

## U.S. Technical Specifications for all MY 2022 MINI Hardtop 2 Door variants

### MINI Cooper Hardtop 2 Door

#### Basic data summary

Transmission type	Manual
Engine description	B36A15M1
Seats	4
Number of doors	3-door car
Engine type	Front-wheel drive

#### Dimensions

##### Exterior

Vehicle length (L103 OTD), inch	152.2
Vehicle width (W103 OTD), inch	68
Vehicle width at side mirrors (W144) , inch	75.9
Vehicle height (inch), inch	55.7
Wheelbase(L101), inch	98.2
Overhang front (L104 OTD), inch	30.5
Overhang rear (L105 OTD), inch	23.5
Ground clearance; curb weight (H156 OTD), inch	5.6
Minimum turning clearance circle (D 102), ft	35.4

##### Interior

Leg room 1.SR (L34), inch	41.4
Leg room 2.SR (L51-2), inch	30.8
Shoulder room 1.SR (W3-1), inch	50.6
Shoulder room 2.SR (W3-2), inch	47.8
Head room 1.SR (H62-1), inch	40.3
Head room with sunroof 1.SR (H62-1 SR), inch	38.3
Head room 2.SR (H61-2), inch	36.9
Head room with sunroof 2.SR (H61-2 SR), inch	36.4
EPA passenger volume index front (SAE), ft <sup>3</sup>	48.8
EPA passenger volume index second (SAE), ft <sup>3</sup>	31.5

##### Luggage volumes

Press luggage volume US (V US Kom), ft <sup>3</sup>	8,7 - 34,0
EPA luggage volume (SAE), ft <sup>3</sup>	8.7

##### Weight

Gross vehicle weight, lbs	3505
Payload lbs, lbs	697
Front axle load lbs, lbs	1973
Axle load limit rear, lbs	1664
Vehicle weight without driver empty fuel tank, lbs	2646
Vehicle weight without driver empty fuel tank -FA, lbs	1669
Vehicle weight without driver empty fuel tank -RA, lbs	977
Vehicle curb weight inkl. 100% SAa und 33% SAs, lbs	2712

##### Performance

Final drive ratio	3.421
US Top speed, mph	130
0-60 mph, s	7.6

#### High-voltage battery

Battery Capacity (high voltage), Ah	N/A
System voltage (high voltage), V	N/A
Battery type high voltage	N/A
Gross battery content high voltage, kWh	N/A
Net battery content high voltage, kWh	N/A
Battery Position high voltage	N/A
charging variation 1	N/A
charging variation 2	N/A
charging time 1 (0-80% SoC), h	N/A
charging time 1 (0-100% SoC), h	N/A
charging time 2 (0-80% SoC), h	N/A
charging time 2 (0-100% SoC), h	N/A

#### Motor Data

##### Electric motor 1

Motor function (1. E-engine)	N/A
Engine (1. E-engine)	N/A
At rpm (1. E-engine), 1/min	N/A
Range at Peak torque (1.E-engine), 1/min	N/A
Maximum engine speed at Peak torque (1.E-Motor), 1/min	N/A
Minimum engine speed at Peak torque (1.E-Motor), 1/min	N/A
RPM at 30 min peak power (1. E-engine), 1/min	N/A
PRM at 60 min peak power (1.E-engine), 1/min	N/A
Engine Config (1. E-engine)	N/A
EM - Transmission ratio 1st gear**, 1st**	N/A
Transmission Identification of E-motor	N/A
Engine power bHP (1. E-engine), bHP	N/A
Peak power bHP (1. E-engine), bHP	N/A

#### Motor

Engine type	B36A15M1
Cylinders	3
Valves p.cyl.	4
Lifting (inch), inch	3.72
Bore (inch), inch	3.23
Capacity (inch <sup>3</sup> ), inch	91.46
Engineoil, quarts	4.8
Engine torque, ftlbs	162
Engine power (bHP), bHP	134
rpm at maximum power, 1/min	4500-6500
Fuel type	gasoline
Useable Fuel quality	AKI 89 MIN
Recommended Fuel Quality	AKI 91

#### Gearbox

**Combustion engine**

Transmission type V	GS6-58BG
Transmission type	Manual
Nr. of gears	6
Transmission ratio 1st gear**; 1st**	3.615
Transmission ratio 2nd gear**; 2nd**	1.952
Transmission ratio 3rd gear**; 3rd**	1.241
Transmission ratio 4th gear**; 4th**	0.969
Transmission ratio 5th gear**; 5th**	0.806
Transmission ratio 6th gear**; 6th**	0.683
Transmission ratio 7th gear**; 7th**	N/A
Transmission ratio 8th gear**; 8th**	N/A
Transmission ratio reverse gear**	3.538

**Aerodynamics**

CXA min (ft <sup>2</sup> ), ft	6.68
CXA max (ft <sup>2</sup> ), ft	7.58
Facing surface (A Stirn), ft	22.28

**Emission**

Emission classification (type-certified)***	SULEV30
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**Chassis****Wheel/Tires**

Front tires	175/65 R15 84 H AS
Front tires var.1	195/55 R16 87 V AS
Front tires var.2	205/45 R17 88 V XL AS
Front tires var.3	205/45 R17 88 W XL
Front tires var.4	205/40 R18 86 W XL
Front rims	5,5Jx15 LM
Front rims var.1	6,5Jx16 LM
Front rims var.2	7Jx17 LM
Front rims var.3	7Jx17 LM
Front rims var.4	7Jx18 LM
Rear tires	175/65 R15 84 H AS
Rear tires var.1	195/55 R16 87 V AS
Rear tires var.2	205/45 R17 88 V XL AS
Rear tires var.3	205/45 R17 88 W XL
Rear tires var.4	205/40 R18 86 W XL
Rear rims	5,5Jx15 LM
Rear rims var.1	6,5Jx16 LM
Rear rims var.2	7Jx17 LM
Rear rims var.3	7Jx17 LM
Rear rims var.4	7Jx18 LM
Run flat tires	no
Run flat tires var.1	yes
Run flat tires var.2	yes
Run flat tires var.3	yes
Run flat tires var.4, -	yes

<b>Steering</b>	
Power-steering	EPS
Steering transmission, overall, :1	14
<b>Tank</b>	
US Tank capacity (gallons) - series, gal	11.6
<b>Battery</b>	
Battery Capacity (low voltage), Ah	70
System voltage (low voltage), V	12
<b>US Driving Dynamic</b>	
Track front (inch), inch	59.1
Rear track (inch), inch	59.1
Track front var.1 (inch), inch	58.5
Rear track var.1 (inch), inch	58.5
Track front var.2 (inch), inch	58.5
Rear track var.2 (inch), inch	58.5
Track front var.3 (inch), inch	58.5
Rear track var.3 (inch), inch	58.5
Track front var.4 (inch), inch	58.5
Rear track var.4 (inch), inch	58.5

MINI Cooper Hardtop 2 Door		MINI Cooper S Hardtop 2 Door	
DCT B36A15M1 4 3-door car Front-wheel drive		Manual B46A20M1 4 3-door car Front-wheel drive	
152.2		152.8	
68		68	
75.9		75.9	
55.7		55.7	
98.2		98.2	
30.5		30.5	
23.5		24	
5.6		5.6	
35.4		35.4	
41.4		41.4	
30.8		30.8	
50.6		50.6	
47.8		47.8	
40.3		40.3	
38.3		38.3	
36.9		36.9	
36.4		36.4	
48.8		48.8	
31.5		31.5	
8,7 - 34,0		8,7 - 34,0	
8.7		8.7	
3549		3616	
694		710	
2028		2061	
1664		1687	
2703		2740	
1729		1752	
974		988	
2769		2813	

3.789  
130  
7.6

3.588  
145  
6.5

N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A

N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
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N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A

B36A15M1  
3  
4  
3.72  
3.23  
91.46  
4.8  
162  
134  
4500-6500  
gasoline  
AKI 89 MIN  
AKI 91

B46A20M1  
4  
4  
3.72  
3.23  
121.95  
5.5  
206  
189  
5000-6000  
gasoline  
AKI 89 MIN  
AKI 91

GD7F32AG

DCT

7

15.741

9.284

5.899

4.129

3.196

2.558

2.073

N/A

14.22

GS6-59SG

Manual

6

3.923

2.136

1.393

1.088

0.892

0.756

N/A

N/A

3.538

6.68

7.58

22.28

7.39

7.84

22.39

SULEV30

SULEV30

175/65 R15 84 H 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, 205/45 R17 88 W XL  
205/45 R17 88 W XL  
205/40 R18 86 W XL  
5,5Jx15 LM, 6,5Jx16 LM  
6,5Jx16 LM, 7Jx17 LM  
7Jx17 LM  
7Jx17 LM  
7Jx18 LM

175/65 R15 84 H 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, 205/45 R17 88 W XL  
205/45 R17 88 W XL  
205/40 R18 86 W XL  
5,5Jx15 LM, 6,5Jx16 LM  
6,5Jx16 LM, 7Jx17 LM  
7Jx17 LM  
7Jx17 LM  
7Jx18 LM  
no, yes  
yes  
no, yes  
yes  
yes

195/55 R16 87 V AS  
205/45 R17 88 V XL AS  
195/55 R16 87 W  
205/45 R17 88 W XL  
205/40 R18 86 W XL  
6,5Jx16 LM  
7Jx17 LM  
6,5Jx16 LM  
7Jx17 LM  
7Jx18 LM

195/55 R16 87 V AS  
205/45 R17 88 V XL AS  
195/55 R16 87 W  
205/45 R17 88 W XL  
205/40 R18 86 W XL  
6,5Jx16 LM  
7Jx17 LM  
6,5Jx16 LM  
7Jx17 LM  
7Jx18 LM  
yes  
yes  
yes  
yes  
yes







MINI Cooper S Hardtop 2 Door

MINI John Cooper Works Hardtop



DCT  
B46A20M1  
4  
3-door car  
Front-wheel drive

Manual  
B46A20O1  
4  
3-door car  
Front-wheel drive



152.8  
68  
75.9  
55.7  
98.2  
30.5  
24  
5.6  
35.4

152.8  
68  
75.9  
55.7  
98.2  
30.5  
24  
5.6  
35.4



41.4  
30.8  
50.6  
47.8  
40.3  
38.3  
36.9  
36.4  
48.8  
31.5

41.4  
30.8  
50.6  
47.8  
40.3  
38.3  
36.9  
36.4  
48.8  
31.5



8,7 - 34,0  
8.7

8,7 - 34,0  
8.7



3627  
692  
2094  
1687  
2769  
1784  
985  
2842

3715  
787  
2072  
1764  
2820  
1795  
1025  
2892



3.474	3.824
145	149
6.4	6.1

N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

B46A20M1	B46A20O1
4	4
4	4
3.72	3.72
3.23	3.23
121.95	121.95
5.5	5.5
206	235
189	228
5000-6000	5200-6200
gasoline	gasoline
AKI 89 MIN	AKI 89 MIN
AKI 91	AKI 91

GD7F32AG

GS6-59SG

DCT

Manual

7

6

14.429

3.923

8.511

2.136

5.408

1.393

3.785

1.088

2.93

0.892

2.345

0.756

1.901

N/A

N/A

N/A

13.035

3.538

7.39

7.65

7.84

7.87

22.39

22.5

SULEV30

SULEV30

195/55 R16 87 V AS

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

205/45 R17 88 Y XL

205/45 R17 88 W XL

205/40 R18 86 W XL

205/40 R18 86 W XL

N/A

6,5Jx16 LM

7Jx17 LM

7Jx17 LM

7Jx17 LM

6,5Jx16 LM

7Jx17 LM

7Jx17 LM

7Jx18 LM

7Jx18 LM

N/A

195/55 R16 87 V AS

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

205/45 R17 88 Y XL

205/45 R17 88 W XL

205/40 R18 86 W XL

205/40 R18 86 W XL

N/A

6,5Jx16 LM

7Jx17 LM

7Jx17 LM

7Jx17 LM

6,5Jx16 LM

7Jx17 LM

7Jx17 LM

7Jx18 LM

7Jx18 LM

N/A

yes

yes

yes

yes

yes

no

yes

yes

yes

N/A

EPS	EPS
14	14
11.6	11.6
70	70
12	12
58.5	58.5
58.5	58.5
58.5	58.5
58.5	58.5
58.5	58.5
58.5	58.5
58.5	58.5
58.5	58.5
58.5	N/A
58.5	N/A



MINI John Cooper Works Hardtop

MINI Cooper SE Electric



Automatic  
B46A2001

Automatic  
IB1P23M0

4

4

3-door car

3-door car

Front-wheel drive

Front-wheel drive



152.8  
68  
75.9  
55.7  
98.2  
30.5  
24  
5.6  
35.4

151.7  
68  
75.9  
56.4  
98.2  
30.5  
23  
5  
35.1



41.4  
30.8  
50.6  
47.8  
40.3  
38.3  
36.9  
36.4  
48.8  
31.5

41.4  
30.8  
50.6  
47.8  
40.3  
38.3  
36.9  
36.4  
48.8  
31.5



8,7 - 34,0  
8.7

8,7 - 34,0  
8.7



3770  
772  
2150  
1764  
2879  
1869  
1010  
2952

3913  
743  
2172  
1929  
3144  
1828  
1316  
3144



2.955	N/A
149	93
5.9	6.9



N/A	93.2
N/A	350.4
N/A	li-Ion
N/A	32.64
N/A	28.9

N/A	Vehicle underfloor mid.
N/A	AC Typ 1; 7,4 kW Mode3 Wallbox 1ph
N/A	DC CCS1 50 kW
N/A	3.2
N/A	4.2
N/A	0.6
N/A	1.4



N/A	electrical traction maschine
N/A	IB1P23M0
N/A	7000
N/A	100-1000
N/A	1000
N/A	100
N/A	4800
N/A	4800

N/A	permanent erregte Synchronmaschine
N/A	8.961
N/A	GE1B134H
N/A	101
N/A	181



B46A2001	N/A
4	N/A
4	N/A
3.72	N/A
3.23	N/A
121.95	N/A
5.5	N/A
235	N/A
228	N/A
5200-6200	N/A
gasoline	N/A
AKI 89 MIN	N/A
AKI 91	N/A



GA8Q45CW

N/A

Automatic

Automatic

8

N/A

5.519

N/A

3.184

N/A

2.05

N/A

1.492

N/A

1.235

N/A

1

N/A

0.801

N/A

0.673

N/A

4.221

N/A

7.65

6.78

7.87

6.78

22.5

22.6

SULEV30

ZEV

205/45 R17 88 V XL AS

195/55 R16 87 W

205/45 R17 88 W XL

205/45 R17 88 W XL

205/45 R17 88 Y XL

N/A

205/40 R18 86 W XL

N/A

N/A

N/A

7Jx17 LM

6,5Jx16 LM

7Jx17 LM

7Jx17 LM

7Jx17 LM

N/A

7Jx18 LM

N/A

N/A

N/A

205/45 R17 88 V XL AS

195/55 R16 87 W

205/45 R17 88 W XL

205/45 R17 88 W XL

205/45 R17 88 Y XL

N/A

205/40 R18 86 W XL

N/A

N/A

N/A

7Jx17 LM

6,5Jx16 LM

7Jx17 LM

7Jx17 LM

7Jx17 LM

N/A

7Jx18 LM

N/A

N/A

N/A

yes

no

yes

no

no

N/A

yes

N/A

N/A

N/A

EPS	EPS
14	14
11.6	N/A
70	50
12	12
58.5	58.4
58.5	58.8
58.5	58.4
58.5	58.8
58.5	N/A
58.5	N/A
58.5	N/A
58.5	N/A
N/A	N/A
N/A	N/A