

Technical Data - MINI Coupé (R58)

		MINI Cooper	MINI Cooper	MINI Cooper S	MINI Cooper S	MINI Cooper SD	MINI Cooper SD	John Cooper Works
Engine Platform		N16B16M0 M6	N16B16M0 A6	N18B16M0 M6	N18B16M0 A6	N47C20U1 M6	N47C20U1 A6	N14B16T0 M6
Transmission	-	2/2	2/2	2/2	2/2	2/2	2/2	2/2
No of doors / seats		2/2	2/2	2/2	2/2	2/2	2/2	2/2
Vehicle Length / Height -unloaded-	mm	3728 / 1378	3728 / 1378	3734 / 1384	3734 / 1384	3734 / 1384	3734 / 1384	3758 / 1385
Width excl. Door Mirrors	mm	1683	1683	1683	1683	1683	1683	1683
Width incl. Door Mirrors	mm	1892	1892	1892	1892	1892	1892	1892
Wheelbase / Turning Circle	mm / m	2467 / 10.7	2467 / 10.7	2467 / 10.7	2467 / 10.7	2467 / 10.7	2467 / 10.7	2467 / 10.7
Wheel Offset	mm	45 / 45	45 / 45	48 / 48	48 / 48	48 / 48	48 / 48	48 / 48
Track Front / Rear	mm	1459 / 1467	1459 / 1467	1453 / 1461	1453 / 1461	1453 / 1461	1453 / 1461	1453 / 1461
Overhang Front / Rear	mm	696 / 565	696 / 565	696 / 571	696 / 571	696 / 571	696 / 571	720 / 571
Ground Clearance -empty-	mm	139	139	130	130	139	139	130
Shoulder Width	mm	1278	1278	1278	1278	1278	1278	1278
Elbow Width	mm	1349	1349	1349	1349	1349	1349	1349
Eff. Head Room	mm	985 / 955	985 / 955	985 / 955	985 / 955	985 / 955	985 / 955	985 / 955
Luggage Capacity	m ³	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Fuel Tank Capacity	ltr	40	40	50	50	40	40	50
Curb Weight -acc DIN-	kg	1090 / 1165	1135 / 1210	1165 / 1240	1190 / 1265	1175 / 1250	1195 / 1270	1165 / 1240
Axle Load Ratio -unloaded DIN-	%	37.3	35.9	36.4	35.6	35.3	34.7	37.1
Gross Vehicle Weight / payload	kg	1380 / 290	1425 / 290	1455 / 290	1480 / 290	1465 / 290	1485 / 290	1455 / 290
Axle Load Limit Front / Rear	kg	820 / 590	855 / 590	870 / 605	895 / 605	890 / 600	905 / 600	865 / 610
Trailer Load Braked -12% / 8%-	kg	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Trailer Load Unbraked / Roof Load	kg	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Gross vehicle weight -trailer towing-	kg	-	-	-	-	-	-	-
Rear axle load limit -trailer towing-	kg	-	-	-	-	-	-	-
Trailer nose weight	kg	-	-	-	-	-	-	-
Engine Type / Cylinders / Valves per Cylinder	-	In Line / 4 / 4	In Line / 4 / 4	In Line / 4 / 4	In Line / 4 / 4	In Line / 4 / 4	In Line / 4 / 4	In Line / 4 / 4
Fuel Management	-	MEV 17.2	MEV 17.2	MED 17.2	MED 17.2	DDE 7.2.1	MED 7.2.1	MED 7.2.1
Effective Displacement	cm ³	1598	1598	1598	1598	1995	1995	1598
Stroke / Bore	mm	85.8 / 77.0	85.8 / 77.0	85.8 / 77.0	85.8 / 77.0	90.0 / 84.0	90.0 / 84.0	85.8 / 77.0
Nominal Power Output / Engine Speed	hp (kW) / 1/min	122 (90) / 6000	122 (90) / 6000	184 (135) / 5500 240 / 1600-5000	184 (135) / 5500 240 / 1600-5000 (Overboost: 260 / 1700-4500)	143 (105) / 4000	143 (105) / 4000	211 (155) / 6000
Max Torque / Engine Speed	Nm / 1/min	160 / 4250	160 / 4250	(Overboost: 260 / 1700-4500)	240 / 1600-5000 (Overboost: 260 / 1700-4500)	305 / 1750-2700	305 / 1750-2700	260 / 1850-5600 (Overboost: 280 / 2000-5100)
Compression Ratio / Fuel Type	-	11.0 / RON 91-98	11.0 / RON 91-98	10.5 / RON 91-98	10.5 / RON 91-98	16.5 / DIESEL	16.5 / DIESEL	10 / RON 91-98
Exhaust Emissions Classification	-	EU5	EU5	EU5	EU5	EU5	EU5	EU5
Gearbox Reference Code	-	GETRAG G255	AISIN F6 21	GETRAG G253	AISIN F6 21	GETRAG G253	AISIN F6 21	GETRAG G253
Gear Ratio 1st / 2nd / 3rd	-	3.214 / 1.792 / 1.194	4.148 / 2.370 / 1.556	3.308 / 2.130 / 1.483	4.044 / 2.371 / 1.556	3.308 / 1.870 / 1.194	4.044 / 2.371 / 1.556	3.308 / 2.130 / 1.483
Gear Ratio 4th / 5th / 6th	-	0.914 / 0.784 / 0.683	1.155 / 0.859 / 0.686	1.139 / 0.949 / 0.816	1.159 / 0.852 / 0.672	0.872 / 0.721 / 0.596	1.159 / 0.852 / 0.672	1.139 / 0.949 / 0.816
Reverse Ratio	-	3.143	3.394	3.231	3.193	3.231	3.193	3.231
Final Drive Ratio	-	4.35	4.10	3.71	3.68	3.71	3.68	3.65
Steering Type / Ratio	-	EPS / 14.1	EPS / 14.1	EPS / 14.1	EPS / 14.1	EPS / 14.1	EPS / 14.1	EPS / 14.1
Brake Front / Diameter	- / mm	Ventilated Disc / 280	Ventilated Disc / 280	Ventilated Disc / 294	Ventilated Disc / 294	Ventilated Disc / 294	Ventilated Disc / 294	Ventilated Disc / 316
Brake Rear / Diameter	- / mm	Disc / 259	Disc / 259	Disc / 259	Disc / 259	Disc / 259	Disc / 259	Disc / 280
Drag Cd / A / Cd x A	- / m ² / m ²	0.32 / 1.98 / 0.63	0.32 / 1.97 / 0.63	0.36 / 1.97 / 0.71	0.36 / 1.97 / 0.71	0.35 / 1.98 / 0.69	0.35 / 1.98 / 0.69	0.35 / 1.97 / 0.69
Top Speed	mph / km/h	127 / 204	123 / 198	143 / 230	139 / 224	134 / 216	128 / 206	149 / 240
Acceleration 0-62mph (0-100km/h)	s	9.0	10.3	6.9	7.1	7.9	8.2	6.4
Acceleration 0-1000m	s	30.1	31.2	27.2	27.4	29.0	29.4	26.1
Acceleration 50-75mph (80-120km/h) 4th / 5th Gear	s	9.4 / 11.9	- / -	5.5 / 6.9	- / -	6.5 / 7.7	- / -	5.1 / 6.1
Weight Ratio	kg/kW	12.1	12.6	8.6	8.8	11.2	11.4	7.5
Output Per Litre	kW/ltr	56.3	56.3	84.5	84.5	52.6	52.6	97.0
Fuel Consumption -urban-	mpg / l/100km	40.9 / 6.9	32.5 / 8.7	38.7 / 7.3	31.7 / 8.9	55.4 / 5.1	40.9 / 6.9	30.1 / 9.4
Fuel Consumption -extra urban-	mpg / l/100km	61.4 / 4.6	55.4 / 5.1	56.5 / 5.0	56.5 / 5.0	72.4 / 3.9	65.7 / 4.3	48.7 / 5.8
Fuel Consumption -combined-	mpg / l/100km	52.3 / 5.4	44.1 / 6.4	48.7 / 5.8	44.1 / 6.4	65.7 / 4.3	53.7 / 5.3	39.8 / 7.1
Range at Fuel Consumption-combined-	miles / km	460 / 740	388 / 625	534 / 860	485 / 780	578 / 930	469 / 755	438 / 705
CO ₂ Emissions -EU-	g/km	127	150	136	149	114	139	165
Tyre Size -front-	-	175/65 R15 84H	175/65 R15 84H	195/55 R16 87V	195/55 R16 87V	195/55 R16 87V	195/55 R16 87V	205/45 R17 84W RSC
Tyre Size -rear-	-	175/65 R15 84H	175/65 R15 84H	195/55 R16 87V	195/55 R16 87V	195/55 R16 87V	195/55 R16 87V	205/45 R17 84W RSC
Wheel Size -front-	-	5.5J x 15 Light Alloy	5.5J x 15 Light Alloy	6.5J x 16 Light Alloy	6.5J x 16 Light Alloy	6.5J x 16 Light Alloy	6.5J x 16 Light Alloy	7J x 17 Light Alloy
Wheel Size -rear-	-	5.5J x 15 Light Alloy	5.5J x 15 Light Alloy	6.5J x 16 Light Alloy	6.5J x 16 Light Alloy	6.5J x 16 Light Alloy	6.5J x 16 Light Alloy	7J x 17 Light Alloy
Radiator incl. Heater Capacity	ltr	7.5	7.5	7.5	7.5	7	7	7.5
Engine Oil Replacement Capacity	ltr	4.2	4.2	4.2	4.2	5	5	4.2
Gearbox Fluid Replacement Capacity	ltr	Permanent Filling	Permanent Filling	Permanent Filling	Permanent Filling	Permanent Filling	Permanent Filling	Permanent Filling
Battery Capacity / Installed Position	Ah / -	55 / Engine Bay	55 / Engine Bay	55 / Engine Bay	55 / Engine Bay	70 / Engine Bay	70 / Engine Bay	55 / Engine Bay
Alternator Output rating	A/W	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100