

MINI R56: Technical Data USA 2007 / Downloaded from MotoringFile.com

Engine-Platform Transmission	MINI Cooper Hatch	MINI Cooper Hatch	MINI Cooper S Hatch	MINI Cooper S Hatch	MINI Cooper Convertible	MINI Cooper CVT Convertible	MINI Cooper S Convertible	MINI Cooper S Convertible
	N12B16 M6	N12B16 A6	N14B16 M6	N14B16 A6	W10B16 EU4 S65	W10B16 EU4 CVT	W11B16 EU4 S66	W11B16 EU4 A6
No. of doors / seats	- / 3/4	- / 3/4	- / 3/4	- / 3/4	- / 2/4	- / 2/4	- / 2/4	- / 2/4
Vehicle length	mm / inch 3699 / 145.6	3699 / 145.6	3714 / 146.2	3714 / 146.2	3635 / 143.1	3635 / 143.1	3655 / 143.9	3655 / 143.9
Vehicle width	mm / inch 1683 / 66.3	1683 / 66.3	1683 / 66.3	1683 / 66.3	1688 / 66.5	1688 / 66.5	1688 / 66.5	1688 / 66.5
Vehicle height, unloaded incl. antenna	mm / inch 1427 / 56.4	1407 / 55.4	1407 / 55.4	1407 / 55.4	1410 / 55.5	1410 / 55.5	1410 / 55.5	1410 / 55.5
Wheelbase	mm / inch 2467 / 97.1	2467 / 97.1	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	10.66 / 34.8	10.66 / 34.8	10.66 / 34.8	10.66 / 34.8
Track, front	mm / inch 1459 / 57.4	1459 / 57.4	1453 / 57.2	1453 / 57.2	1458 / 57.4	1458 / 57.4	1458 / 57.2	1454 / 57.2
Track, rear	mm / inch 1467 / 57.8	1467 / 57.8	1461 / 57.5	1461 / 57.5	1466 / 57.7	1466 / 57.7	1466 / 57.7	1460 / 57.5
Width at shoulderheight, front	mm / inch W3 1278 / 50.3	1278 / 50.3	1278 / 50.3	1278 / 50.3	1294 / 50.9	1294 / 50.9	1294 / 50.9	1294 / 50.9
Width at shoulderheight, rear	mm / inch W4 1136 / 44.7	1136 / 44.7	1136 / 44.7	1136 / 44.7	991 / 39.0	991 / 39.0	991 / 39.0	991 / 39.0
Eff. leg room, front	L34 mm / inch 1052 / 41.4	1052 / 41.4	1052 / 41.4	1052 / 41.4	1048 / 41.3	1048 / 41.3	1048 / 41.3	1048 / 41.3
Eff. leg room, rear	L51 mm / inch 760 / 29.9	760 / 29.9	760 / 29.9	760 / 29.9	699 / 27.5	699 / 27.5	699 / 27.5	699 / 27.5
Eff. Head room, front	H61 mm / inch 985 / 38.8	985 / 38.8	985 / 38.8	985 / 38.8	975 / 38.4	975 / 38.4	975 / 38.4	975 / 38.4
Eff. Head room, rear	H63 mm / inch 955 / 37.6	955 / 37.6	955 / 37.6	955 / 37.6	968 / 38.1	968 / 38.1	968 / 38.1	968 / 38.1
Trunk volume, acc. to DIN 70202 method	lit / ft ³ 160-880 / 5,7-24,0	160-880 / 5,7-24,0	160-880 / 5,7-24,0	160-880 / 5,7-24,0	120/165 - 605 / 4,25/8 - 21,4	120/165 - 605 / 4,25/8 - 21,4	120/165 - 605 / 4,25/8 - 21,4	120/165 - 605 / 4,25/8 - 21,4
Approx. tank capacity	gal 40 / 110.6	40 / 110.6	40 / 110.6	40 / 110.6	50 / 133.2	50 / 133.2	50 / 133.2	50 / 133.2
Unladen weight	kg / lbs 1155 / 254.6	1195 / 2634	1210 / 2668	1235 / 2723	1225/2700	1240/2734	1290/2844	1310 / 2888
Axle load ratio, rear (unladen)	% 39.4	38.1	37.2	37.2	40.4	39.5	40.1	40.1
Gross vehicle weight	kg / lbs 1525 / 3362	1565 / 3460	1590 / 3483	1605 / 3538	1575 / 3472	1590 / 3505	1640 / 3616	1660 / 3660
Payload	kg / lbs 370 / 816	370 / 816	370 / 816	370 / 816	350 / 771	350 / 771	350 / 771	350 / 771
Axle load limit, front	kg / lbs 875 / 1929	875 / 1929	900 / 1984	900 / 1984	870 / 1918	870 / 1918	890 / 1962	890 / 1962
Axle load limit, rear	kg / lbs 750 / 1653	750 / 1653	755 / 1664	755 / 1664	770 / 1697	770 / 1697	800 / 1763	800 / 1763
Road load limit	kg / lbs 75 / 165	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165
Engine / No. of 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	In Line / 4 / 4	In Line / 4 / 4
Fuel management	MED 17.2	MED 17.2	MED 17.2	MED 17.2	Siemens EMS 2000	Siemens EMS 2000	Siemens EMS 2000	Siemens EMS 2000
Displacement, acc. to ECE Reg.	cm ³ / inch ³ 1598 / 97.5	1598 / 97.5	1598 / 97.5	1598 / 97.5	1598 / 97.5	1598 / 97.5	1598 / 97.5	1598 / 97.5
Stroke	mm / inch 85.8 / 3.38	85.8 / 3.38	85.8 / 3.38	85.8 / 3.38	85.8 / 3.38	85.8 / 3.38	85.8 / 3.38	85.8 / 3.38
Bore	mm / inch 77 / 3.03	77 / 3.03	77 / 3.03	77 / 3.03	77 / 3.03	77 / 3.03	77 / 3.03	77 / 3.03
Norm. power output / Eng. speed	SAE hp / min ⁻¹ 118 / 6000	118 / 6000	172 / 5500 **	172 / 5500 **	115 / 6000	115 / 6000	168 / 6000	168 / 6000
Max. torque / Engine speed	ft lbs(Nm) / min ⁻¹ 114 (155) / 4250	114 (155) / 4250	177(240) / 1600-5000 **	177(240) / 1600-5000 **	111 (150) / 4500	111 (150) / 4500	162 (220) / 4000	162 (220) / 4000
Compression ratio / Fuel type	11.0 / 91-98 ROZ	11.0 / 91-98 ROZ	10.5 / 91-98 ROZ	10.5 / 91-98 ROZ	10.6 / 91-98 ROZ	10.6 / 91-98 ROZ	8.3 / 91-98 ROZ	8.3 / 91-98 ROZ
Transmission type	GETRAG G255	ASIN F21	GETRAG G253	ASIN F21	Getrag 252	GACVY16Z	Getrag 285	ASIN
Gear ratio 1st / 2nd / 3rd	3.214 / 1.792 / 1.14	4.148 / 2.370 / 1.556	3.308 / 2.130 / 1.483	4.044 / 2.371 / 1.556	3.008 / 1.913 / 1.258	variable	4.455 ^{1/2} / 2.714 ^{1/3} / 1.333 ^{1/2}	4.044 / 2.371 / 1.556
Gear ratio 4th / 5th / 6th	0.914 / 0.784 / 0.683	1.155 / 0.859 / 0.686	1.139 / 0.949 / 0.816	1.159 / 0.852 / 0.672	0.943 / 0.806 / -	variable	1.089 ^{1/2} / 1.333 ^{1/3} / 1.089 ^{1/3}	1.159 / 0.852 / 0.672
Reverse gear ratio	3.143	3.304	3.231	3.193	3.231	3.92	3.193	3.193
Final drive ratio	4.353	4.103	3.647	3.685	4.352	5.76	11.27 ^{1/2} / 4.24	3.683
Steering type / Steering ratio	-	rack&pinion(EPS) 14.1	rack&pinion(EPS) 14.1	rack&pinion(EPS) 14.1	EHPAS / 13.18	EHPAS / 13.18	EHPAS / 13.18	EHPAS / 13.18
Brake front / diameter	- / mm / inch	Disc ventil / 280 / 11.0	Disc ventil / 294 / 11.6	Disc ventil / 294 / 11.6	Disc ventil / 276 / 10.9	Disc ventil / 276 / 10.9	Disc ventil / 276 / 10.9	Disc ventil / 276 / 10.9
Brake rear / diameter	- / mm / inch	Disc / 269 / 10.2	Disc / 269 / 10.2	Disc / 269 / 10.2	Disc / 269 / 10.2	Disc / 269 / 10.2	Disc / 269 / 10.2	Disc / 269 / 10.2
Drag C _d	-	0.35	0.39	0.39	0.37	0.37	0.37	0.37
Drag C _d x A	m ² / ft ²	0.69 / 7.42	0.69 / 7.42	0.77 / 8.29	0.77 / 8.29	1.97 / 21.2	1.97 / 21.2	1.97 / 21.2
Top speed	km/h / mph	203 / 126	194 / 121	223 / 139	195 / 121	180 / 112	215 / 134	215 / 134
Acceleration 0-80kmph	s	8.6	9.7	6.7	8.0	7.0	7.0	7.0
Acceleration 0-100km/h (Canada)	s	9.1	10.4	7.1	7.4	10.8	7.4	7.9
Acceleration 0 - 1/4 mile	s	16.6	-	15.1	16.5	-	15.6	-
Acceleration 0 - 1000 m	s	30.5	-	27.6	30.6	-	27.8	28.8
Fuel consumption city	mpg	32	30	29	24	25	24	22
Fuel consumption highway	mpg	40	36	37	34	35	34	32
Fuel consumption combined	mpg	35	33	32	30	28	28	26
Approx. range	miles	-	-	-	-	-	-	-
Tyre size front	-	175/65R15 84H PERF	175/65R15 84H PERF	195/55R16 87V RSC PERF	195/55R16 87V RSC PERF	175/65R15 84 H PERF	175/65R15 84 H PERF	195/55R16 87 V RSC PERF
Tyre size rear	-	175/65R15 84H PERF	175/65R15 84H PERF	195/55R16 87V RSC PERF	195/55R16 87V RSC PERF	175/65R15 84 H PERF	175/65R15 84 H PERF	195/55R16 87 V RSC PERF
Wheel size front	-	5.5 J x15 alloy	5.5 J x15 alloy	6.5 J x16 alloy	6.5 J x16 alloy	5.5 J x15 alloy	5.5 J x15 alloy	6.5 J x16 alloy
Wheel size rear	-	5.5 J x15 alloy	5.5 J x15 alloy	6.5 J x16 alloy	6.5 J x16 alloy	5.5 J x15 alloy	5.5 J x15 alloy	6.5 J x16 alloy
Radiator s. incl.henge / Engine oil *	lit / quarts	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	5,3 / 5,6 / 4,5 / 4,8	5,3 / 5,6 / 4,5 / 4,8	6,0 / 6,3 / 4,8 / 5,1
Transmiss. fluid / Final drive fluid	lit / quarts	life-time	life-time	life-time	life-time	permanently filled	permanently filled	permanently filled
Battery capacity / installed position	Ah / A.W.	55/engine comp. 150 / 2100	55/engine comp. 150 / 2100	55/engine comp. 150 / 2100	55/engine comp. 150 / 2100	55/engine comp. 105 / 1480	55/engine comp. 105 / 1480	55/luggage comp. 105 / 1470
		* Oil exchange quantity				Getrag 252 ¹	GACVY16Z	Getrag 285 ¹
		** Overboost: 192 lbs ft (260Nm) / 1700-4500				ASIN	ASIN	ASIN
						12,789 / 7,793 / 5,651	12,789 / 7,793 / 5,651	1,054 / 2,371 / 1,556
						4,105 / 3,509 / -	4,105 / 3,509 / -	4,615 / 3,828 / 3,126
						14,065	14,065	11,844
						5.76	5.76	3.883
						*Total transmission ratio	*Total transmission ratio	*Total transmission ratio