

BMW 3 Series Sedan,
G20, ROW, BMW
[Validity date: 01.09.2024]

New model types

40GK

BMW 330e 4-door Saloon

Basic data summary

Transmission type	automatic
Engine description	XB1141M1
Seats	5
Number of doors	4-door car
Drivetrain	Rear-wheel drive
SOV	01.08.2024-30.11.2024

Gearbox

Gearbox

Total internal ratios gearbox - 1st, -	4.714
ICE main gearbox - type, -	automatic
ICE main gearbox - number of gears, -	8
Axle drive front axle - ratio, -	N/A
ICE AWD transfer case/PTO - ratio, -	N/A
Axle drive rear axle - ratio, -	3.231
Total internal ratios gearbox - 2nd, -	3.143
Total internal ratios gearbox - 4th, -	1.667
Total internal ratios gearbox - 5th, -	1.285
Total internal ratios gearbox - 6th, -	1
Total internal ratios gearbox - 3rd, -	2.106
Total internal ratios gearbox - 8th, -	0.667
Total internal ratios gearbox - R, -	3.317
Total internal ratios gearbox - 7th, -	0.839

Combustion engine

ICE main gearbox - gearbox code, -	GA8P75HZ
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Electric motor

Ratio between the electric machine rotational speed and the reference rotational speed, -	1
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Motor data

Motor data	
ICE - maximum rpm to rated power, 1/min	6500
ICE - minimum rpm to rated power, 1/min	5000
ICE - rated power (pre/actual to SAE) - BHP, bHP	181
ICE - rated power (pre/actual to ECE-R85, GBT-17692-1999) - PS, PS	184
Weight to power ratio, kg/kW	8.5
Communication	
System engine power (cumul.) start up mode - BHP, bHP	248
System engine torque (cumul.) start up mode - ftlbs, ftlbs	310
System engine power (cumul.) start up mode, kW	185
System engine torque (cumul.) start up mode, Nm	420
System engine power (cumul.) start up mode - PS, PS	252
System engine power (cumul.) - BHP, bHP	288
System engine torque (cumul.) - ftlbs, ftlbs	310
System engine power (cumul.), kW	215
System engine torque (cumul.), Nm	420
System engine power (cumul.) - PS, PS	292
Engine power communication - BHP, bHP	288
Engine torque communication - ftlbs, ftlbs	310
Engine power communication, kW	215
Engine torque communication, Nm	420
Engine power communication - PS, PS	292
Identifier power configuration, -	20
Power MHEV/PHEV-system communication - BHP, bHP	107
Torque MHEV/PHEV-system communication - ftlbs, ftlbs	195
Power MHEV/PHEV-system communication, kW	80
Torque MHEV/PHEV-system system communication, Nm	265
Power MHEV/PHEV-system communication - PS, PS	109
Motor	
ICE - valves per cylinder	4
ICE - rpm(s) to rated torque, 1/min	1350 - 4000
ICE - rpm(s) to rated power, 1/min	5000 - 6500
ICE - engine code, -	B48B20M1
ICE - location stamping of engine serial number, -	Auf dem Kurbelgehäuse

ICE - gasoline octane number power rating, -	RON 98
ICE - gasoline octane number minimum, -	RON 91
ICE - gasoline octane number recommended, -	RON 95
ICE - gasoline max. ethanol share, -	E25
ICE - location sticker engine number, -	Motorabdeckung

Combustion engine

Combustion engine

ICE - rpm to rated power, 1/min	5000
ICE - cylinders, -	4
ICE - compression ratio, :1	11
ICE - minimum rpm to rated torque, 1/min	1350
ICE - maximum rpm to rated torque, 1/min	4000
ICE - displacement, cm ³	1998
ICE - stroke, mm	94.6
ICE - bore, mm	82
ICE - location stamping of engine identification, -	Auf dem Kurbelgehäuse
ICE - fuel type, -	Benzin
ICE - rated power (pre/actual to ECE-R85, GBT-17692-1999), kW	135
ICE - rated torque (pre/actual to ECE-R85, GBT-17692-1999), Nm	300

US Motor conversion

US Motor conversion

ICE - rated torque (pre/actual to SAE) - ftlbs, ftlbs	221
ICE - bore - inch, inch	3.23
ICE - stroke - inch, inch	3.72
ICE - displacement - inch ³ , inch	121.93

Elektrisches System Antrieb

Elektrisches System Antrieb

Electrical system without homologation - power (peak) - BHP, bHP	N/A
Electrical system rear axle drive - power (ECE R85 rated power) - BHP, bHP	107
Electrical system rear axle drive - power (ECE R85 30 Min.), kW	55
Electrical system without homologation - power (peak), kW	N/A
Electrical system rear axle drive - power (ECE R85 rated power), kW	80
Electrical system rear axle drive - torque (ECE R85 rated torque), Nm	265
Electrical system rear axle drive - torque (ECE R85 rated torque) - ftlbs, ftlbs	195

Electrical system without homologation - power (peak) - PS, PS	N/A
Electrical system rear axle drive - power (ECE R85 rated power) - PS, PS	109
Electrical system rear axle drive - location, -	Integriert ins Automatikgetriebe
Electrical system rear axle drive - rpm to "ECE R85 rated torque", -	100-2500
Electrical system rear axle drive - rpm to "ECE R85 rated power", -	3140
Electrical system rear axle drive - synchronous/asynchronous, -	synchron
Electrical system rear axle drive - excitation type, -	permanentterregt
Electrical system without homologation - torque (peak) - ftlbs, ftlbs	N/A
Electrical system without homologation - torque (peak), Nm	N/A

Dimensions

Exterior

Departure angle; curb weight (A106-2 OTD), °	17.2
Approach angle; curb weight (A106-1 OTD), °	17.2
Lift in height (H196), mm	683
Minimum turning circle (D102), m	11.4
Facing surface (AStirn), m ²	2.25
Vehicle height (H101-M), mm	1446
Vehicle width (W103 OTD), mm	1827
Vehicle width at side mirrors (W144)__alt, mm	2068
Wheelbase (L101), mm	2851
Vehicle length (L103 OTD), mm	4713
Width at driver's mirror (W114-D), mm	1040
Width at passenger's mirror (W114-P), mm	1028
Overhang rear (L105 OTD), mm	1059
Overhang front (L104 OTD), mm	803
Front wheel centre to luggage floor (l114-G), mm	3201

Offroad data

Ramp angle; curb weight (A147 OTD), °	12
Ground clearance, curb weight (H156 OTD), mm	141

Dimensions

Distance of the R point to the front axle, mm	1574
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Interior

Head room 1.SR (H62-1), mm	1030
Head room 2.SR with sunroof (H61-2 SR), mm	957

Shoulder room 2.SR(W3-2), mm	1387
Elbow width 2.SR (W3-2), mm	1460
Leg room 1.SR(L34), mm	1058
Knee clearance 2.SR (L48-2 Prak)_alt, mm	57
Elbow width 1.SR (W10-1), mm	1456
Shoulder room 1.SR(W3-1), mm	1422
Leg room 2.SR(L51-2), mm	899
Head room 2.SR (H61-2), mm	961
Head room 1.SR with sunroof (H62-1 SR), mm	993
Centre of front wheel to SRP 2.SR (L114-2), mm	2402

Luggage volumes

Luggage volume (V210-2 Kom), l	375
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SEATS_MISCELLANEOUS

SEATS_OTHER_NUMBER

Seat, Total number seats, -	5
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2_ROW_OF_SEATS

2SR_MASS_NUMBER

Seat, row 2_ Number seats, -	3
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Performance

Performance

0-100Km/h, s	5.9
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V_Max

V_Max

Top speed, km/h	230
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Top speed electric (PHEV), km/h	140
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chassis

chassis

track rear, mm	1598
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track front, mm	1583
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Wheel/Tyres

Rear tyres	225/45 R18 95 Y XL
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Front rims	7,5Jx18 LM
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Rear rims	7,5Jx18 LM
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Front tyres	225/45 R18 95 Y XL
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Run flat tyres	no
Wheel offset rear, mm	25
Wheel offset front, mm	25

Steering

Power-steering	EPS
Steering transmission, overall, :1	14.1

F_tread/camber

F_tread/camber

track rear at inset=0, mm	1648
track front at inset=0, mm	1633

SCR

SCR

AdBlue volume (active tank), l	N/A
AdBlue volume (passive tank), l	N/A
AdBlue total volume (active+passive), l	N/A
SCR-type passive tank, -	N/A
SCR (yes/no), -	nein
SCR-type active tank, -	N/A

HIGH_VOLTAGE_BATTERY

HIGH_VOLTAGE_BATTERY

REESS - Nominal capacity (gross), Ah	57
Rated voltage REESS [V], V	391
REESS - Installation location in vehicle, -	Unterflur

Electrical Storage

Electrical Storage

REESS - Energy content (net), kWh	19.5
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Storage Data

REESS - Energy content (gross), kWh	22.3
REESS - Type/Technology, -	Li-Ion

Weights

Weights

curb weight (without driver), kg	1835
vehicle curb weight with driver, kg	1910
technically permissible maximum laden mass, kg	2360

technically permissible maximum laden mass front axle, kg	1080
technically permissible maximum laden mass rear axle, kg	1375
vehicle curb weight with driver (front axle), kg	899
vehicle curb weight with driver (rear axle), kg	1011
vehicle curb weight without driver (rear axle), kg	970
vehicle curb weight without driver (front axle), kg	865
trailer nose weight, kg	75
technically permissible maximum laden mass with trailer, kg	2435
trailer load unbraked, kg	750
rear axle load with trailer, kg	1490
gross vehicle weight with trailer 12% category I and II, kg	3860
roof load, kg	75
mass of max. optional equipment, kg	130

Vehicle weights

vehicle curb weight without driver (rear axle part) (%)_alt, %	52.9
catalog- payload_alt, kg	525
exceeding of the technically permissible maximum laden mass on the front axle_alt, -	-40
technically permissible maximum laden mass front axle without trailer_old, -	1080
technically permissible maximum laden mass with trailer front axle_old, -	945
exceeding of the technically permissible maximum laden mass_alt, -	75
rated cargo and luggage mass min_alt, -	54
rated cargo and luggage mass max_alt, -	184
exceeding of the technically permissible maximum laden mass on the rear axle_alt, -	115

Trailer operation

trailer load braked 12% category I and II_old, kg	1500
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FUEL_TANK

FUEL_TANK

Fuel tank capacity US (gallons) - series, gal	10.6
Fuel tank capacity (approx.), l	40

charging data

charging data

Charging variation AC_1, -	AC Laden bei 2,3kW (230V, 10A) x 1ph
Charging time charging variation AC_1 (0-100%), -	12:00
Charging variation AC_2, -	32A) x 1ph, AC Laden bei 7,4kW (230V

Charging time charging variation AC_2 (0-100%), -
Charging variation AC_3, -
Charging time charging variation AC_3 (0-100%), -
maximum charging power AC_standard, kW

3:30
AC Laden bei 11kW (230V, 16A) x 3ph
2:15
11

Changed values (previous values in brackets)
29.04.2024 (DOC selected) vs. 22.12.2023 (DOC previous)

Please note: Technical data show BC/WC ranges. Option specific configuration (pre-configuration) cannot be considered. If needed the information can be retrieved from WLTP sales documentation instead. If there is more than one value, the first one is the selected one.
Creation date: 07.05.2024

1 one value for a numerical data field within a combination of model type and transmission type, then the BC/WC value is shown. In case of non-numerical data fields, the values are separated by ",".