

主要諸元：BMW 1 シリーズ 116i, 120i.

Body		116i	120i
No. of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4,227/1,751/1,430	4,227/1,751/1,430
Wheelbase	mm	2,660	2,660
Track, front/rear	mm	1,494/1,507	1,484/1,497
Ground clearance	mm	145	145
Turning circle	m	10.7	10.7
Fuel tank capacity	approx. ltr	50	50
Cooling system incl. heating	ltr	7.0	7.3
Engine oil	ltr	4.25	4.25
Transmission fluid	ltr	Permanent filling	Permanent filling
Final drive fluid	ltr	Permanent filling	Permanent filling
Weight, unladen (EU ¹)	kg	1,280	1,335 (1,350)
Max load (DIN)	kg	500	500
Max. permissible weight (DIN)	kg	1,705	1,760 (1,775)
Permissible axle load front/rear	kg	805/975	850/995
Max. trailer load ²			
Braked (12%/unbraked)	kg	635	665
Max. roof load/trailer nose weight	kg	75/75	75/75
Luggage comp. capacity	ltr	330–1,150	330–1,150
Drag coefficient	c _x x A	0.29 x 2.09	0.31 x 2.09
Engine			
Layout/cylinders/valves		inline/4/4	inline/4/4
Engine management		Manifold injection	Manifold injection
Displacement	cc	1,596	1,995
Bore/Stroke	mm	72.0/84.0	90/84
Compression ratio	:1	10.2	10.5
Fuel grade ³	RON	RON 91–98	RON 91–98
Max. output	kW/bhp	85/115	110/150
At engine speed	rpm	6,000	6,200
Torque	Nm	150	200
At engine speed	rpm	4,300	3,600
Electrics			
Battery/Location	Ah/–	46/boot	46/boot
Alternator	A/W	110/1,540	110/1,540
Chassis			
Front suspension		Double-joint thrust-rod spring strut axle in aluminium	
Rear suspension		Independent 5-arm axle, steel-lightweight construction	
Brakes, front		Single-piston floating-caliper disc brakes	
Diameter	mm	284 x 22, vented	292 x 22, vented
Brakes, rear		Single-piston floating-caliper disc brakes	
Diameter	mm	280 x 10	296 x 10
Driving Stability Systems		ABS, CBC, ASC, DSC, DTC, DBC;	
Steering		Hydraulic rack-and-pinion; 3.0 turns lock to lock	
Overall ratio	:1	13.7	13.7
Type of transmission		6-Speed-manual (6-Gear-Steptronic automatic- transmission)	
Transmission ratio	I	:1	4.230
	II	:1	2.519
	III	:1	1.665
	IV	:1	1.222
	V	:1	1.000
	VI	:1	0.851
	R	:1	4.040
Final drive ratio	:1	3.64	3.38
Tyres		Runflat 185/60 R16	Runflat 195/55 R16
Wheels		6J x 16 St	6.5J x 16 St
Performance			
Power to weight ratio (DIN)	kg/kW	14.2	11.5 (11.6)
Output per litre	kW/ltr	53.3	55.1
Acceleration	0–62mph	sec	10.8
	0–1000 m	sec	31.9
50–75 mph in 4 th gear	sec	10.7	8.4
Top speed	km/h	200	217 (213)
Fuel consumption (EU cycle)			
In town	ltr/100 km	10.5	10.7 (11.0)
Out of town	ltr/100 km	5.9	5.6 (6.2)
Overall	ltr/100 km	7.5	7.4 (7.9)
CO ₂	g/km	181	178 (190)
Miscellaneous			
Emission classification		EU 4	EU 4

Figures in brackets are for automatic transmission.

¹Weight of the car in road trim (DIN) plus 75 kg for driver and luggage.

²Deviations are possible under certain conditions.

³For Performance and fuel consumption figures: RON 98.

主要諸元：BMW 1 シリーズ 118d, 120d.

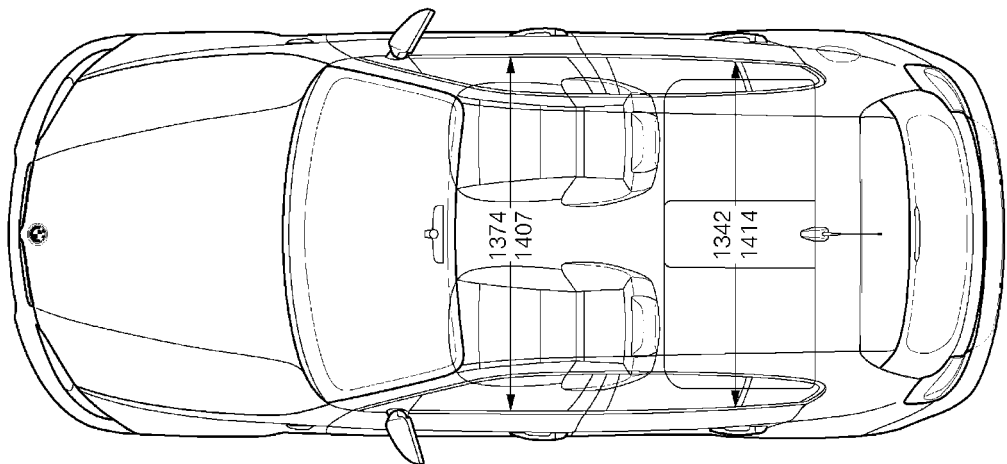
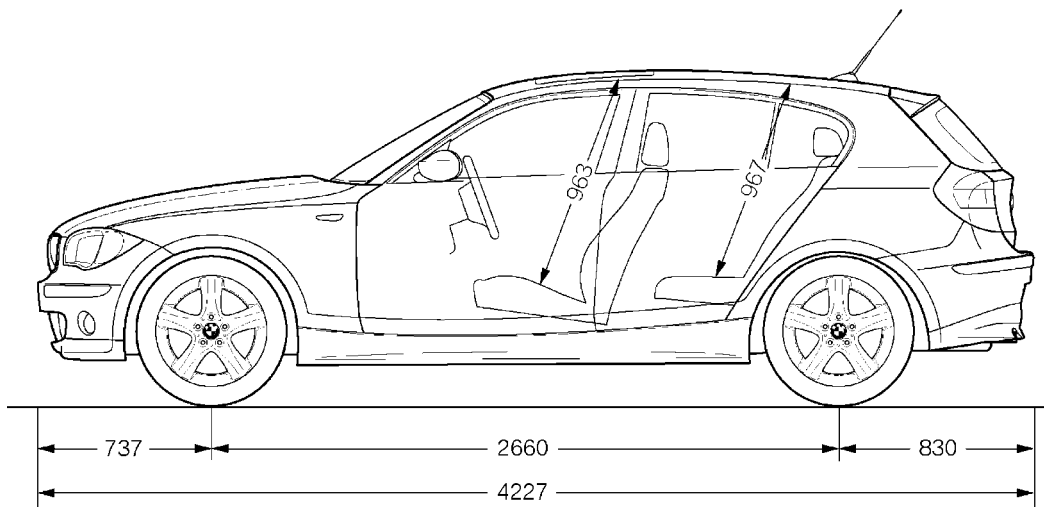
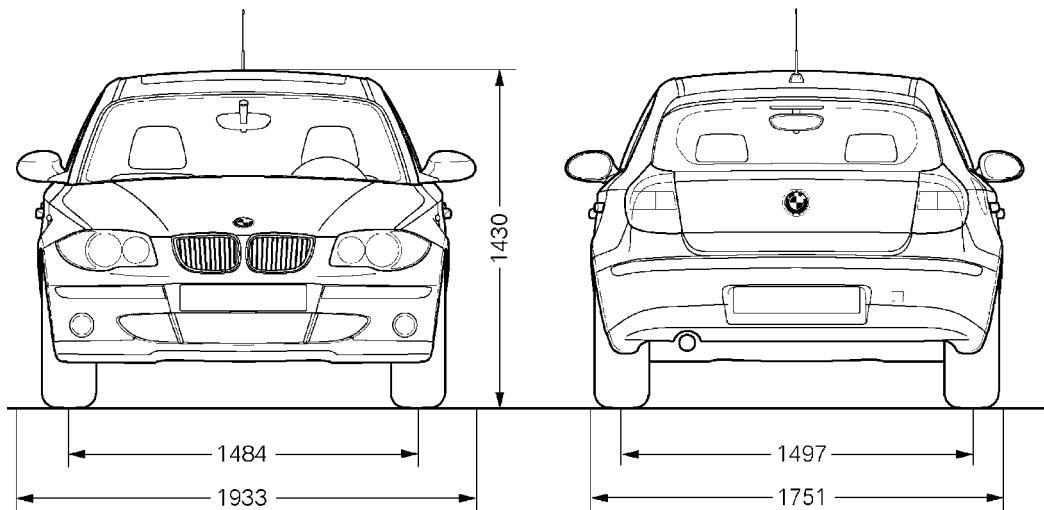
Body		118d	120d
No. of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4,227/1,751/1,430	4,227/1,751/1,430
Wheelbase	mm	2,660	2,660
Track, front/rear	mm	1,494/1,507	1,484/1,497
Ground clearance	mm	145	145
Turning circle	m	10.7	10.7
Fuel tank capacity	approx. ltr	50	50
Cooling system incl. heating	ltr	7.2	7.2 (7.5)
Engine oil	ltr	5.5	5.5
Transmission fluid	ltr	Permanent filling	Permanent filling
Final drive fluid	ltr	Permanent filling	Permanent filling
Weight, unladen (EU ¹)	kg	1,385	1,415 (1,425)
Max load (DIN)	kg	500	500
Max. permissible weight (DIN)	kg	1,810	1,840 (1,850)
Permissible axle load front/rear	kg	875/895	895/1,025
Max. trailer load ² braked (12%/unbraked)	kg	1,200/690	1,200/705
Max. roof load/trailer nose weight	kg	75/75	75/75
Luggage comp. capacity	ltr	330–1150	330–1150
Drag coefficient	c _x x A	0.30 x 2.09	0.31 x 2.09
Engine			
Layout/cylinders/valves		inline/4/4	inline/4/4
Engine management		CR 1,600 bar	CR 1,600 bar
Displacement	cc	1,995	1,995
Bore/Stroke	mm	90.0/84.0	90.0/84.0
Compression ratio	:1	17.2	17.0
Fuel grade	RON	Diesel	Diesel
Max. output	kW/bhp	90/122	120/163
At engine speed	rpm	4,000	4,000
Torque	Nm	280	340
At engine speed	rpm	2,000	2,000
Electrics			
Battery/Location	Ah/–	80/boot	80/boot
Alternator	A/W	150/2,100	150/2,100
Chassis			
Front suspension		Double-joint thrust-rod spring strut axle in aluminium	
Rear suspension		Independent 5-arm axle, steel-lightweight construction	
Brakes, front		Single-piston floating-caliper disc brakes	
Diameter	mm	284 x 22, vented	292 x 22, vented
Brakes, rear		Single-piston floating-caliper disc brakes	
Diameter	mm	280 x 10	300 x 20, vented
Driving Stability Systems		ABS+CBC, ASC, DSC, DTC, DBC;	
Steering		Hydraulic rack-and-pinion; 3,0 turns lock to lock	
Overall ratio	:1	14.25	14.25
Type of transmission		6-Speed-manual (6-Gear-Steptronic automatic) transmission	
Transmission ratio	I	:1	5.140
	II	:1	2.834
	III	:1	1.787
	IV	:1	1.263
	V	:1	1.000
	VI	:1	0.830
	R	:1	4.638
Final drive ratio	:1	2.47	2.47 (3.07)
Tyres		Runflat 185/60 R16	Runflat 195/55 R16
Wheels		6J x 16 Steel	6.5J x 16 Steel
Performance			
Power to weight ratio (DIN)	kg/kW	14.6	11.2 (11.3)
Output per litre	kW/ltr	45.1	60.2
Acceleration 0–62mph	sec	10.0	7.9 (8.2)
0–1000 m	sec		28.9 (29.0)
50–75 mph in 4 th gear	sec	8.8	6.6
Top speed	km/h	201	220 (217)
Fuel consumption (EU cycle)			
In town	ltr/100 km	7.7	7.7 (8.7)
Out of town	ltr/100 km	4.5	4.6 (5.5)
Overall	ltr/100 km	5.6	5.7 (6.6)
CO ₂	g/km	150	152 (176)
Miscellaneous			
Emission classification		EU 4	EU 4

Figures in brackets are for automatic transmission.

¹Weight of the car in road trim (DIN) plus 75 kg for driver and luggage.

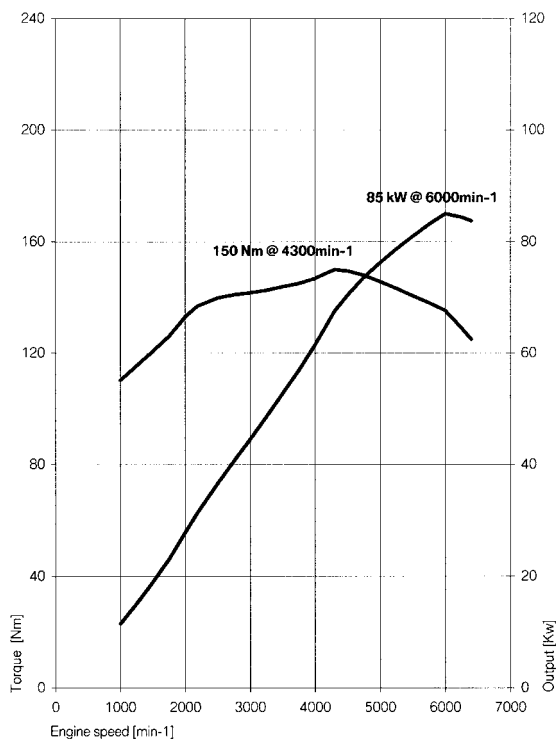
²Deviations are possible under certain conditions.

5. インテリアおよびエクステリア寸法

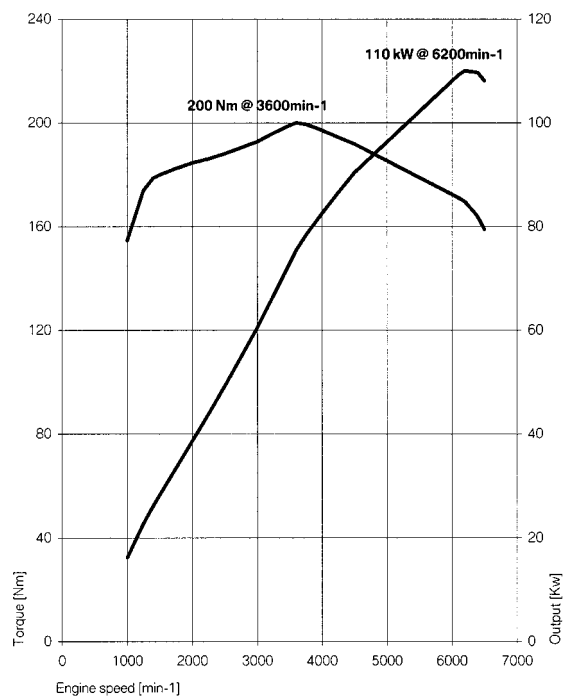


6. エンジン性能曲線

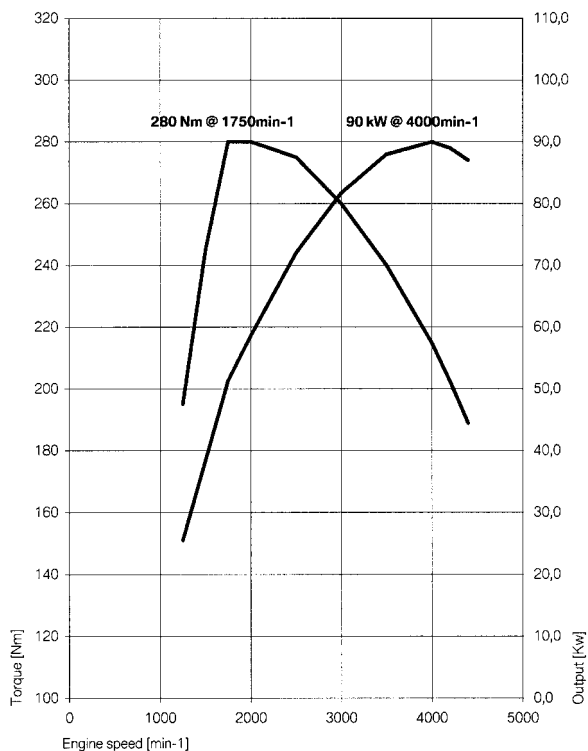
BMW 116i



BMW 120i



BMW 118d



BMW 120d

