

Technical Data - US.
MINI Hardtop.

		Cooper Hardtop	Cooper Hardtop	CooperS Hardtop	CooperS Hardtop	John Cooper Works Hardtop
Engine platform		N16B16M0	N16B16M0	N18B16M0	N18B16M0	N14B16T0
Transmission		manuel transmission 6	automatic transmission 6	manuel transmission 6	automatic transmission 6	manuel transmission 6
Doors / Seats	-- / --	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
Veh. Length	mm / inch	3723 / 146.6	3723 / 146.6	3729 / 146.8	3729 / 146.8	3729 / 146.8
Width	mm / inch	1683 / 66.3	1683 / 66.3	1683 / 66.3	1683 / 66.3	1683 / 66.3
Height	mm / inch	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
Turning circle	m / ft	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1
Track front	mm / inch	1459 / 57.4	1459 / 57.4	1453 / 57.2	1453 / 57.2	1453 / 57.2
Track rear	mm / inch	1467 / 57.8	1467 / 57.8	1461 / 57.5	1461 / 57.5	1461 / 57.5
Shoulder room front	mm / inch	1278 / 50.3	1278 / 50.3	1278 / 50.3	1278 / 50.3	1278 / 50.3
Shoulder room rear	mm / inch	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
Legroom rear	mm / inch	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
Max. headroom rear	mm / inch	955 / 37.6	955 / 37.6	955 / 37.6	955 / 37.6	955 / 37.6
Luggage volume	m³ / ft³	0,160-0,680 / 5,7-24,0	0,160-0,680 / 5,7-24,0	0,160-0,680 / 5,7-24,0	0,160-0,680 / 5,7-24,0	0,160-0,680 / 5,7-24,0
Luggage volume (acc. SAE)						
Fuel tank capacity	liter / gal	50 / 13.2	50 / 13.2	50 / 13.2	50 / 13.2	50 / 13.2
Curb weight	Kg / lbs	1150 / 2535	1185 / 2612	1210 / 2668	1230 / 2712	1210 / 2668
Weight distribution	%	39.6	38.4	37.2	36.6	38
Gross veh. Weight	Kg / lbs	1535 / 3384	1570 / 3461	1585 / 3494	1605 / 3538	1595 / 3516
Payload	Kg / lbs	370 / 816	370 / 816	370 / 816	370 / 816	370 / 816
Axle load limit front	Kg / lbs	830 / 1830	865 / 1907	870 / 1918	890 / 1962	870 / 1918
Axle load limit rear	Kg / lbs	755 / 1664	755 / 1664	755 / 1664	755 / 1664	760 / 1676
Roof load	Kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165
Engine type / Cylinder / Valves	-- / -- / --	in line / 4 / 4	in line / 4 / 4	in line / 4 / 4	in line / 4 / 4	in line / 4 / 4
Fuel management	--	MEV 1722	MEV 1722	MED 1722	MED 1722	MED 17.2
Injection type / Charging type	-- / --	SR(VVT) / -	SR(VVT) / -	Di2 / TwinScroll Turbo	Di2 / TwinScroll Turbo	Di2 / TwinScroll Turbo
Displacement	cm³ / inch	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
Bore	mm / inch	77 / 3	77 / 3	77 / 3	77 / 3	77 / 3
Engine power / Engine speed	bHP / 1/min	121 / 6000	121 / 6000	181 / 5500	181 / 5500	208 / 6000
	ft lbs (Nm) / 1/min	114 / 4250	114 / 4250	177 lb-ft @1,600-5,000 rpm (Overboost: 192 lb-ft @1,700 - 4,500 rpm)	177 lb-ft @1,600-5,000 rpm (Overboost: 192 lb-ft @1,700 - 4,500 rpm)	192 lb-ft @1,850-5,000 rpm (Overboost: 207 lb-ft @2,000 - 5,100 rpm)
Engine torque / Engine speed						
Compression rate / Fuel type (Recomm.	:1 / --	11 / ROZ91-98 (ROZ95)	11 / ROZ91-98 (ROZ95)	10.5 / ROZ91-98 (ROZ95)	10.5 / ROZ91-98 (ROZ95)	10 / ROZ91-98 (ROZ95)
Gearbox name	--	G255	F6 21	G253	F6 21	G253
1st gear / 2nd gear / 3rd gear / 4th gear	-- / -- / -- / --	3.214 / 1.792 / 1.194 / 0.914	4.148 / 2.37 / 1.556 / 1.155	3.308 / 2.13 / 1.483 / 1.139	4.044 / 2.371 / 1.556 / 1.159	3.308 / 2.13 / 1.483 / 1.139
5th gear / 6th gear / 7th gear / 8th gear	-- / -- / -- / --	0.784 / 0.683 / /	0.859 / 0.686 / /	0.949 / 0.816 / /	0.852 / 0.672 / /	0.949 / 0.816 / /
Rear gear	--	3.143	3.394	3.231	3.193	3.231
Final drive	--	4.353	4.103	3.647	3.683	3.647
Steering type / Transmission ratios	-- / :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 // 280 / 11	disc ventilated // 280 / 11	disc ventilated // 294 / 11.6	disc ventilated // 294 / 11.6	disc ventilated // 316 / 12.4
Rear brake / diameter	- / mm / inch	disc // 259 / 10.2	disc // 259 / 10.2	disc // 259 / 10.2	disc // 259 / 10.2	disc // 280 / 11
Cx // A	- / m² / ft²	0.33 // 1.99 / 21.42	0.33 // 1.99 / 21.42	0.36 // 1.99 / 21.42	0.36 // 1.99 / 21.42	0.36 // 1.99 / 21.42
Cx x A	m² / ft²	0.66 / 7.07	0.66 / 7.07	0.72 / 7.71	0.72 / 7.71	0.72 / 7.71
Top speed	Km/h / mph	203 / 126	196 / 122	227 / 141	223 / 139	236 / 147
Top speed (optional)	Km/h / mph	/	/	/	/	/
0-60 mph	s	8.4	9.6	6.6	6.8	6.2
0-100Km/h	s	9	10.3	7	7.2	6.5
0-1000m	s	30.5	31.6	27.4	27.6	26.2
EPA city	MPG	29	28	27	26	25
EPA highway	MPG	37	36	36	34	33
EPA combined	MPG	32	31	30	29	28
Fuel consumption acc FEG		/ /	/ /	/ /	/ /	/ /
Output per litre	KW/dm³	56.3	56.3	84.5	84.5	97
Weight ratio	Kg/KW					
Front tyre	--	175/65R15 84H	175/65R15 84H	195/55R16 87V AS	195/55R16 87V AS	205/45 R17 84W
Rear tyre	--	175/65R15 84H	175/65R15 84H	195/55R16 87V AS	195/55R16 87V AS	205/45 R17 84W
Rear rim	--	5,5J x 15 LM	5,5J x 15 LM	6,5J x 16 LM	6,5J x 16 LM	7J x 17 LM
Rear rim	--	5,5J x 15 LM	5,5J x 15 LM	6,5J x 16 LM	6,5J x 16 LM	7J x 17 LM
Run flat	--	no	no	yes	yes	yes
Wheel offset front / rear	mm / mm	45 / 45	45 / 45	48 / 48	48 / 48	48 / 48
Radiator incl. Heater / Engine oil **	liter/-- // liter/--	5.2/5.5 // 4.2/4.4	5.2/5.5 // 4.2/4.4	5.2/5.5 // 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
Battery / Battery position	Ah / --	55 / engine compartement	55 / engine compartement	55 / engine compartement	55 / engine compartement	55 / engine compartement
Alternator	A / W	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100
		SU33	SU33	SV33	SV33	SV93

** exchange quantity