

Technical Data - US.
MINI (R56).

-for internal use only-

		CooperS	CooperS	John Cooper Works	John Cooper Works	Cooper	Cooper
Engine type		N18B16M0	N18B16M0	N18B16T0	N18B16T0	N16B16M0	N16B16M0
Transmission type		automatic transmission 6	manual transmission 6	automatic transmission 6	manual transmission 6	automatic transmission 6	manual transmission 6
No of Doors / Seats	/	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
Veh. length	mm / inch	3729 / 146.8	3729 / 146.8	/	/	3723 / 146.6	3723 / 146.6
Veh. width	mm / inch	1683 / 66.3	1683 / 66.3	1683 / 66.3	1683 / 66.3	1683 / 66.3	1683 / 66.3
Veh. height	mm / inch	1407 / 55.4	1407 / 55.4	1407 / 55.4	1407 / 55.4	1407 / 55.4	1407 / 55.4
Wheelbase	mm / inch	2467 / 97.1	2467 / 97.1	2467 / 97.1	2467 / 97.1	2467 / 97.1	2467 / 97.1
Turning circle	m / ft	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1
Ground clearance	mm / inch	130 / 5.1	130 / 5.1	130 / 5.1	130 / 5.1	139 / 5.5	139 / 5.5
Shoulder width front	mm / inch	1278 / 50.3	1278 / 50.3	1278 / 50.3	1278 / 50.3	1278 / 50.3	1278 / 50.3
Shoulder width rear	mm / inch	1136 / 44.7	1136 / 44.7	1136 / 44.7	1136 / 44.7	1136 / 44.7	1136 / 44.7
Legroom front	mm / inch	1059 / 41.7	1059 / 41.7	1059 / 41.7	1059 / 41.7	1059 / 41.7	1059 / 41.7
Legroom rear	mm / inch	708 / 27.9	708 / 27.9	708 / 27.9	708 / 27.9	708 / 27.9	708 / 27.9
Max. headroom front	mm / inch	985 / 38.8	985 / 38.8	985 / 38.8	985 / 38.8	985 / 38.8	985 / 38.8
Max. headroom rear	mm / inch	955 / 37.6	955 / 37.6	955 / 37.6	955 / 37.6	955 / 37.6	955 / 37.6
Luggage comp. capacity (official)	m³ / ft³	0,160-0,680 / 5,7-24,0	0,160-0,680 / 5,7-24,0	0,160-0,680 /	0,160-0,680 /	0,160-0,680 / 5,7-24,0	0,160-0,680 / 5,7-24,0
Luggage vol. (SAE) - only for homologation	ft³						
Fuel tank capacity	liters / gal	50 / 13.2	50 / 13.2	50 / 13.2	50 / 13.2	50 / 13.2	50 / 13.2
Curb weight (US)	Kg / lbs	1230 / 2712	1210 / 2668	1235 / 2723	1215 / 2679	1185 / 2612	1150 / 2535
Weight distribution (empty car)	%	36.6	37.2	37.2	37.9	38.4	39.6
Gross veh. weight	Kg / lbs	1605 / 3538	1585 / 3494	1620 / 3571	1600 / 3527	1570 / 3461	1535 / 3384
Payload	Kg / lbs	370 / 816	370 / 816	370 / 816	370 / 816	370 / 816	370 / 816
Axle load limit front	Kg / lbs	890 / 1962	870 / 1918	895 / 1973	875 / 1929	865 / 1907	830 / 1830
Axle load limit rear	Kg / lbs	755 / 1664	755 / 1664	760 / 1676	760 / 1676	755 / 1664	755 / 1664
Roof load	Kg / lbs	75 / 165	75 / 165	/	/	75 / 165	75 / 165
Engine type / Cylinders / Valves p.cyl.		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		MED 1722	MED 1722	MEVD 1727	MEVD 1727	MEV 1722	MEV 1722
Injection technique / Charging Type		DI2 / TwinPower Turbo	DI2 / TwinPower Turbo	DI2 / TwinPower Turbo	DI2 / TwinPower Turbo	VVT / -	VVT / -
Displacement	cm³ / inch	1598 / 98	1598 / 98	1598 / 98	1598 / 98	1598 / 98	1598 / 98
Stroke	mm / inch	85.8 / 3.4	85.8 / 3.4	85.8 / 3.4	85.8 / 3.4	85.8 / 3.4	85.8 / 3.4
Bore	mm / inch	77 / 3	77 / 3	77 / 3	77 / 3	77 / 3	77 / 3
Engine power / at rpm	gHP / 1/min	181 / 5500	181 / 5500	208 / 6000	208 / 6000	121 / 6000	121 / 6000
Engine torque / at rpm	ft lbs (Nm) / 1/min	77 (240) (Overboost: 260Nm/1730-4500 1/min) / 1600-5000	77 (240) (Overboost: 260Nm/1730-4500 1/min) / 1600-5000	92 (260) (Overboost: 280Nm/2000-5100 1/min) / 1750-5500	92 (260) (Overboost: 280Nm/2000-5100 1/min) / 1750-5500	114 (155) / 4250	114 (155) / 4250
Compression rate / Fuel type (recomm.)	/	10.5 / ROZ91-98 (ROZ95)	10.5 / ROZ91-98 (ROZ95)	10.5 / ROZ91-98 (ROZ95)	10.5 / ROZ91-98 (ROZ95)	11 / ROZ91-98 (ROZ95)	11 / ROZ91-98 (ROZ95)
Type of gearbox		F6 21	G253	F6 21 TU	G253 TU	F6 21	G255
Gear ratios 1st gear / 2nd / 3rd / 4th	/ / / /	4.044 / 2.371 / 1.556 / 1.159	3.308 / 2.13 / 1.483 / 1.139	4.044 / 2.371 / 1.556 / 1.159	3.308 / 2.13 / 1.483 / 1.139	4.148 / 2.37 / 1.556 / 1.155	3.214 / 1.792 / 1.194 / 0.914
5th / Gear ratio V1 / 7th / 8th	/ / /	0.852 / 0.672 / /	0.949 / 0.816 / /	0.852 / 0.672 / /	0.949 / 0.816 / /	0.859 / 0.686 / /	0.784 / 0.683 / /
Reverse gear		3.193	3.231	3.193	3.231	3.394	3.143
Final drive		3.683	3.647	3.683	3.706	4.103	4.353
Steering type / Steering transmission, over	/ : 1	rack-and-pinion (EPS) / 14.1	rack-and-pinion (EPS) / 14.1	rack-and-pinion (EPS) / 14.1	rack-and-pinion (EPS) / 14.1	rack-and-pinion (EPS) / 14.1	rack-and-pinion (EPS) / 14.1
Front brake // diameter	- // mm / inch	disc ventilated // 294 / 11.6	disc ventilated // 294 / 11.6	disc ventilated // /	disc ventilated // /	disc ventilated // 280 / 11	disc ventilated // 280 / 11
Rear brake // diameter	- // mm / inch	disc // 259 / 10.2	disc // 259 / 10.2	disc // /	disc // /	disc // 259 / 10.2	disc // 259 / 10.2
Cx // A	// m² / ft²	0.36 // 1.99 / 21.42	0.36 // 1.99 / 21.42	0.36 // 1.99 / 21.42	0.36 // 1.99 / 21.42	0.33 // 1.99 / 21.42	0.33 // 1.99 / 21.42
Air resistance	m² / ft²	0.72 / 7.71	0.72 / 7.71	0.72 / 7.71	0.72 / 7.71	0.66 / 7.07	0.66 / 7.07
Top speed	Kmh / mph	223 / 139	227 / 141	236 / 147	238 / 148	196 / 122	203 / 126
Top speed optional	Kmh / mph	/	/	/	/	/	/
Acceleration 0-60 mph	s	6.8	6.6	6.4	6.2	9.6	8.4
Acceleration 0-100Km/h	s	7.2	7	6.7	6.5	10.3	9
Acceleration 0-1000m	s	27.6	27.4	26.4	26.2	31.6	30.5
Fuel cons. city (official EPA)	mpg	26	27			28	29
Fuel cons. highway (official EPA)	mpg	34	35			36	37
Fuel cons. combined (official EPA)	mpg	29	30			31	32
Fuel cons. city (acc. FTP)	mpg / L/100Km	33 / 7.1	34.5 / 6.8	/	/	36 / 6.5	38.1 / 6.2
Fuel cons. highway (acc. FTP)	mpg / L/100Km	47.8 / 4.9	50.2 / 4.7	/	/	51.6 / 4.6	53 / 4.4
Fuel cons. combined (acc. FTP)	mpg / L/100Km	38.4 / 6.1	40.2 / 5.8	/	/	41.7 / 5.6	43.6 / 5.4
Range	miles	506.9	530.6			550.4	575.5
Front tyres		195/55R16 87V AS	195/55R16 87V AS	205/45 R17 84W	205/45 R17 84W	175/65R15 84H	175/65R15 84H
Rear tyres		195/55R16 87V AS	195/55R16 87V AS	205/45 R17 84W	205/45 R17 84W	175/65R15 84H	175/65R15 84H
Front rims		6,5J x 16 LM	6,5J x 16 LM	7J x 17 LM	7J x 17 LM	5,5J x 15 LM	5,5J x 15 LM
Rear rims		6,5J x 16 LM	6,5J x 16 LM	7J x 17 LM	7J x 17 LM	5,5J x 15 LM	5,5J x 15 LM
Run flat tyres		yes	yes	yes	yes	no	no
Track front	mm / inch	1453 / 57.2	1453 / 57.2	1453 / 57.2	1453 / 57.2	1459 / 57.4	1459 / 57.4
Track rear	mm / inch	1461 / 57.5	1461 / 57.5	1461 / 57.5	1461 / 57.5	1467 / 57.8	1467 / 57.8
Wheel offset front / rear	mm / mm	48 / 48	48 / 48	48 / 48	48 / 48	45 / 45	45 / 45
Cooling system incl. Heater / Engine oil (filling)	liters/quarts // L/q.	7.5/7.9 // 4.2/4.4	7.5/7.9 // 4.2/4.4	7.5/7.9 // 4.2/4.4	7.5/7.9 // 4.2/4.4	7.5/7.9 // 4.2/4.4	7.5/7.9 // 4.2/4.4
Transmission fluid		permanent	permanent	permanent	permanent	permanent	permanent
Battery / Battery position	Ah /	55 / engine compartement	55 / engine compartement	70 / engine compartement	70 / engine compartement	55 / engine compartement	55 / engine compartement
Alternator	A / W	150 / 2100	150 / 2100	120 / 1680	120 / 1680	150 / 2100	150 / 2100
		SV33	SV33	SU93	SU93	SU33	SU33

** exchange quantity