

Technical Data - MINI Hatch



		MINI Cooper S	MINI Cooper S Auto	MINI Cooper SD	MINI Cooper SD Auto	John Cooper Works
Engine Platform		N18B16M0	N18B16M0	N47C20U1	N47C20U1	N14B16T0
Transmission		M6	A6	M6	A6	M6
No of doors / seats	-	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
Vehicle Length / Height (with antenna) -unloaded-	mm	3729 / 1407 (1430)	3729 / 1407 (1430)	3729 / 1407 (1430)	3729 / 1407 (1430)	3730 / 1407 (1430)
Width excl. Door Mirrors	mm	1683	1683	1683	1683	1683
Width incl. Door Mirrors	mm	1913	1913	1913	1913	1913
Wheelbase / Turning Circle	mm / m	2467 / 10.7	2467 / 10.7	2467 / 10.7	2467 / 10.7	2467 / 10.7
Wheel Offset	mm	48 / 48	48 / 48	48 / 48	48 / 48	48 / 48
Track Front / Rear	mm	1453 / 1461	1453 / 1461	1453 / 1461	1453 / 1461	1453 / 1461
Overhang Front / Rear	mm	691 / 571	691 / 571	691 / 571	691 / 571	692 / 571
Ground Clearance -empty-	mm	130	130	139	139	130
Shoulder Width Front / Rear	mm	1278 / 1136	1278 / 1136	1278 / 1136	1278 / 1136	1278 / 1136
Elbow Width Front / Rear	mm	1349 / 1128	1349 / 1128	1349 / 1128	1349 / 1128	1349 / 1128
Eff. Head Room Front / Rear	mm	985 / 955	985 / 955	985 / 955	985 / 955	985 / 955
Luggage Capacity	m ³	0.160 - 0.680	0.160 - 0.680	0.160 - 0.680	0.160 - 0.680	0.160 - 0.680
Fuel Tank Capacity	ltr	50	50	40	40	50
Curb Weight -acc DIN-	kg	1140 / 1215	1165 / 1240	1150 / 1225	1170 / 1245	1140 / 1215
Axle Load Ratio -unloaded DIN-	%	36.8	36.1	35.7	35.0	37.7
Gross Vehicle Weight / payload	kg	1590 / 450	1615 / 450	1600 / 450	1620 / 450	1590 / 450
Axle Load Limit Front / Rear	kg	865 / 745	890 / 745	890 / 735	910 / 735	860 / 750
Trailer Load Braked -12% / 8%-	kg	- / -	- / -	- / -	- / -	- / -
Trailer Load Unbraked / Roof Load	kg	- / 75	- / 75	- / 75	- / 75	- / 75
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
Fuel Management	-	MED 17.2	MED 17.2	DDE 7.2.1	DDE 7.2.1	MED 17.2
Effective Displacement	cm ³	1598	1598	1995	1995	1598
Stroke / Bore	mm	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	184 (135) / 5500	184 (135) / 5500	143 (105) / 4000	143 (105) / 4000	211 (155) / 6000
Max Torque / Engine Speed	Nm / 1/min	240 / 1600-5000 (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	-	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
Gearbox Reference Code	-	GETRAG G253	AISIN F6 21	GETRAG G253	AISIN F6 21	GETRAG G253
Gear Ratio 1st / 2nd / 3rd	-	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	-	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	-	3.231	3.193	3.231	3.193	3.231
Final Drive Ratio	-	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
Brake Front / Diameter	- / mm	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 / 280
Drag Cd / A / Cd x A	- / m ² / m ²	0.36 / 1.99 / 0.72	0.36 / 1.99 / 0.72	0.36 / 2.01 / 0.72	0.36 / 2.01 / 0.72	0.36 / 1.99 / 0.72
Top Speed	mph / km/h	142 / 228	139 / 223	134 / 215	127 / 205	148 / 238
Acceleration 0-62mph (0-100km/h)	s	7.0	7.2	8.1	8.4	6.5
Acceleration 0-1000m	s	27.3	27.5	29.2	29.6	26.3
Acceleration 50-75mph (80-120km/h) 4th / 5th / 6th	s	5.6 / 7.0 / -	- / - / -	6.6 / 7.8 / -	- / - / -	5.2 / 6.2 / -
Weight Ratio	kg/kW	8.4	8.6	10.9	11.1	7.4
Output Per Litre	kW/ltr	84.5	84.5	52.8	52.8	97.0
Fuel Consumption -urban-	mpg / l/100km	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	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	48.7 / 5.8	44.1 / 6.4	65.7 / 4.3	53.3 / 5.3	39.8 / 7.1
Range at Fuel Consumption-combined-	miles / km	534 / 860	485 / 780	578 / 930	469 / 755	438 / 705
CO ₂ Emissions -EU-	g/km	136	149	114	139	165
Tyre Size -front-	-	195/55 R16 87V	195/55 R16 87V	195/55 R16 87V	195/55 R16 87V	205/45 R17 84W RSC
Tyre Size -rear-	-	195/55 R16 87V	195/55 R16 87V	195/55 R16 87V	195/55 R16 87V	205/45 R17 84W RSC
Wheel Size -front-	-	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-	-	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	5.2	5.2	5.2	5.2	5.2
Engine Oil Replacement Capacity	ltr	4.2	4.2	4.2	4.2	4.2
Gearbox Fluid Replacement Capacity	ltr	Permanent Filling	Permanent Filling	Permanent Filling	Permanent Filling	Permanent Filling
Battery Capacity / Installed Position	Ah / -	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