–)
Top speed	mph	233 (231)	250	250
Fuel consumption in EU cycle				
Urban	mpg	36.2 (34.4)	37.7 (34.9)	30.7
Extra-urban	mpg	58.9 (54.3)	56.6 (53.3)	52.3
Composite	mpg	47.9 (44.8)	47.9 (44.8)	41.5
CO ₂	g/km	155 (165)	155 (165)	178
Miscellaneous				
Emission rating		EU 4	EU 5	EU 4

¹⁾ Oil change quantity

²⁾ Weight of road-ready vehicle (DIN) plus 75 kg for driver and luggage

³⁾ Increases are possible under certain conditions

Figures in brackets apply to automatic transmission

* Automatic transmission