

## Specifications BMW Z4 M Roadster

<b>Body</b>		
No of doors/seats		2/2
Length/width/height (unladen)	mm	4,113/1,781/1,302
Wheelbase	mm	2497
Track, front/rear	mm	1,486/1,516
Turning circle	m	10.5
Tank capacity	approx. ltr	55
Cooling system, incl heating	ltr	10.7
Engine oil	ltr	7
Transmission fluid	ltr	1.9
Final drive fluid	ltr	1.2
Weight, unladen, to EU <sup>1</sup>	kg	1485
Max load to DIN	kg	295
Max permissible weight to DIN	kg	1705
Max axle load, front/rear	kg	840/910
Max trailer load		
braked (12%/unbraked)	kg	–
Max roof load/max towbar download	kg	–
Luggage compartment to VDA	ltr	200/220
Air drag	cd x A	0.37 x 1.92
<b>Engine</b>		
Config/No of cylinders/valves		R/6/4
Engine management		MSS70
Capacity	cc	3246
Bore/stroke	mm	87/91
Compression ratio	:1	11.5
Fuel grade	RON	95–98
Output	kW	252
at	rpm	7900
Torque	Nm/lb-ft	365/232
at	rpm	4900
<b>Electrical system</b>		
Battery/installation	Ah/70	Luggage compartment, right
Alternator	A/W	147/2,058
<b>Chassis and suspension</b>		
Suspension, front	Single-joint spring strut axle with multiple track control arms; fixed-position ball joint on guide joint, thrust plate, twin-sleeve gas pressure spring struts	
Suspension, rear	Central arm axle with separate springs/dampers, twin-sleeve gas pressure dampers	
Brakes, front	Single-piston swing callipers, compound disc brakes	
Diameter	mm	345,0 vented
Brakes, rear	Single-piston swing callipers, compound disc brakes	
Diameter	mm	328,0 vented
Driving stability systems	ABS, CBC, DSC, DBC, variable M differential lock	
Steering	Rack-and-pinion steering with hydraulic assistance	
Overall steering ratio	:1	15.4
Transmission		Type H manual gearbox
Gear ratios I	:1	4.35
II	:1	2.5
III	:1	1.67
IV	:1	1.23
V	:1	1
VI	:1	0.85
R	:1	3.93
Final drive	:1	3.62
Tyres, front		225/45 ZR18
Tyres, rear		255/40 ZR18
Rims, front		8.0J x 18 EH2 IS42 LM
Rims, rear		9.0J x 18 EH2 IS30 LM
<b>Performance</b>		
Power-to-weight ratio, DIN	kg/kW	5.6
Output per litre	kW/ltr	77.6
Acceleration 0–100 km/h	sec	5
In 4 <sup>th</sup> /5 <sup>th</sup> gear 80–120 km/h	sec	5.0/6.5
Top speed	km/h	250 <sup>2</sup>
<b>Fuel consumption in EU cycle</b>		
Urban	ltr/100 km	18.2
Extra-urban	ltr/100 km	8.6
Composite	ltr/100 km	12.1
CO <sub>2</sub>	g/km	292
<b>Miscellaneous</b>		
Emission level		EU4

<sup>1</sup>Weight of car in road trim (DIN), plus 75 kg for driver and luggage. <sup>2</sup>Electronically limited.