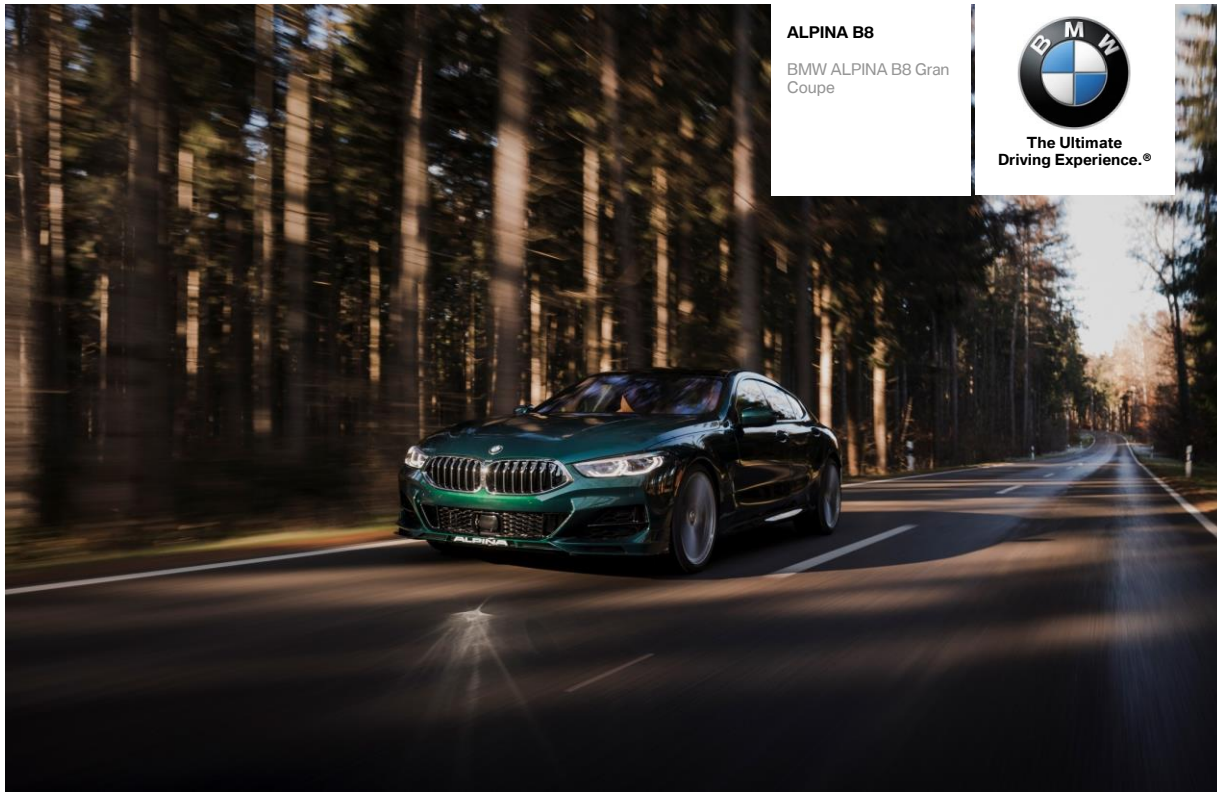




BMW ALPINA B8 Gran Coupé.

2022MY PRODUCT GUIDE.

BMW 8 Series Coupé,
G16, US, BMW
[Validity date: 01.09.2021]

GX03

BMW ALPINA B8 4-door coupe

Basic data summary

Transmission type	automatic
Engine description	N63B44T3
Seats	5
Number of doors	4-door car
Engine type	Four-wheel drive
SOV	01.07.2021-31.10.2021

Gearbox

Combustion engine

Transmission ratio 2nd gear**; 2nd**	3.2
Transmission ratio 7th gear**; 7th**	0.823
Transmission ratio reverse gear**	3.478
Transmission ratio 6th gear**; 6th**	1
Transmission ratio 1st gear**; 1st**	5
Transmission ratio 3rd gear**; 3rd**	2.143
Transmission ratio 5th gear**; 5th**	1.313
Transmission ratio 4th gear**; 4th**	1.72
Transmission ratio 8th gear**; 8th**	0.64
Nr. of gears	8
Transmission type	automatic
Transmission type V	8HP76

Motor data

Motor

Cylinders	8
Valves p.cyl.	4
Emission classification (type-certified)***	ULEV125
Engine type	N63B44T3
Useable Fuel quality	AKI 91 MIN
Fuel type	gasoline
recomm.	AKI 93
Compression rate, :1	10.5
minimum Engine speed at maximum torque, 1/min	2000
maximum Engine speed at maximum power, 1/min	6500
maximum Engine speed at maximum torque, 1/min	5000
minimum Engine speed at maximum power, 1/min	5500
rpm at maximum torque, 1/min	2000-5000
rpm at maximum power, 1/min	5500-6500
Engine power (bHP), bHP	612
Displacement, cm ³	4395
Rated engine power (kW), kW	457

Engine oil (exchange quantity), l	10.5
Stroke, mm	88.3
Bore, mm	89
Engine torque, Nm	800
Engine power (HP), PS	621
Communication	
Power to weight ratio, kg/kW	4.8
Output per litre, kW/dm ³	104
US Motor conversion	
Engineoil	11.1
Engine torque, ftlbs	590
Bore (inch), inch	3.5
Lifting (inch), inch	3.48
Capacity (inch ³), inch	268.17
Aerodynamics	
Cx	
Cx Max	0.34
Cx Min	0.31
Cx Range, m ²	0.31-0.34
Cx x A	
Cx x A Min, m ²	0.73
Cx x A Max, m ²	0.8
Dimensions	
Interior	
Seats overall (N-ges)	5
Seats 2.SR (N-2)	3
Head room 1.SR(H62-1), mm	1031
Head room 2.SR with sunroof(H61-2 SR), mm	940
Shoulder room 2.SR(W3-2), mm	1387
Elbow width 2.SR (W3-2), mm	1454
Leg room 1.SR(L34), mm	1070
Knee clearance 2.SR (L48-2 Prak), mm	105
Elbow width 1.SR (W3-1), mm	1520
Shoulder room 1.SR(W3-1), mm	1454
Leg room 2.SR(L51-2), mm	929
Head room 2.SR(H61-2), mm	943
Head room1.SR with sunroof (H62-1 SR), mm	993
Offroad data	
Ground clearance; curb weight (H156 OTD), mm	135
Exterior	
Minimum turning circle (D102), m	12.6
Facing surface (ASTirn), m ²	2.35
Vehicle height, mm	1423
Vehicle width (W103 OTD), mm	1932
Vehicle width at side mirrors (W144), mm	2137
Wheelbase (L101), mm	3023

Vehicle length, mm	5092
Width at driver's mirror (W114-D) , mm	1074
Width at passenger's mirror (W114-P), mm	1063
Overhang rear (L105OTD), mm	1112
Overhang front (L104 OTD), mm	957
Luggage volumes	
EPA luggage volume (SAE), ft ³	15.5
Press luggage volume US (V US Kom), ft ³	15.5
Luggage volume (V210-2 Kom), l	440
Performance /fuel eco.	
Performance	
Final drive ratio	2.813
Top speed, km/h	270/324
US Top speed, mph	168/201
0-100Km/h, s	3.4
0-60 mph, s	3.3
chassis	
Wheel/Tyres	
Rear tyres	285/30 ZR21 (100Y)
Front tyres var.4	N/A
Front rims var.1	8,5Jx20
Front rims var.3	N/A
Rear rims var.3	N/A
Front tyres var.1	245/40 ZR20 99Y AS
Front rims	8,5Jx21
Rear rims	10Jx21
Rear rims var.4	N/A
Front tyres	245/35 ZR21 (96Y)
Rear tyres var.4	N/A
Rear tyres var.1	275/35 ZR 20 102Y AS
Rear rims var.1	10Jx20
Front tyres var.2	245/40 ZR20 99W M+S
Rear tyres var.3	N/A
Front rims var.4	N/A
Front tyres var.3	N/A
Front rims var.2	8,5Jx20
Rear rims var.2	10Jx20
Rear tyres var.2	275/35 ZR 20 102W M+S
SCR (Yes/No)	no
Run flat tyres var.1	no
Run flat tyres	no
Run flat tyres var.3	N/A
Run flat tyres var.2	no
Wheel offset rear, mm	44
Track front var.1, mm	1623
Wheel offset front var.2, mm	28

Width of the rear track, mm	1666
Wheel offset front, mm	28
Wheel offset rear var.2, mm	44
Track front var.4, mm	N/A
Track rear var.2, mm	1666
Track rear var.3, mm	N/A
Wheel offset rear var.3, mm	N/A
Track front, mm	1623
Track front var.2, mm	1623
Wheel offset front var.3, mm	N/A
Wheel offset rear var.4, mm	N/A
Wheel offset front var.1, mm	28
Wheel offset rear var.1, mm	44
Wheel offset front var.4, mm	N/A
Track rear var.1, mm	1666
Track front var.3, mm	N/A
Track rear var.4, mm	N/A
Run flat tyres var.4, -	N/A

Steering

Power-steering	APA EPS
Steering transmission, overall, :1	14.9

Weight

Vehicle weights

rear Weight distribution (empty car), %	46.8
Curb weight (without driver), kg	2191
Axle load limit front, kg	1300
rear axle load limit, kg	1360
Gross veh. weight, kg	2600
Payload, kg	394
vehicle curb weight without driver (rear axle), kg	1026
vehicle curb weight without driver (front axle), kg	1165

US weights

vehicle curb weight inkl. 100% SAa und 33% SAs, lbs	4831
Axle load limit rear, lbs	2998
gross vehicle weight, lbs	5732
Front axle load lbs, lbs	2866
Payload lbs, lbs	869
vehicle weight without driver empty fuel tank, lbs	4718
vehicle weight without driver empty fuel tank -FA, lbs	2545
vehicle weight without driver empty fuel tank -RA, lbs	2173

Battery

Battery Capacity (low voltage), Ah	90
System voltage (low voltage), V	12

Dimensions conversion

Minimum turning clearance circle (D 102), ft	41.3
Facing surface (A Stirn), ft	25.3

EPA passenger volume index front (SAE), ft ³	56.6
EPA passenger volume index second (SAE), ft ³	42.9
Vehicle height (inch), inch	56
Wheelbase(L101), inch	119
Head room with sunroof 2.SR (H61-2 SR), inch	37
Leg room 1.SR (L34), inch	42.1
Vehicle width at side mirrors (W144) , inch	84.1
Ground clearance; curb weight (H156 OTD), inch	5.3
Head room 2.SR (H61-2), inch	37.1
Vehicle length (L103 OTD), inch	200.5
Shoulder room 2.SR (W3-2), inch	54.6
Overhang rear (L105 OTD), inch	43.8
Leg room 2.SR (L51-2), inch	36.6
Vehicle width (W103 OTD), inch	76.1
Head room with sunroof 1.SR (H62-1 SR), inch	39.1
Overhang front (L104 OTD), inch	37.7
Shoulder room 1.SR (W3-1), inch	57.2
Head room 1.SR (H62-1), inch	40.6
Aerodynamics conversion	
CXA min (ft ²), ft	7.84
CXA max (ft ²), ft	8.6
Tank	
US Tank capacity (gallons) - series, gal	18
Fuel tank capacity (approx.) , l	68
US driving dynamic conversion	
Track front var.3 (inch), inch	N/A
Rear track (inch), inch	65.6
Rear track var.1 (inch), inch	65.6
Rear track var.2 (inch), inch	65.6
Rear track var.3 (inch), inch	N/A
Track front var.2 (inch), inch	63.9
Track front var.4 (inch), inch	N/A
Rear track var.4 (inch), inch	N/A
Track front (inch), inch	63.9
Track front var.1 (inch), inch	63.9

Changed values (previous values in brackets)
02.05.2021 (DOC selected) vs. 19.12.2020 (DOC previous)

Wheel Overview

Model Year 2022

ALPINA B8



Code: **ZA6**
Style: **CS20**

21" ALPINA Wheels,
Classic CS20, Perf.
Non-RFT

Front:
21x8.5, 245/35 R21
Rear:
21x10.0, 285/30 R21



Code: **ZA8**
Style: **CS17**

20" ALPINA Wheels,
Classic CS17, A/S Non-
RFT

Front:
20x8.5, 245/40 R20
Rear:
20x10.0, 275/35 R20

ALPINA
B8
Standard

Optional
(Requires
927 on
indicated
models)