

Technical Data - MINI Convertible



		MINI One Convertible	MINI One Convertible Auto	MINI Cooper Convertible	MINI Cooper Convertible Auto	MINI Cooper D Convertible	MINI Cooper D Convertible Auto
Engine Platform		N16B16UO	N16B16UO	N16B16M0	N16B16M0	N47C16U1	N47C20K1
Transmission		M6	A6	M6	A6	M6	A6
No of doors / seats	-	2 / 4	2 / 4	2 / 4	2 / 4	2/4	2/4
Vehicle Length / Height -unloaded-	mm	3723 / 1414	3723 / 1414	3723 / 1414	3723 / 1414	3723 / 1414	3723 / 1414
Width excl. Door Mirrors	mm	1683	1683	1683	1683	1683	1683
Width incl. Door Mirrors	mm	1913	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	2467 / 10.7
Wheel Offset	mm	45 / 45	45 / 45	45 / 45	45 / 45	45 / 45	45 / 45
Track Front / Rear	mm	1459 / 1467	1459 / 1467	1459 / 1467	1459 / 1467	1459 / 1467	1459 / 1467
Overhang Front / Rear	mm	691 / 565	691 / 565	691 / 565	691 / 565	691 / 565	691 / 565
Ground Clearance -empty-	mm	139	139	139	139	139	139
Shoulder Width Front / Rear	mm	1278 / 996	1278 / 996	1278 / 996	1278 / 996	1278 / 996	1278 / 996
Elbow Width Front / Rear	mm	1349 / 1128	1349 / 1128	1349 / 1128	1349 / 1128	1349 / 1128	1349 / 1128
Eff. Head Room Front / Rear	mm	976 / 978	976 / 978	976 / 978	976 / 978	976 / 978	976 / 978
Luggage Capacity Roof Down / Roof Up	m ³	0.125 / 0.170-0.660	0.125 / 0.170-0.660	0.125 / 0.170-0.660	0.125 / 0.170-0.660	0.125 / 0.170-0.660	0.125 / 0.170-0.660
Fuel Tank Capacity	ltr	40	40	40	40	40	40
Curb Weight -acc DIN-	kg	1160 / 1235	1200 / 1275	1165 / 1240	1205 / 1280	1200 / 1275	1225 / 1300
Axle Load Ratio -unloaded DIN-	%	40.6	39.1	40.3	39.1	38.8	38.8
Gross Vehicle Weight / payload	kg	1590 / 430	1630 / 430	1595 / 430	1635 / 430	1630 / 430	1655 / 430
Axle Load Limit Front / Rear	kg	840 / 775	880 / 775	845 / 775	880 / 780	875 / 775	905 / 770
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
Fuel Management	-	MEV 17.2	MEV 17.2	MEV 17.2	MEV 17.2	DDE 7.01	DDE 7.21
Effective Displacement	cm ³	1598	1598	1598	1598	1598	1995
Stroke / Bore	mm	85.8 / 77	85.8 / 77	85.8 / 77	85.8 / 77	83.6 / 78	90 / 84
Nominal Power Output / Engine Speed	hp (kW) / 1/min	98 (72) / 6000	98 (72) / 6000	122 (90) / 6000	122 (90) / 6000	112 (82) / 4000	112 (82) / 4000
Max Torque / Engine Speed	Nm / 1/min	153 / 3000	153 / 3000	160 / 4250	160 / 4250	270 / 1750-2250	270 / 1750-2250
Compression Ratio / Fuel Type	-	11.0 / ROZ 91-98	11.0 / ROZ 91-98	11.0 / ROZ 91-98	11.0 / ROZ 91-98	16.5 / Diesel	16.5 / Diesel
Exhaust Emissions Classification	-	EU5	EU5	EU5	EU5	EU5	EU5
Gearbox Reference Code	-	GETRAG G255	AISIN F6 21	GETRAG G255	AISIN F6 21	GETRAG G253w	AISIN F6 21
Gear Ratio 1st / 2nd / 3rd	-	3.214 / 1.792 / 1.194	4.148 / 2.370 / 1.556	3.214 / 1.792 / 1.194	4.148 / 2.370 / 1.556	3.308 / 1.870 / 1.194	4.044 / 2.371 / 1.556
Gear Ratio 4th / 5th / 6th	-	0.914 / 0.784 / 0.683	1.155 / 0.859 / 0.686	0.914 / 0.784 / 0.683	1.155 / 0.859 / 0.686	0.872 / 0.721 / 0.596	1.159 / 0.852 / 0.672
Reverse Ratio	-	3.143	3.394	3.143	3.394	3.231	3.193
Final Drive Ratio	-	3.706	4.103	4.353	4.103	3.474	3.683
Steering Type / Ratio	-	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 / 280	Ventilated Disc / 280	Ventilated Disc / 280	Ventilated Disc / 280
Brake Rear / Diameter	- / mm	Disc / 259	Disc / 259	Disc / 259	Disc / 259	Disc / 259	Disc / 259
Drag Cd / A / Cd x A	- / m ² / m ²	0.35 / 2.00 / 0.70	0.35 / 2.00 / 0.70	0.35 / 2.00 / 0.70	0.35 / 2.00 / 0.70	0.35 / 2.01 / 0.70	0.35 / 2.01 / 0.70
Top Speed	mph / km/h	112 / 181	108 / 174	123 / 198	119 / 191	121 / 194	118 / 190
Acceleration 0-62mph (0-100km/h)	s	11.3	13.1	9.8	11.1	10.3	10.7
Acceleration 0-1000m	s	32.6	34.8	31.0	32.1	32.4	32.8
Acceleration 50-75mph (80-120km/h) 4th / 5th Gear	s	13.4 / 17.1 / -	- / -	10.5 / 13.3	- / -	8.1 / 9.9	- / -
Weight Ratio	kg/kW	16.1	16.7	12.9	13.4	14.6	14.9
Output Per Litre	kW/ltr	45.1	45.1	56.3	56.3	51.3	41.1
Fuel Consumption -urban-	mpg / l/100km	37.2 / 7.6	31.7 / 8.9	39.2 / 7.2	31.7 / 8.9	62.8 / 4.5	40.4 / 7.0
Fuel Consumption -extra urban-	mpg / l/100km	61.4 / 4.6	53.3 / 5.3	57.6 / 4.9	53.3 / 5.3	76.3 / 3.7	65.7 / 4.3
Fuel Consumption -combined-	mpg / l/100km	49.6 / 5.7	42.8 / 6.6	49.6 / 5.7	42.8 / 6.6	70.6 / 4.0	53.3 / 5.3
Range at Fuel Consumption-combined-	miles / km	435 / 700	376 / 605	435 / 700	376 / 605	621 / 1000	469 / 755
CO ₂ Emissions -EU-	g/km	133	154	133	154	105	140
Tyre Size -front-	-	175/65 R15 84H	175/65 R15 84H	175/65 R15 84H	175/65 R15 84H	175/65 R15 84H	175/65 R15 84H
Tyre Size -rear-	-	175/65 R15 84H	175/65 R15 84H	175/65 R15 84H	175/65 R15 84H	175/65 R15 84H	175/65 R15 84H
Wheel Size -front-	-	5.5J x 15 Steel	5.5J x 15 Steel	5.5J x 15 Light Alloy	5.5J x 15 Light Alloy	5.5J x 15 Light Alloy	5.5J x 15 Light Alloy
Wheel Size -rear-	-	5.5J x 15 Steel	5.5J x 15 Steel	5.5J x 15 Light Alloy	5.5J x 15 Light Alloy	5.5J x 15 Light Alloy	5.5J x 15 Light Alloy
Radiator incl. Heater Capacity	ltr	5.2	5.2	5.2	5.2	5.2	5.2
Engine Oil Replacement Capacity	ltr	4.2	4.2	4.2	4.2	5.2	5.2
Gearbox Fluid Replacement Capacity	ltr	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
Alternator Output Rating	A/W	154 / 2156	154 / 2156	154 / 2156	154 / 2156	154 / 2156	154 / 2156

Technical Data - MINI Convertible



		MINI Cooper S Convertible	MINI Cooper S Convertible Auto	MINI Cooper SD Convertible	MINI Cooper SD Convertible Auto	MINI John Cooper Works Convertible
Engine Platform		N18B16MO	N18B16MO	N47C20U1	N47C20U1	N14B16TO
Transmission		M6	A6	M6	A6	M6
No of doors / seats	-	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4
Vehicle Length / Height -unloaded-	mm	3729 / 1414	3729 / 1414	3729 / 1414	3729 / 1414	3730 / 1414
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	692 / 571	692 / 571
Ground Clearance -empty-	mm	130	130	130	130	130
Shoulder Width Front / Rear	mm	1278 / 996	1278 / 996	1278 / 996	1278 / 996	1278 / 996
Elbow Width Front / Rear	mm	1349 / 1128	1349 / 1128	1349 / 1128	1349 / 1128	1349 / 1128
Eff. Head Room Front / Rear	mm	976 / 978	976 / 978	976 / 978	976 / 978	976 / 978
Luggage Capacity Roof Down / Roof Up	m ³	0.125 / 0.170-0.660	0.125 / 0.170-0.660	0.125 / 0.170-0.660	0.125 / 0.170-0.660	0.125 / 0.170-0.660
Fuel Tank Capacity	ltr	50	50	40	40	50
Curb Weight -acc DIN-	kg	1230 / 1305	1255 / 1330	1250 / 1325	1265 / 1340	1230 / 1305
Axle Load Ratio -unloaded DIN-	%	39.1	38.5	38.4	37.5	39.9
Gross Vehicle Weight / payload	kg	1660 / 430	1685 / 430	1680 / 430	1695 / 430	1660 / 430
Axle Load Limit Front / Rear	kg	885 / 795	905 / 795	905 / 790	925 / 790	875 / 800
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
Fuel Management	-	MED 17.2	MED 17.2	DDE 7.21	DDE 7.21	MED 17.2
Effective Displacement	cm ³	1598	1598	1995	1995	1598
Stroke / Bore	mm	85.8 / 77	85.8 / 77	90 / 84	90 / 84	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 / ROZ 91-98	10.5 / ROZ 91-98	16.5 / Diesel	16.5 / Diesel	10 / ROZ 91-98
Exhaust Emissions Classification	-	EU5	EU5	EU5	EU5	EU5
Gearbox Reference Code	-	GETRAG G253	AISIN F6 21	GETRAG G253	GETRAG G253	GETRAG G253
Gear Ratio 1st / 2nd / 3rd	-	3.308 / 2.130 / 1.483	4.044 / 2.371 / 1.556	3.308 / 2.130 / 1.483	4.044 / 2.371 / 1.556	3.308 / 2.130 / 1.483
Gear Ratio 4th / 5th / 6th	-	1.139 / 0.949 / 0.816	1.139 / 0.852 / 0.672	1.139 / 0.949 / 0.816	1.139 / 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	-	3.706	3.683	3.706	3.683	3.647
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	0.37 / 2.00 / 0.74	0.37 / 2.00 / 0.74	0.37 / 2.02 / 0.75	0.37 / 2.02 / 0.75	0.37 / 2.00 / 0.74
Top Speed	mph / km/h	140 / 225	137 / 220	130 / 210	126 / 203	146 / 235
Acceleration 0-62mph (0-100km/h)	s	7.3	7.6	8.7	8.9	6.9
Acceleration 0-1000m	s	27.7	28	29.8	30.2	26.8
Acceleration 50-75mph (80-120km/h) 4th / 5th Gear	s	6.2 / 7.9	- / -	7.1 / 8.6	- / -	5.7 / 6.8
Weight Ratio	kg/kW	9.1	9.3	5.3	7.1	7.9
Output Per Litre	kW/ltr	84.5	84.5	52.6	52.6	97.0
Fuel Consumption -urban-	mpg / l/100km	37.7 / 7.5	31.0 / 9.1	53.3 / 5.3	39.8 / 7.1	29.4 / 9.6
Fuel Consumption -extra urban-	mpg / l/100km	55.4 / 5.1	55.4 / 5.1	70.6 / 4.0	64.2 / 4.4	47.9 / 5.9
Fuel Consumption -combined-	mpg / l/100km	47.1 / 6.0	42.8 / 6.6	62.8 / 4.5	52.3 / 5.4	38.7 / 7.3
Range at Fuel Consumption-combined-	miles / km	519 / 835	472 / 760	553 / 890	460 / 740	426 / 685
CO ₂ Emissions -EU-	g/km	139	153	118	143	169
Tyre Size -front-	-	195/55 R16 87V	195/55R16 87V	195/55 R16 87V	195/55 R16 87V	205/45 R17 84W RSC
Tyre Size -rear-	-	195/55 R16 87V	195/55R16 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	5.4	5.4	5.2
Engine Oil Replacement Capacity	ltr	4.2	4.2	5.2	5.2	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	154 / 2156	154 / 2156	154 / 2156	154 / 2156	154 / 2156