

Technical Data - US.
MINI Convertible (R57).

-for internal use only-

		Cooper S Convertible	CooperS Convertible	John Cooper Works Convertible	John Cooper Works Convertible	Cooper Convertible	Cooper Convertible
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	/	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4	2 / 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	1414 / 55.7	1414 / 55.7	1414 / 55.7	1414 / 55.7	1414 / 55.7	1414 / 55.7
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	996 / 39.2	996 / 39.2	996 / 39.2	996 / 39.2	996 / 39.2	996 / 39.2
Legroom front	mm / inch	1060 / 41.7	1060 / 41.7	1060 / 41.7	1060 / 41.7	1060 / 41.7	1060 / 41.7
Legroom rear	mm / inch	744 / 29.3	744 / 29.3	744 / 29.3	744 / 29.3	744 / 29.3	744 / 29.3
Max. headroom front	mm / inch	976 / 38.4	976 / 38.4	976 / 38.4	976 / 38.4	976 / 38.4	976 / 38.4
Max. headroom rear	mm / inch	978 / 38.5	978 / 38.5	978 / 38.5	978 / 38.5	978 / 38.5	978 / 38.5
Luggage comp. capacity (official)	m³ / ft³	0,125/0,170-0,660 / 6,0-23,3	0,125/0,170-0,660 / 6,0-23,3	0,125/0,170-0,660 /	0,125/0,170-0,660 /	0,125/0,170-0,660 / 6,0-23,3	0,125/0,170-0,660 / 6,0-23,3
Luggage vol. (SAE) - only for homologation	ft³	6	6			6	6
Fuel tank capacity	liter / gal	50 / 13.2	50 / 13.2	50 / 13.2	50 / 13.2	50 / 13.2	50 / 13.2
Curb weight (US)	Kg / lbs	1295 / 2855	1275 / 2811	1300 / 2866	1280 / 2822	1260 / 2778	1225 / 2701
Weight distribution (empty car)	%	38.6	39.2	38.8	39.5	39.7	40.8
Gross veh. weight	Kg / lbs	1695 / 3737	1665 / 3671	1700 / 3748	1680 / 3704	1650 / 3638	1615 / 3560
Payload	Kg / lbs	370 / 816	370 / 816	370 / 816	370 / 816	370 / 816	370 / 816
Axle load limit front	Kg / lbs	915 / 2017	885 / 1951	915 / 2017	895 / 1973	880 / 1940	845 / 1863
Axle load limit rear	Kg / lbs	810 / 1786	810 / 1786	815 / 1797	815 / 1797	810 / 1786	810 / 1786
Roof load	Kg / lbs	0 / 0	0 / 0	/	/	/	/
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	0.37 // 2 / 21.53	0.37 // 2 / 21.53	0.37 // 2 / 21.53	0.37 // 2 / 21.53	0.35 // 2 / 21.53	0.35 // 2 / 21.53
Air resistance	m² / ft²	0.74 / 7.97	0.74 / 7.97	0.74 / 7.97	0.74 / 7.97	0.7 / 7.54	0.7 / 7.54
Top speed	Kmh / mph	220 / 137	225 / 140	233 / 145	235 / 146	191 / 119	198 / 123
Top speed optional	Kmh / mph	/	/	/	/	/	/
Acceleration 0-60 mph	s	7	6.8	6.8	6.6	10.2	8.9
Acceleration 0-100Km/h	s	7.4	7.2	7.1	6.9	10.8	9.6
Acceleration 0-1000m	s	27.7	27.8	26.9	26.6	31.9	30.9
Fuel cons. city (official EPA)	mpg	26	27			27	27
Fuel cons. highway (official EPA)	mpg	34	35			35	35
Fuel cons. combined (official EPA)	mpg	29	30			30	30
Fuel cons. city (acc. FTP)	mpg / L/100Km	33 / 7.1	34.5 / 6.8	/	/	35 / 6.7	35.8 / 6.6
Fuel cons. highway (acc. FTP)	mpg / L/100Km	47.8 / 4.9	50.2 / 4.7	/	/	50.7 / 4.6	49.9 / 4.7
Fuel cons. combined (acc. FTP)	mpg / L/100Km	38.4 / 6.1	40.2 / 5.8	/	/	40.6 / 5.8	41 / 5.7
Range	miles	506.9	530.6			535.9	541.2
Front tyres		195/55R16 87V AS	195/55R16 87V AS	205/45 R17 84W	205/45 R17 84W	175/65R15 84H AS	175/65R15 84H AS
Rear tyres		195/55R16 87V AS	195/55R16 87V AS	205/45 R17 84W	205/45 R17 84W	175/65R15 84H AS	175/65R15 84H AS
Front rims		6,5J x 16 LM	6,5J x 16 LM	7J x 17 LM	7J x 17 LM	5,5J x15 LM	5,5J x15 LM
Rear rims		6,5J x 16 LM	6,5J x 16 LM	7J x 17 LM	7J x 17 LM	5,5J x15 LM	5,5J x15 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)	liter/quarts // L/q.	5.2/5.5 // 4.2/4.4	5.2/5.5 // 4.2/4.4	7.5/7.9 // 4.2/4.4	7.5/7.9 // 4.2/4.4	5.2/5.5 // 4.2/4.4	5.2/5.5 // 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
		ZP33	ZP33	MR93	MR93	ZN33	ZN33

** exchange quantity