

MINI 2008 Full Line Technical Specifications



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		MINI Cooper Clubman	MINI Cooper Clubman	MINI Cooper S Clubman	MINI Cooper S Clubman	MINI Cooper Hardtop	MINI Cooper Hardtop	MINI Cooper S Hardtop	MINI Cooper S Hardtop
		Getrag 6 Speed Manual	Aisin 6 Speed Automatic	Getrag 6 Speed Manual	Aisin 6 Speed Automatic	Getrag 6 Speed Manual	Aisin 6 Speed Automatic	Getrag 6 Speed Manual	Aisin 6 Speed Automatic
Transmission		5/4	5/4	5/4	5/4	3 / 4	3 / 4	3 / 4	3 / 4
No. of doors / seats	-	3937/155	3937/155	3937/155.8	3937/155.8	3699 / 145,6	3699 / 145,6	3714 / 146,2	3714 / 146,2
Vehicle length	mm / inch	1683/66.3	1683/66.3	1683/66.3	1683/66.3	1683 / 66,3	1683 / 66,3	1683 / 66,3	1683 / 66,3
Vehicle width	mm / inch	1426/56.1	1426/56.1	1426/56.4	1426/56.4	1407 / 55,4	1407 / 55,4	1407 / 55,4	1407 / 55,4
Vehicle height, unloaded incl. antenna	mm / inch	2547/100.3	2547/100.3	2547/100.3	2547/100.3	2467 / 97,1	2467 / 97,1	2467 / 97,1	2467 / 97,1
Wheelbase	mm / inch	11/36.1	11/36.1	11/36.1	11/36.1	10,7 / 35,1	10,7 / 35,1	10,7 / 35,1	10,7 / 35,1
Turning circle	m / ft	1459/57.4	1459/57.4	1453/57.2	1453/57.2	1459 / 57,4	1459 / 57,4	1453 / 57,2	1453 / 57,2
Track, front	mm / inch	1467/57.8	1467/57.8	1461/57.5	1461/57.5	1467 / 57,8	1467 / 57,8	1461 / 57,5	1461 / 57,5
Track, rear	mm / inch	1278/50.3	1278/50.3	1278/50.3	1278/50.3	1278 / 50,3	1278 / 50,3	1278 / 50,3	1278 / 50,3
Width at shoulder height, front	W3 mm / inch	1165/45.9	1165/45.9	1165/45.9	1165/45.9	1136 / 44,7	1136 / 44,7	1136 / 44,7	1136 / 44,7
Width at shoulder height, rear	W4 mm / inch	1052/41.4	1052/41.4	1052/41.4	1052/41.4	1052 / 41,4	1052 / 41,4	1052 / 41,4	1052 / 41,4
Eff. leg room, front	L34 mm / inch	820/32.3	820/32.3	820/32.3	820/32.3	760 / 29,9	760 / 29,9	760 / 29,9	760 / 29,9
Eff. leg room, rear	L51 mm / inch	990/39	990/39	990/39	990/39	985 / 38,8	985 / 38,8	985 / 38,8	985 / 38,8
Eff. Head room, front	H61 mm / inch	958/37.7	958/37.7	958/37.7	958/37.7	955 / 37,6	955 / 37,6	955 / 37,6	955 / 37,6
Eff. Head room, rear	H63 mm / inch	260-930/9.2-32.8	260-930/9.2-32.8	260-930/9.2-32.8	260-930/9.2-32.8	160-680 / 5,7-24,0	160-680 / 5,7-24,0	160-680 / 5,7-24,0	160-680 / 5,7-24,0
Trunk volume acc. to DIN 70020 method	ltr / ft³	50/13.2	50/13.2	50/13.2	50/13.2	40 / 10,6	40 / 10,6	50 / 13,2	50 / 13,2
Approx. tank capacity	ltr / gal	1235/2723	1270/2800	1295/2855	1315/2900	1155 / 2546	1195 / 2634	1210 / 2668	1235 / 2723
Unladen weight	kg / lbs	43.4	42.1	41.7	41.1	39.4	38.1	38.0	37.2
Axle load ratio, rear (unladen)	%	1605/3539	1640/3616	1665/3671	1685/3715	1525 / 3362	1565 / 3450	1580 / 3483	1605 / 3538
Gross vehicle weight	kg / lbs	370/816	370/816	370/816	370/816	370 / 816	370 / 816	370 / 816	370 / 816
Payload	kg / lbs	830/1830	865/1907	870/1918	890/1962	875 / 1929	875 / 1929	900 / 1984	900 / 1984
Axle load limit, front	kg / lbs	830/1830	830/1830	835/1841	835/1841	750 / 1653	750 / 1653	755 / 1664	755 / 1664
Axle load limit, rear	kg / lbs	75/165.3	75/165.3	75/165.3	75/165.3	75 / 165	75 / 165	75 / 165	75 / 165
Road load limit	kg / lbs	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
Engine / No. of cylinders / valves p. cyl.	-	MEV 17.2	MEV 17.2	MED 17.2	MED 17.2	MEV 17.2	MEV 17.2	MED 17.2	MED 17.2
Fuel management	-	1598 / 97,5	1598 / 97,5	1598 / 97,5	1598 / 97,5	1598 / 97,5	1598 / 97,5	1598 / 97,5	1598 / 97,5
Displacement, acc. to ECE Reg.	cm³ / inch³	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
Stroke	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
Bore	mm / inch	118 / 6000	118 / 6000	172 / 5500 ***	172 / 5500	118 / 6000	118 / 6000	172 / 5500 ***	172 / 5500
Nom. power output / Eng. speed	SAE hp / min⁻¹	114 (155) / 4250	114 (155) / 4250	177(240) / 1600-5000 **	177(240) / 1600-5000 **	114 (155) / 4250	114 (155) / 4250	177(240) / 1600-5000 **	177(240) / 1600-5000 **
Max. torque / Engine speed	ft lbs(Nm) / min⁻¹	11,0 / 91-98 ROZ	11,0 / 91-98 ROZ	10,5 / 91-98 ROZ	10,5 / 91-98 ROZ	11,0 / 91-98 ROZ	11,0 / 91-98 ROZ	10,5 / 91-98 ROZ	10,5 / 91-98 ROZ
Compression ratio / Fuel type	-	GETRAG G255	AISIN F21	GETRAG G253	AISIN F21	GETRAG G255	AISIN F21	GETRAG G253	AISIN F21
Transmission type	-	3,214 / 1,792 / 1,194	4,148 / 2,370 / 1,556	3,308 / 2,130 / 1,483	4,044 / 2,371 / 1,556	3,214 / 1,792 / 1,194	4,148 / 2,370 / 1,556	3,308 / 2,130 / 1,483	4,044 / 2,371 / 1,556
Gear ratio 1st / 2nd / 3rd	-	0,914 / 0,784 / 0,683	1,155 / 0,859 / 0,686	1,139 / 0,949 / 0,816	1,159 / 0,852 / 0,672	0,914 / 0,784 / 0,683	1,155 / 0,859 / 0,686	1,139 / 0,949 / 0,816	1,159 / 0,852 / 0,672
Gear ratio 4th / 5th / 6th	-	3,143	3,394	3,231	3,193	3,143	3,394	3,231	3,193
Reverse gear ratio	-	4.353	4.103	3.647	3.685	4.353	4.103	3.647	3.685
Final drive ratio	-	rack&pinion(EPS)/ 14,1	rack&pinion(EPS)/ 14,1	rack&pinion(EPS)/ 14,1	rack&pinion(EPS)/ 14,1	rack&pinion(EPS)/ 14,1	rack&pinion(EPS)/ 14,1	rack&pinion(EPS)/ 14,1	rack&pinion(EPS)/ 14,1
Steering type / Steering ratio	-	Disc ventil./ 280 / 11,0	Disc ventil./ 280 / 11,0	Disc ventil./ 294 / 11,6	Disc ventil./ 294 / 11,6	Disc ventil./ 280 / 11,0	Disc ventil./ 280 / 11,0	Disc ventil./ 294 / 11,6	Disc ventil./ 294 / 11,6
Brake front / diameter	- / mm / inch	Disc / 259 / 10,2	Disc / 259 / 10,2	Disc / 259 / 10,2	Disc / 259 / 10,2	Disc / 259 / 10,2	Disc / 259 / 10,2	Disc / 259 / 10,2	Disc / 259 / 10,2
Brake rear / diameter	- / mm / inch	0.35	0.35	0.39	0.39	0.35	0.35	0.39	0.39
Drag C _d	-	0.69/7.42	0.69/7.42	0.77/8.29	0.77/8.29	0.69 / 7,42	0.69 / 7,42	0,77 / 8,29	0,77 / 8,29
Drag C _d x A	m² / ft²	202/125	193/120	223/139	220/137	203 / 126	194 / 121	223 / 139	
Top speed	km/h / mph	8.9	10.2	7.0	7.2	8.5	9.7	6.7	
Acceleration 0-60mph	s	16.9	NA	15.3	NA	16.6	-	15.1	
Acceleration 0 - 1/4 mile	s	31	32.2	28	28.5	30.5	-	27.6	
Acceleration 0 - 1000 m	s	28***	26***	26***	23***	28***	26***	26***	23***
Fuel consumption city	mpg	37***	34***	34***	32***	37***	34***	34***	32***
Fuel consumption highway	mpg	32***	29***	29***	26***	32***	29***	29***	26***
Fuel consumption combined	mpg	175/65R15 84H	175/65R15 84H	195/55R16 87V RSC	195/55R16 87V RSC	175/65R15 84H	175/65R15 84H	195/55R16 87V RSC	195/55R16 87V RSC
Tire size front	-	175/65R15 84H	175/65R15 84H	195/55R16 87V RSC	195/55R16 87V RSC	175/65R15 84H	175/65R15 84H	195/55R16 87V RSC	195/55R16 87V RSC
Tire size rear	-	5,5 J x15 alloy	5,5 J x15 alloy	6,5 J x 16 alloy	6,5 J x 16 alloy	5,5 J x15 alloy	5,5 J x15 alloy	6,5 J x 16 alloy	6,5 J x 16 alloy
Wheel size front	-	5,5 J x15 alloy	5,5 J x15 alloy	6,5 J x 16 alloy	6,5 J x 16 alloy	5,5 J x15 alloy	5,5 J x15 alloy	6,5 J x 16 alloy	6,5 J x 16 alloy
Wheel size rear	-	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	5,2/5,5 / 4,2/4,4	5,2/5,5 / 4,2/4,4	5,2/5,5 / 4,2/4,4
Radiator s. incl.heater / Engine oil *	ltr / quarts	life-time	life-time	life-time	life-time	life-time	life-time	life-time	life-time
Transmission, fluid / Final drive fluid	ltr / quarts	55/engine comp.	55/engine comp.	55/engine comp.	55/engine comp.	55/engine comp.	55/engine comp.	55/engine comp.	55/engine comp.
Battery capacity / installed position	Ah / -	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100
Alternator	A / W								

* Oil exchange quantity

** Overboost: 192 lbs ft (260Nm)/1700-4500

*** Preliminary figures subject to final EPA confirmation

Please Note: Information is deemed current at the time of printing. Specifications may be subject to change. Please contact MINI USA Press Communications if you have any questions at 201-307-3784 or at andrew.cutler@miniusa.com

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MINI 2008 Full Line Technical Specifications



		MINI Cooper Convertible	MINI Cooper CVT Convertible	MINI Cooper S Convertible	MINI Cooper S Convertible
Transmission		Getrag 5-Speed Manual	ZF Continuously Variable (CVT)	Getrag 6-Speed Manual	Aisin 6-Speed Automatic
No. of doors / seats	-	2/4	2/4	2/4	2/4
Vehicle length	mm / inch	3635 / 143,1	3635 / 143,1	3655 / 143,9	3655 / 143,9
Vehicle width	mm / inch	1688 / 66,5	1688 / 66,5	1688 / 66,5	1688 / 66,5
Vehicle height, unloaded incl. antenna	mm / inch	1410 / 55,5	1410 / 55,5	1410 / 55,5	1415 / 55,7
Wheelbase	mm / inch	2467 / 97,1	2467 / 97,1	2467 / 97,1	2467 / 97,1
Turning circle	m / ft	10,66 / 34,8	10,66 / 34,8	10,66 / 34,8	10,66 / 34,8
Track, front	mm / inch	1458 / 57,4	1458 / 57,4	1452 / 57,2	1454 / 57,2
Track, rear	mm / inch	1466 / 57,7	1466 / 57,7	1460 / 57,5	1460 / 57,5
Width at shoulder height, front W3	mm / inch	1294 / 50,9	1294 / 50,9	1294 / 50,9	1294 / 50,9
Width at shoulder height, rear W4	mm / inch	991 / 39,0	991 / 39,0	991 / 39,0	991 / 39,0
Eff. leg room, front L34	mm / inch	1048 / 41,3	1048 / 41,3	1048 / 41,3	1048 / 41,3
Eff. leg room, rear L51	mm / inch	699 / 27,5	699 / 27,5	699 / 27,5	699 / 27,5
Eff. Head room, front H61	mm / inch	975 / 38,4	975 / 38,4	975 / 38,4	975 / 38,4
Eff. Head room, rear H63	mm / inch	968 / 38,1	968 / 38,1	968 / 38,1	968 / 38,1
Trunk volume acc. to DIN 70020 method	ltr / ft ³	20/165 - 605 // 4,2/5,8 - 21,4	120/165 - 605 // 4,2/5,8 - 21,4	120/165 - 605 // 4,2/5,8 - 21,4	120/165 - 605 // 4,2/5,8 - 21,4
Approx. tank capacity	ltr / gal	50/13,2	50/13,2	50/13,2	50
Unladen weight	kg / lbs	1225/2700	1240/2734	1290/2844	1310 / 2888
Axle load ratio, rear (unladen)	%	40,4	39,5	40,7	40,1
Gross vehicle weight	kg / lbs	1575 / 3472	1590 / 3505	1640 / 3616	1660 / 3660
Payload	kg / lbs	350 / 771	350 / 771	350 / 771	350 / 771
Axle load limit, front	kg / lbs	870 / 1918	870 / 1918	890 / 1962	890 / 1962
Axle load limit, rear	kg / lbs	770 / 1697	770 / 1697	800 / 1763	800 / 1763
Roof load limit	kg / lbs	-	-	-	-
Engine / No. of cylinders / valves p. cyl.	-	In Line / 4 / 4	In Line / 4 / 4	In Line / 4 / 4	In Line / 4 / 4
Fuel management	-	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
Stroke	mm / inch	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
Nom. power output / Eng. speed	SAE hp / min ⁻¹	115 / 6000	115 / 6000	168 / 6000	168 / 6000
Max. torque / Engine speed	ft lbs(Nm) / min ⁻¹	111 (150) / 4500	111 (150) / 4500	162 (220) / 4000	162 (220) / 4000
Compression ratio / Fuel type	-	10,6 / 91-98 ROZ	10,6 / 91-98 ROZ	8,3 / 91-98 ROZ	8,3 / 91-98 ROZ
Transmission type	-	Getrag 252	GACVT16Z	Getrag 285	AISIN
Gear ratio 1st / 2nd / 3rd	-	3,308 / 1,913 / 1,258	variable	4,455 ¹⁾ / 2,714 ¹⁾ / 1,333 ²⁾	4,044 / 2,371 / 1,556
Gear ratio 4th / 5th / 6th	-	0,943 / 0,806 / -	variable	1,089 ²⁾ / 1,333 ¹⁾ / 1,089 ¹⁾	1,159 / 0,852 / 0,672
Reverse gear ratio	-	3,231	3,82	2,818 ²⁾	3,193
Final drive ratio	-	4,352	5,76	¹⁾ 2,87 ²⁾ 4,24	3,683
Steering type / Steering ratio	-	EHPAS / 13,18	EHPAS / 13,18	EHPAS / 13,18	EHPAS / 13,18
Brake front / diameter	- / mm / inch	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 / 259 / 10,2	Disc / 259 / 10,2	Disc / 259 / 10,2	Disc / 259 / 10,2
Drag C _d	-	0,37	0,37	0,37	0,37
Drag C _d x A	m ² / ft ²	1,97 / 21,2	1,97 / 21,2	1,97 / 21,2	0,73 / 7,86
Top speed	km/h / mph	195 / 121	180 / 112	215 / 134	215 / 134
Acceleration 0-60mph	s	8,9	10,2	7,0	7,6
Acceleration 0 - 1/4 mile	s	16,5	-	15,6	-
Acceleration 0 - 1000 m	s	30,6	-	27,8	28,8
Fuel consumption city	mpg	27	26	25	23
Fuel consumption highway	mpg	35	33	32	32
Fuel consumption combined	mpg	30	29	27	27
Tire size front	-	175/65R15 84 H	175/65R15 84 H	195/55R16 87 V RSC	195/55R16 87 V RSC
Tire size rear	-	175/65R15 84 H	175/65R15 84 H	195/55R16 87 V RSC	195/55R16 87 V RSC
Wheel size front	-	5,5 J x15 alloy	5,5 J x15 alloy	6,5 J x 16 alloy	6,5 J x 16 alloy
Wheel size rear	-	5,5 J x15 alloy	5,5 J x15 alloy	6,5 J x 16 alloy	6,5 J x 16 alloy
Radiator s. incl.heater / Engine oil *	ltr / quarts	5,3 / 5,6 // 4,5 / 4,8	5,3 / 5,6 // 4,5 / 4,8	6,0 / 6,3 // 4,8 / 5,1	6,0 / 6,3 // 4,8 / 5,1
Transmission. fluid / Final drive fluid	ltr / quarts	permanently filled	permanently filled	permanently filled	permanently filled
Battery capacity / installed position	Ah / -	55/engine comp.	55/engine comp.	55/luggage comp.	55/luggage comp.
Alternator	A / W	120 / 1680	120 / 1680	105 /1470	105 /1470

* Oil exchange quantity

** Overboost: 192 lbs ft (260Nm)/1700-4500

*** Preliminary EPA Testing

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