

U.S. Technical Specifications for all MY 2022 MINI Hardtop 2 Door variants							
	MINI Cooper Hardtop 2 Door	MINI Cooper Hardtop 2 Door	MINI Cooper S Hardtop 2 Door	MINI Cooper S Hardtop 2 Door	MINI John Cooper Works Hardtop	MINI John Cooper Works Hardtop	MINI Cooper SE Electric
Basic data summary							
Transmission type	Manual	DCT	Manual	DCT	Manual	Automatic	Automatic
Engine description	B36A15M1	B36A15M1	B46A20M1	B46A20M1	B46A20O1	B46A20O1	IB1P23M0
Seats	4	4	4	4	4	4	4
Number of doors	3-door car	3-door car	3-door car	3-door car	3-door car	3-door car	3-door car
Engine type	Front-wheel drive	Front-wheel drive	Front-wheel drive	Front-wheel drive	Front-wheel drive	Front-wheel drive	Front-wheel drive
Dimensions							
Exterior							
Vehicle length (L103 OTD), inch	152.2	152.2	152.8	152.8	152.8	152.8	151.7
Vehicle width (W103 OTD), inch	68	68	68	68	68	68	68
Vehicle width at side mirrors (W144) , inch	75.9	75.9	75.9	75.9	75.9	75.9	75.9
Vehicle height (inch), inch	55.7	55.7	55.7	55.7	55.7	55.7	56.4
Wheelbase(L101), inch	98.2	98.2	98.2	98.2	98.2	98.2	98.2
Overhang front (L104 OTD), inch	30.5	30.5	30.5	30.5	30.5	30.5	30.5
Overhang rear (L105 OTD), inch	23.5	23.5	24	24	24	24	23
Ground clearance; curb weight (H156 OTD), inch	5.6	5.6	5.6	5.6	5.6	5.6	5
Minimum turning clearance circle (D 102), ft	35.4	35.4	35.4	35.4	35.4	35.4	35.1
Interior							
Leg room 1.SR (L34), inch	41.4	41.4	41.4	41.4	41.4	41.4	41.4
Leg room 2.SR (L51-2), inch	30.8	30.8	30.8	30.8	30.8	30.8	30.8
Shoulder room 1.SR (W3-1), inch	50.6	50.6	50.6	50.6	50.6	50.6	50.6
Shoulder room 2.SR (W3-2), inch	47.8	47.8	47.8	47.8	47.8	47.8	47.8
Head room 1.SR (H62-1), inch	40.3	40.3	40.3	40.3	40.3	40.3	40.3
Head room with sunroof 1.SR (H62-1 SR), inch	38.3	38.3	38.3	38.3	38.3	38.3	38.3
Head room 2.SR (H61-2), inch	36.9	36.9	36.9	36.9	36.9	36.9	36.9
Head room with sunroof 2.SR (H61-2 SR), inch	36.4	36.4	36.4	36.4	36.4	36.4	36.4
EPA passenger volume index front (SAE), ft³	48.8	48.8	48.8	48.8	48.8	48.8	48.8
EPA passenger volume index second (SAE), ft³	31.5	31.5	31.5	31.5	31.5	31.5	31.5
Luggage volumes							
Press luggage volume US (V US Kom), ft³	8,7 - 34,0	8,7 - 34,0	8,7 - 34,0	8,7 - 34,0	8,7 - 34,0	8,7 - 34,0	8,7 - 34,0
EPA luggage volume (SAE), ft³	8.7	8.7	8.7	8.7	8.7	8.7	8.7
Weight							
Gross vehicle weight, lbs	3505	3549	3616	3627	3715	3770	3913
Payload lbs, lbs	697	694	710	692	787	772	743
Front axle load lbs, lbs	1973	2028	2061	2094	2072	2150	2172
Axle load limit rear, lbs	1664	1664	1687	1687	1764	1764	1929
Vehicle weight without driver empty fuel tank, lbs	2646	2703	2740	2769	2820	2879	3144
Vehicle weight without driver empty fuel tank -FA, lbs	1669	1729	1752	1784	1795	1869	1828
Vehicle weight without driver empty fuel tank -RA, lbs	977	974	988	985	1025	1010	1316
Vehicle curb weight inkl. 100% SAa und 33% SAs, lbs	2712	2769	2813	2842	2892	2952	3144
Performance							
Final drive ratio	3.421	3.789	3.588	3.474	3.824	2.955	N/A
US Top speed, mph	130	130	145	145	149	149	93
0-60 mph, s	7.6	7.6	6.5	6.4	6.1	5.9	6.9
High-voltage battery							
Battery Capacity (high voltage), Ah	N/A	N/A	N/A	N/A	N/A	N/A	93.2
System voltage (high voltage), V	N/A	N/A	N/A	N/A	N/A	N/A	350.4
Battery type high voltage	N/A	N/A	N/A	N/A	N/A	N/A	li-Ion
Gross battery content high voltage, kWh	N/A	N/A	N/A	N/A	N/A	N/A	32.64
Net battery content high voltage, kWh	N/A	N/A	N/A	N/A	N/A	N/A	28.9
Battery Position high voltage	N/A	N/A	N/A	N/A	N/A	N/A	Vehicle underfloor mid.
charging variation 1	N/A	N/A	N/A	N/A	N/A	N/A	AC Typ 1; 7,4 kW Mode3 Wallbox 1ph
charging variation 2	N/A	N/A	N/A	N/A	N/A	N/A	DC CCS1 50 kW
charging time 1 (0-80% SoC), h	N/A	N/A	N/A	N/A	N/A	N/A	3.2
charging time 1 (0-100% SoC), h	N/A	N/A	N/A	N/A	N/A	N/A	4.2
charging time 2 (0-80% SoC), h	N/A	N/A	N/A	N/A	N/A	N/A	0.6
charging time 2 (0-100% SoC), h	N/A	N/A	N/A	N/A	N/A	N/A	1.4
Motor Data							
Electric motor 1							
Motor function (1. E-engine)	N/A	N/A	N/A	N/A	N/A	N/A	electrical traction maschine
Engine (1. E-engine)	N/A	N/A	N/A	N/A	N/A	N/A	IB1P23M0

At rpm (1. E-engine), 1/min	N/A	N/A	N/A	N/A	N/A	N/A	7000
Range at Peak torque (1.E-engine), 1/min	N/A	N/A	N/A	N/A	N/A	N/A	100-1000
Maximum engine speed at Peak torque (1.E-Motor), 1/min	N/A	N/A	N/A	N/A	N/A	N/A	1000
Minimum engine speed at Peak torque (1.E-Motor), 1/min	N/A	N/A	N/A	N/A	N/A	N/A	100
RPM at 30 min peak power (1. E-engine), 1/min	N/A	N/A	N/A	N/A	N/A	N/A	4800
PRM at 60 min peak power (1.E-engine), 1/min	N/A	N/A	N/A	N/A	N/A	N/A	4800
Engine Config (1. E-engine)	N/A	N/A	N/A	N/A	N/A	N/A	permanent erregte Synchronmaschine
EM - Transmission ratio 1st gear**; 1st**	N/A	N/A	N/A	N/A	N/A	N/A	
Transmission Identification of E-motor	N/A	N/A	N/A	N/A	N/A	N/A	GE1B134H
Engine power bHP (1. E-engine), bHP	N/A	N/A	N/A	N/A	N/A	N/A	101
Peak power bHP (1. E-engine), bHP	N/A	N/A	N/A	N/A	N/A	N/A	181
Motor							
Engine type	B36A15M1	B36A15M1	B46A20M1	B46A20M1	B46A20O1	B46A20O1	N/A
Cylinders	3	3	4	4	4	4	N/A
Valves p.cyl.	4	4	4	4	4	4	N/A
Lifting (inch), inch	3.72	3.72	3.72	3.72	3.72	3.72	N/A
Bore (inch), inch	3.23	3.23	3.23	3.23	3.23	3.23	N/A
Capacity (inch³), inch	91.46	91.46	121.95	121.95	121.95	121.95	N/A
Engineoil, quarts	4.8	4.8	5.5	5.5	5.5	5.5	N/A
Engine torque, ftlbs	162	162	206	206	235	235	N/A
Engine power (bHP), bHP	134	134	189	189	228	228	N/A
rpm at maximum power, 1/min	4500-6500	4500-6500	5000-6000	5000-6000	5200-6200	5200-6200	N/A
Fuel type	gasoline	gasoline	gasoline	gasoline	gasoline	gasoline	N/A
Useable Fuel quality	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	N/A
Recommended Fuel Quality	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	N/A
Gearbox							
Combustion engine							
Transmission type V	GS6-58BG	GD7F32AG	GS6-59SG	GD7F32AG	GS6-59SG	GA8Q45CW	N/A
Transmission type	Manual	DCT	Manual	DCT	Manual	Automatic	Automatic
Nr. of gears	6	7	6	7	6	8	N/A
Transmission ratio 1st gear**, 1st**	3.615	15.741	3.923	14.429	3.923	5.519	N/A
Transmission ratio 2nd gear**, 2nd**	1.952	9.284	2.136	8.511	2.136	3.184	N/A
Transmission ratio 3rd gear**, 3rd**	1.241	5.899	1.393	5.408	1.393	2.05	N/A
Transmission ratio 4th gear**, 4th**	0.969	4.129	1.088	3.785	1.088	1.492	N/A
Transmission ratio 5th gear**, 5th**	0.806	3.196	0.892	2.93	0.892	1.235	N/A
Transmission ratio 6th gear**, 6th**	0.683	2.558	0.756	2.345	0.756	1	N/A
Transmission ratio 7th gear**, 7th**	N/A	2.073	N/A	1.901	N/A	0.801	N/A
Transmission ratio 8th gear**, 8th**	N/A	N/A	N/A	N/A	N/A	0.673	N/A
Transmission ratio reverse gear**	3.538	14.22	3.538	13.035	3.538	4.221	N/A
Aerodynamics							
CXA min (ft²), ft	6.68	6.68	7.39	7.39	7.65	7.65	6.78
CXA max (ft²), ft	7.58	7.58	7.84	7.84	7.87	7.87	6.78
Facing surface (A Stirn), ft	22.28	22.28	22.39	22.39	22.5	22.5	22.6
Emission							
Emission classification (type-certified)***	SULEV30	SULEV30	SULEV30	SULEV30	SULEV30	SULEV30	ZEV
Chassis							
Wheel/Tires							
Front tires	175/65 R15 84 H AS	175/65 R15 84 H AS, 195/55 R16 87 V AS	195/55 R16 87 V AS	195/55 R16 87 V AS	205/45 R17 88 V XL AS	205/45 R17 88 V XL AS	195/55 R16 87 W
Front tires var.1	195/55 R16 87 V AS	195/55 R16 87 V AS, 205/45 R17 88 V XL AS	205/45 R17 88 V XL AS	205/45 R17 88 V XL AS	205/45 R17 88 W XL	205/45 R17 88 W XL	205/45 R17 88 W XL
Front tires var.2	205/45 R17 88 V XL AS	205/45 R17 88 V XL AS, 205/45 R17 88 W XL	195/55 R16 87 W	195/55 R16 87 W	205/45 R17 88 Y XL	205/45 R17 88 Y XL	N/A
Front tires var.3	205/45 R17 88 W XL	205/45 R17 88 W XL	205/45 R17 88 W XL	205/45 R17 88 W XL	205/40 R18 86 W XL	205/40 R18 86 W XL	N/A
Front tires var.4	205/40 R18 86 W XL	205/40 R18 86 W XL	205/40 R18 86 W XL	205/40 R18 86 W XL	N/A	N/A	N/A
Front rims	5,5Jx15 LM	5,5Jx15 LM, 6,5Jx16 LM	6,5Jx16 LM	6,5Jx16 LM	7Jx17 LM	7Jx17 LM	6,5Jx16 LM
Front rims var.1	6,5Jx16 LM	6,5Jx16 LM, 7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx17 LM
Front rims var.2	7Jx17 LM	7Jx17 LM	6,5Jx16 LM	6,5Jx16 LM	7Jx17 LM	7Jx17 LM	N/A
Front rims var.3	7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx18 LM	7Jx18 LM	N/A
Front rims var.4	7Jx18 LM	7Jx18 LM	7Jx18 LM	7Jx18 LM	N/A	N/A	N/A
Rear tires	175/65 R15 84 H AS	175/65 R15 84 H AS, 195/55 R16 87 V AS	195/55 R16 87 V AS	195/55 R16 87 V AS	205/45 R17 88 V XL AS	205/45 R17 88 V XL AS	195/55 R16 87 W
Rear tires var.1	195/55 R16 87 V AS	195/55 R16 87 V AS, 205/45 R17 88 V XL AS	205/45 R17 88 V XL AS	205/45 R17 88 V XL AS	205/45 R17 88 W XL	205/45 R17 88 W XL	205/45 R17 88 W XL
Rear tires var.2	205/45 R17 88 V XL AS	205/45 R17 88 V XL AS, 205/45 R17 88 W XL	195/55 R16 87 W	195/55 R16 87 W	205/45 R17 88 Y XL	205/45 R17 88 Y XL	N/A
Rear tires var.3	205/45 R17 88 W XL	205/45 R17 88 W XL	205/45 R17 88 W XL	205/45 R17 88 W XL	205/40 R18 86 W XL	205/40 R18 86 W XL	N/A
Rear tires var.4	205/40 R18 86 W XL	205/40 R18 86 W XL	205/40 R18 86 W XL	205/40 R18 86 W XL	N/A	N/A	N/A
Rear rims	5,5Jx15 LM	5,5Jx15 LM, 6,5Jx16 LM	6,5Jx16 LM	6,5Jx16 LM	7Jx17 LM	7Jx17 LM	6,5Jx16 LM
Rear rims var.1	6,5Jx16 LM	6,5Jx16 LM, 7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx17 LM
Rear rims var.2	7Jx17 LM	7Jx17 LM	6,5Jx16 LM	6,5Jx16 LM	7Jx17 LM	7Jx17 LM	N/A
Rear rims var.3	7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx17 LM	7Jx18 LM	7Jx18 LM	N/A

Rear rims var.4	7Jx18 LM	7Jx18 LM	7Jx18 LM	7Jx18 LM	N/A	N/A	N/A
Run flat tires	no	no, yes	yes	yes	yes	yes	no
Run flat tires var.1	yes	yes	yes	yes	yes	yes	no
Run flat tires var.2	yes	no, yes	yes	yes	no	no	N/A
Run flat tires var.3	yes	yes	yes	yes	yes	yes	N/A
Run flat tires var.4, -	yes	yes	yes	yes	N/A	N/A	N/A
Steering							
Power-steering	EPS	EPS	EPS	EPS	EPS	EPS	EPS
Steering transmission, overall, :1	14	14	14	14	14	14	14
Tank							
US Tank capacity (gallons) - series, gal	11.6	11.6	11.6	11.6	11.6	11.6	N/A
Battery							
Battery Capacity (low voltage), Ah	70	70	70	70	70	70	50
System voltage (low voltage), V	12	12	12	12	12	12	12
US Driving Dynamic							
Track front (inch), inch	59.1	59.1	58.5	58.5	58.5	58.5	58.4
Rear track (inch), inch	59.1	59.1	58.5	58.5	58.5	58.5	58.8
Track front var.1 (inch), inch	58.5	58.5	58.5	58.5	58.5	58.5	58.4
Rear track var.1 (inch), inch	58.5	58.5	58.5	58.5	58.5	58.5	58.8
Track front var.2 (inch), inch	58.5	58.5	58.5	58.5	58.5	58.5	N/A
Rear track var.2 (inch), inch	58.5	58.5	58.5	58.5	58.5	58.5	N/A
Track front var.3 (inch), inch	58.5	58.5	58.5	58.5	58.5	58.5	N/A
Rear track var.3 (inch), inch	58.5	58.5	58.5	58.5	58.5	58.5	N/A
Track front var.4 (inch), inch	58.5	58.5	58.5	58.5	N/A	N/A	N/A
Rear track var.4 (inch), inch	58.5	58.5	58.5	58.5	N/A	N/A	N/A