

Technical Data - Europe.

BMW 6 Series Convertible (E64).

	630i Convertible	630i Convertible	650i Convertible	650i Convertible
Engine platform	N52B3000	N52B3000	N62B48 Tü	N62B48 Tü
Transmission	M6	A6	M6	A6
No of doors / seats	- / 4	- / 4	- / 4	- / 4
Vehicle length / width / height -unloaded-	mm 4820 / 1855 / 1373	mm 4820 / 1855 / 1373	mm 4820 / 1855 / 1373	mm 4820 / 1855 / 1373
Weelbase / Turning circle	mm / m 2780 / 11,4	mm / m 2780 / 11,4	mm / m 2780 / 11,4	mm / m 2780 / 11,4
Track front / rear	mm 1558 / 1596	mm 1558 / 1596	mm 1558 / 1596	mm 1558 / 1596
Overhang rear	mm 1098	mm 1098	mm 1098	mm 1098
Ground clearance -empty-	mm 129	mm 129	mm 129	mm 129
Shoulder width front / rear	mm 1432 / 1254	mm 1432 / 1254	mm 1432 / 1254	mm 1432 / 1254
Elbow width front / rear	mm 1493 / 1334	mm 1493 / 1334	mm 1493 / 1334	mm 1493 / 1334
Eff. head room front / rear	mm 959 / 926	mm 959 / 926	mm 959 / 926	mm 959 / 926
Luggage capacity	m³ 0,300-0,350	m³ 0,300-0,350	m³ 0,300-0,350	m³ 0,300-0,350
Fuel tank capacity	ltr 70	ltr 70	ltr 70	ltr 70
Curb weight -acc DIN-	kg 1710 / 1785	kg 1720 / 1795	kg 1850 / 1925	kg 1850 / 1925
Axle load ratio -unloaded DIN-	% 53,2	% 52,9	% 50,8	% 50,8
Gross vehicle weight / Payload	kg 2110 / 400	kg 2120 / 400	kg 2250 / 400	kg 2250 / 400
Axle load limit front / rear	kg 1020 / 1250	kg 1020 / 1250	kg 1100 / 1270	kg 1100 / 1270
Trailer load braked -12% / 8%-	kg - / -	kg - / -	kg - / -	kg - / -
Trailer load unbraked / roof load	kg - / -	kg - / -	kg - / -	kg - / -
Engine type / cylinder / valves p cyl	- In line / 6 / 4	- In line / 6 / 4	- V 90 / 8 / 4	- V 90 / 8 / 4
Fuel management	- MSV70	- MSV70	- Bosch ME9,2,2	- Bosch ME9,2,2
Effective displacement	cm³ 2996	cm³ 2996	cm³ 4799	cm³ 4799
Stroke / Bore	mm 88 / 85	mm 88 / 85	mm 88,3 / 93	mm 88,3 / 93
Nom power output / Engine speed	kW(hp) / 1/min 190 (258) / 6600	kW(hp) / 1/min 190 (258) / 6600	kW(hp) / 1/min 270 (367) / 6300	kW(hp) / 1/min 270 (367) / 6300
Max torque / Engine speed	Nm / 1/min 300 / 2500	Nm / 1/min 300 / 2500	Nm / 1/min 490 / 3400	Nm / 1/min 490 / 3400
RPM at max torque -range-	1/min 2500-4000	1/min 2500-4000	see 'Tor./Engine speed'	see 'Tor./Engine speed'
Compression ratio / Fuel type	- 10,7 / ROZ91-98	- 10,7 / ROZ91-98	- 10,5 / ROZ91-98	- 10,5 / ROZ91-98
Exhaust emissions classification	- EU4	- EU4	- EU4	- EU4
Codification of reference gearbox	- ZF H	- ZF 6HP26	- ZF G	- ZF 6HP26
Gear ratio 1st/2nd/3rd	- 4,35 / 2,496 / 1,665	- 4,171 / 2,34 / 1,521	- 4,055 / 2,396 / 1,582	- 4,171 / 2,34 / 1,521
Gear ratio 4th/5th/6th/7th	- 1,23 / 1 / 0,851 / -	- 1,143 / 0,867 / 0,691 / -	- 1,192 / 1 / 0,872 / -	- 1,143 / 0,867 / 0,691 / -
Reverse ratio	- 3,926	- 3,403	- 3,677	- 3,403
Final drive ratio	- 3,38	- 3,91	- 3,46	- 3,46
Steering type / ratio	- Rack-and-pinion / 14,4	- Rack-and-pinion / 14,4	- Rack-and-pinion / 14,4	- Rack-and-pinion / 14,4
Brake front / diameter	-/mm Ventilated Disc / 324	-/mm Ventilated Disc / 324	-/mm Ventilated Disc / 348	-/mm Ventilated Disc / 348
Brake rear / diameter	-/mm Ventilated Disc / 320	-/mm Ventilated Disc / 320	-/mm Ventilated Disc / 345	-/mm Ventilated Disc / 345
Drag Cd / A / Cd x A	- / m² / m² 0,31 / 2,15 / 0,67	- / m² / m² 0,31 / 2,15 / 0,67	- / m² / m² 0,31 / 2,15 / 0,67	- / m² / m² 0,31 / 2,15 / 0,67
Top speed	km/h 250	km/h 250	km/h 250	km/h 250
Acceleration 0-100 Km/h	s 6,9	s 7,2	s 5,7	s 5,8
Acceleration 0-1000 m	s 27,1	s 27,3	s 24,7	s 24,9
Accel 80-120 Km/h 4/5 Gear	s 7,3 / - / -	s - / - / -	s 4,9 / - / -	s - / - / -
Weight ratio	kg/kW 9,0	kg/kW 9,1	kg/kW 6,9	kg/kW 6,9
Output per litre	kW/ltr 63,4	kW/ltr 63,4	kW/ltr 56,3	kW/ltr 56,3
Fuel consumption -EU urban-	ltr/100km 13,6	ltr/100km 14,2	ltr/100km 19,1	ltr/100km 17,2
Fuel consumption -EU extra-urban-	ltr/100km 7,3	ltr/100km 7,5	ltr/100km 9,3	ltr/100km 8,5
Fuel consumption KV01 / Range	ltr/100km / km 9,6 / 730	ltr/100km / km 9,9 / 705	ltr/100km / km 12,9 / 545	ltr/100km / km 11,7 / 600
CO2-emission -EU-	g/km 229	g/km 238	g/km 310	g/km 281
Tyre type -front-	- 245/50 R17 98W RSC	- 245/50 R17 98W RSC	- 245/45 R18 96W RSC	- 245/45 R18 96W RSC
Tyre type -rear-	- 245/50 R17 98W RSC	- 245/50 R17 98W RSC	- 245/45 R18 96W RSC	- 245/45 R18 96W RSC
Front rim	- 7,5 J x 17 Light alloy	- 7,5 J x 17 Light alloy	- 8 J x 18 Light alloy	- 8 J x 18 Light alloy
Rear rim	- 7,5 J x 17 Light alloy	- 7,5 J x 17 Light alloy	- 8 J x 18 Light alloy	- 8 J x 18 Light alloy
Wheel offset -front/rear-	mm 14 / 14	mm 14 / 14	mm 14 / 14	mm 14 / 14
Radiator incl. heater / Engine oil exchange quantity	ltr 8,9 / 6,5	ltr 9,4 / 6,5	ltr 14,2 / 8	ltr 14,2 / 8
Transmission fluid -exchange quantity-	ltr Permanent filling	ltr Permanent filling	ltr Permanent filling (1,8)	ltr Permanent filling
Battery capacity / installed position	Ah/- 90 / Luggage comp.	Ah/- 90 / Luggage comp.	Ah/- 90 / Luggage comp.	Ah/- 90 / Luggage comp.
Alternator output rating	A/W 155 / 2170	A/W 155 / 2170	A/W 170 / 2380	A/W 170 / 2380