

Specifications.

BMW M8 Coupe.

M8.



BMW M8 Coupe		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4867 / 1907 / 1362
Wheelbase	mm	2827
Track, front/rear	mm	1627 / 1632
Ground clearance	mm	³⁾
Turning circle	m	12.2
Fuel tank capacity	approx. l	68
Engine oil ¹⁾	l	10.0
Weight, unladen, to DIN/EU	kg	1885 / 1960
Max load to DIN	kg	500
Max permissible weight	kg	2385
Max axle load, front/rear	kg	1200 / 1230
Max trailer load, braked (12%/unbraked)	kg	- / -
Max roofload/max towbar download	kg	³⁾ / -
Luggage comp capacity	l	420
Air resistance	$c_d \times A$	³⁾
Power Unit		
Config/No of cyls/valves		V / 8 / 4
Engine technology		M TwinPower Turbo technology with cross-bank exhaust manifold: M TwinScroll twin turbocharger, indirect charge air cooling, High Precision Injection (maximum injection pressure: 350 bar), VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.0
Fuel		RON 98 (min. RON 91)
Max output	kW/hp	441 / 600
at	rpm	6000
Max torque	Nm	750
at	rpm	1800 – 5600
Electrical System		
Battery/installation	Ah/-	70 (Li-ion) / Luggage compartment
Driving Dynamics and Safety		
Suspension, front		Adaptive M suspension with double wishbone axle in lightweight aluminium construction, M-specific kinematics and elastokinematics, Variable Damper Control
Suspension, rear		Adaptive M suspension with five-link axle in lightweight aluminium construction, M-specific elastokinematics, Variable Damper Control
Brakes, front		M compound brakes, vented, with six-piston fixed callipers
Brakes, rear		M compound brakes, vented, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), can be switched off; CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential, DSC linked with M xDrive all-wheel drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) with M-specific Servotronic function and variable sport ratio
Steering ratio, overall	:1	14.3
Tyres, front/rear		275/40 ZR19 105Y XL 285/40 ZR19 107Y XL
Rims, front/rear		9.5J x 19 light-alloy 10.5J x 19 light-alloy

BMW M8 Coupe

Power Transfer

M xDrive intelligent all-wheel-drive system, central transfer case with fully-variable multi-plate clutch, fully-variable torque distribution between front and rear axle, rear differential with fully-variable Active M Differential, locking effect 0 – 100 per cent

Transmission

Type of transmission	Eight-speed M Steptronic transmission with Drivelogic, transmission oil cooling		
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	3.154

Performance

Power-to-weight ratio (DIN)	kg/kW	4.3
Output per litre	kW/l	100.3
Acceleration 0–100 km/h	s	3.3
Acceleration 0–200 km/h	s	10.8
Top speed	km/h	250 / 305 ²⁾

BMW EfficientDynamics

BMW EfficientDynamics standard features Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator in manual shift mode, BMW EfficientLightweight, on-demand operation of ancillary units, Li-ion battery, map-regulated oil pump, rear differential and transfer case with optimised efficiency, optimised aerodynamics (underside panelling, front spoiler, rear spoiler)

Fuel Consumption ECE

with standard tyres		
Urban	l/100 km	15.2 – 15.2
Extra-urban	l/100 km	8.0 – 7.7
Combined	l/100 km	10.6 – 10.5
CO ₂	g/km	242 – 238
Emission rating		Euro 6d-TEMP

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

¹⁾ Oil change with filter

²⁾ Governed / with optional M Driver's Package

³⁾ Figures not yet available

The fuel consumption, CO₂ emission and electric power consumption figures are determined according to the European Regulation (EC) 2007/715 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

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BMW M8 Coupe. M8 Competition.

BMW M8 Competition Coupe		
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Fuel tank capacity	approx. l	68
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Max load to DIN	kg	500
Max permissible weight	kg	2385
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Max trailer load, braked (12%/unbraked)	kg	- / -
Max roofload/max towbar download	kg	³⁾ / -
Luggage comp capacity	l	420
Air resistance	c _d x A	³⁾
Power Unit		
Config/No of cyls/valves		V / 8 / 4
Engine technology		M TwinPower Turbo technology with cross-bank exhaust manifold: M TwinScroll twin turbocharger, indirect charge air cooling, High Precision Injection (maximum injection pressure: 350 bar), VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.0
Fuel		RON 98 (min. RON 91)
Max output	kW/hp	460 / 625
at	rpm	6000
Max torque	Nm	750
at	rpm	1800 – 5800
Electrical System		
Battery/installation	Ah/-	70 (Li-ion) / Luggage compartment
Driving Dynamics and Safety		
Suspension, front		Adaptive M suspension with double wishbone axle in lightweight aluminium construction, M-specific kinematics and elastokinematics, Variable Damper Control
Suspension, rear		Adaptive M suspension with five-link axle in lightweight aluminium construction, M-specific elastokinematics, Variable Damper Control
Brakes, front		M compound brakes, vented, with six-piston fixed callipers
Brakes, rear		M compound brakes, vented, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), can be switched off; CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential, DSC linked with M xDrive all-wheel drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) with M-specific Servotronic function and variable sport ratio
Steering ratio, overall	:1	14.3
Tyres, front/rear		275/35 ZR20 102Y XL 285/35 ZR20 104Y XL
Rims, front/rear		9.5J x 20 light-alloy 10.5J x 20 light-alloy

BMW M8 Competition Coupe

Power Transfer

M xDrive intelligent all-wheel-drive system, central transfer case with fully-variable multi-plate clutch, fully-variable torque distribution between front and rear axle, rear differential with fully-variable Active M Differential, locking effect 0 – 100 per cent

Transmission

Type of transmission	Eight-speed M Steptronic transmission with Drivelogic, transmission oil cooling		
Gear ratios	I	:1	5.000
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	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	3.154

Performance

Power-to-weight ratio (DIN)	kg/kW	4.1
Output per litre	kW/l	104.7
Acceleration 0–100 km/h	s	3.2
Acceleration 0–200 km/h	s	10.6
Top speed	km/h	250 / 305 ²⁾

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator in manual shift mode, BMW EfficientLightweight, on-demand operation of ancillary units, Li-ion battery, map-regulated oil pump, rear differential and transfer case with optimised efficiency, optimised aerodynamics (underside panelling, front spoiler, rear spoiler)
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Fuel Consumption ECE

with standard tyres		
Urban	l/100 km	15.3 – 15.2
Extra-urban	l/100 km	8.0 – 7.7
Combined	l/100 km	10.6 – 10.5
CO ₂	g/km	242 – 238
Emission rating		Euro 6d-TEMP

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

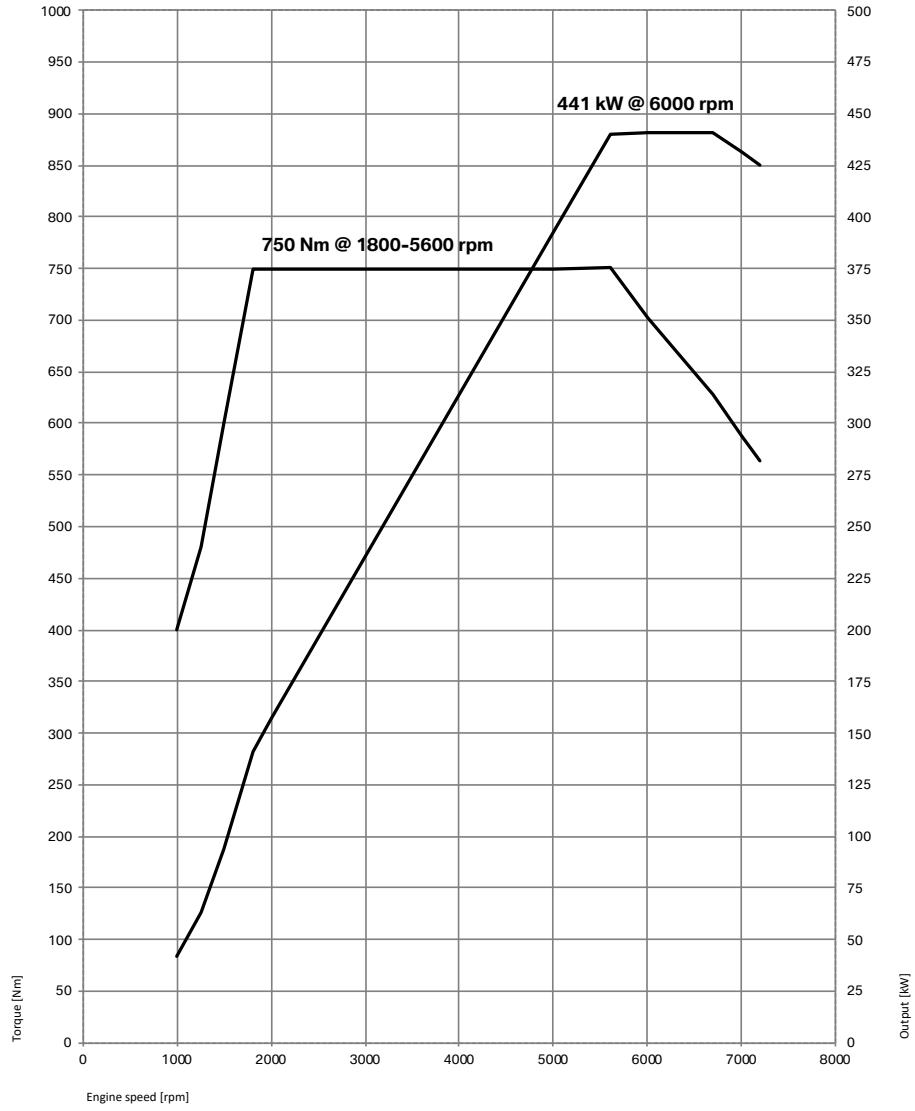
- ¹⁾ Oil change with filter
- ²⁾ Governed / with optional M Driver's Package
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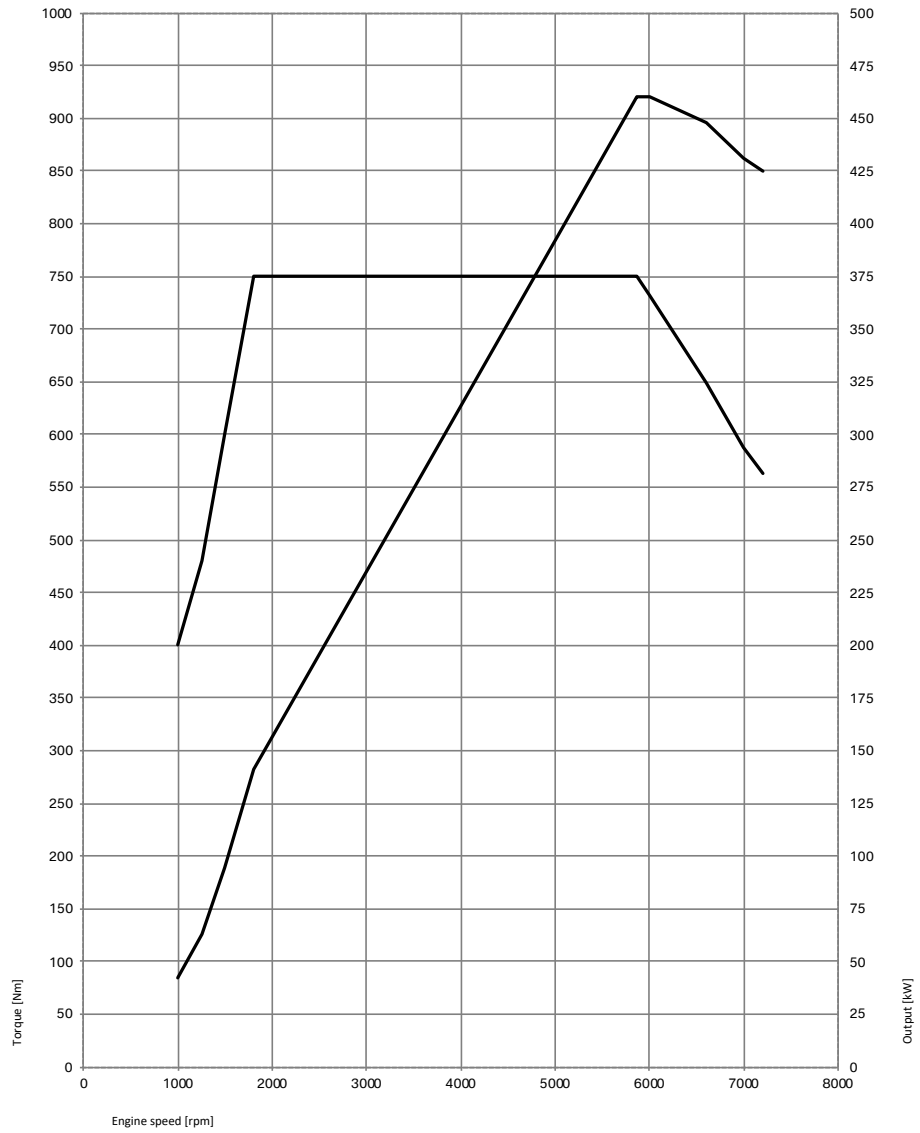
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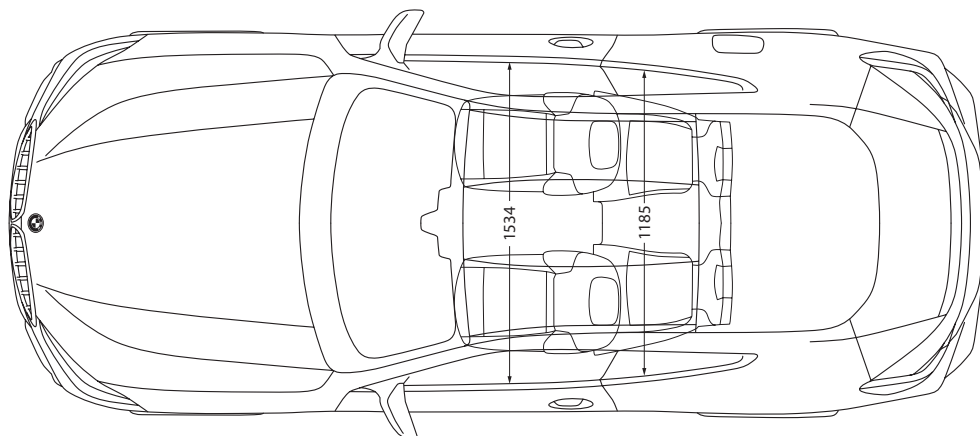
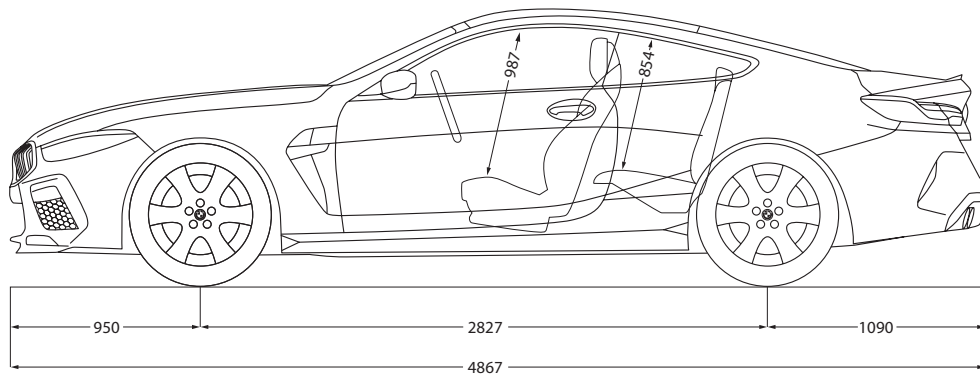
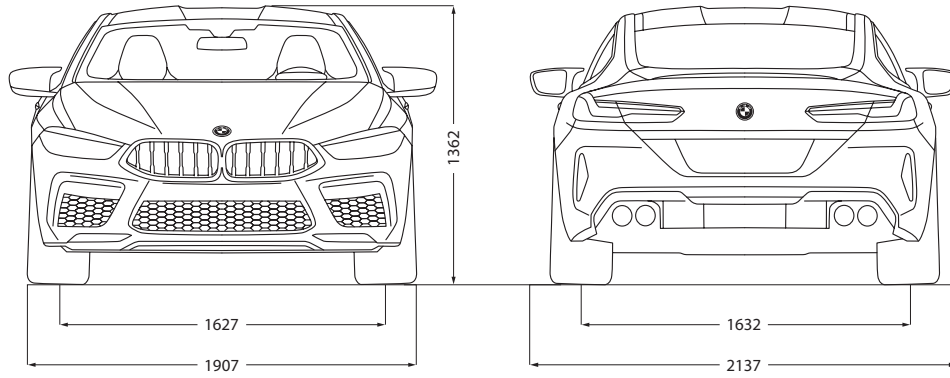
Output and torque diagrams. BMW M8 Coupe. M8.



BMW M8 Coupe. M8 Competition.



Exterior and interior dimensions. BMW M8 Coupe.



Specifications.

BMW M8 Convertible.

M8.



BMW M8 Convertible		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4867 / 1907 / 1353
Wheelbase	mm	2827
Track, front/rear	mm	1627 / 1632
Ground clearance	mm	³⁾
Turning circle	m	12.2
Fuel tank capacity	approx. l	68
Engine oil ¹⁾	l	10.0
Weight, unladen, to DIN/EU	kg	2010 / 2085
Max load to DIN	kg	430
Max permissible weight	kg	2440
Max axle load, front/rear	kg	1215 / 1260
Max trailer load, braked (12%/unbraked)	kg	- / -
Max roofload/max towbar download	kg	- / -
Luggage comp capacity	l	350
Air resistance	$c_d \times A$	³⁾
Power Unit		
Config/No of cyls/valves		V / 8 / 4
Engine technology		M TwinPower Turbo technology with cross-bank exhaust manifold: M TwinScroll twin turbocharger, indirect charge air cooling, High Precision Injection (maximum injection pressure: 350 bar), VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.0
Fuel		RON 98 (min. RON 91)
Max output	kW/hp	441 / 600
at	rpm	6000
Max torque	Nm	750
at	rpm	1800 – 5600
Electrical System		
Battery/installation	Ah/-	70 (Li-ion) / Luggage compartment
Driving Dynamics and Safety		
Suspension, front		Adaptive M suspension with double wishbone axle in lightweight aluminium construction, M-specific kinematics and elastokinematics, Variable Damper Control
Suspension, rear		Adaptive M suspension with five-link axle in lightweight aluminium construction, M-specific elastokinematics, Variable Damper Control
Brakes, front		M compound brakes, vented, with six-piston fixed callipers
Brakes, rear		M compound brakes, vented, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), can be switched off; CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential, DSC linked with M xDrive all-wheel drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter, crash sensors, rollover protection system, tyre pressure indicator
Steering		Electric Power Steering (EPS) with M-specific Servotronic function and variable sport ratio
Steering ratio, overall	:1	14.3
Tyres, front/rear		275/40 ZR19 105Y XL 285/40 ZR19 107Y XL
Rims, front/rear		9.5J x 19 light-alloy 10.5J x 19 light-alloy

BMW M8 Convertible

Power Transfer

M xDrive intelligent all-wheel-drive system, central transfer case with fully-variable multi-plate clutch, fully-variable torque distribution between front and rear axle, rear differential with fully-variable Active M Differential, locking effect 0 – 100 per cent

Transmission

Type of transmission	Eight-speed M Steptronic transmission with Drivelogic, transmission oil cooling		
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	3.154

Performance

Power-to-weight ratio (DIN)	kg/kW	4.6
Output per litre	kW/l	100.3
Acceleration 0–100 km/h	s	3.4
Acceleration 0–200 km/h	s	11.3
Top speed	km/h	250 / 305 ²⁾

BMW EfficientDynamics

BMW EfficientDynamics standard features

Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator in manual shift mode, BMW EfficientLightweight, on-demand operation of ancillary units, Li-ion battery, map-regulated oil pump, rear differential and transfer case with optimised efficiency, optimised aerodynamics (underside panelling, front spoiler, rear spoiler)

Fuel Consumption ECE

with standard tyres		
Urban	l/100 km	15.2 – 15.2
Extra-urban	l/100 km	8.2 – 7.9
Combined	l/100 km	10.8 – 10.6
CO ₂	g/km	246 – 241
Emission rating		Euro 6d-TEMP

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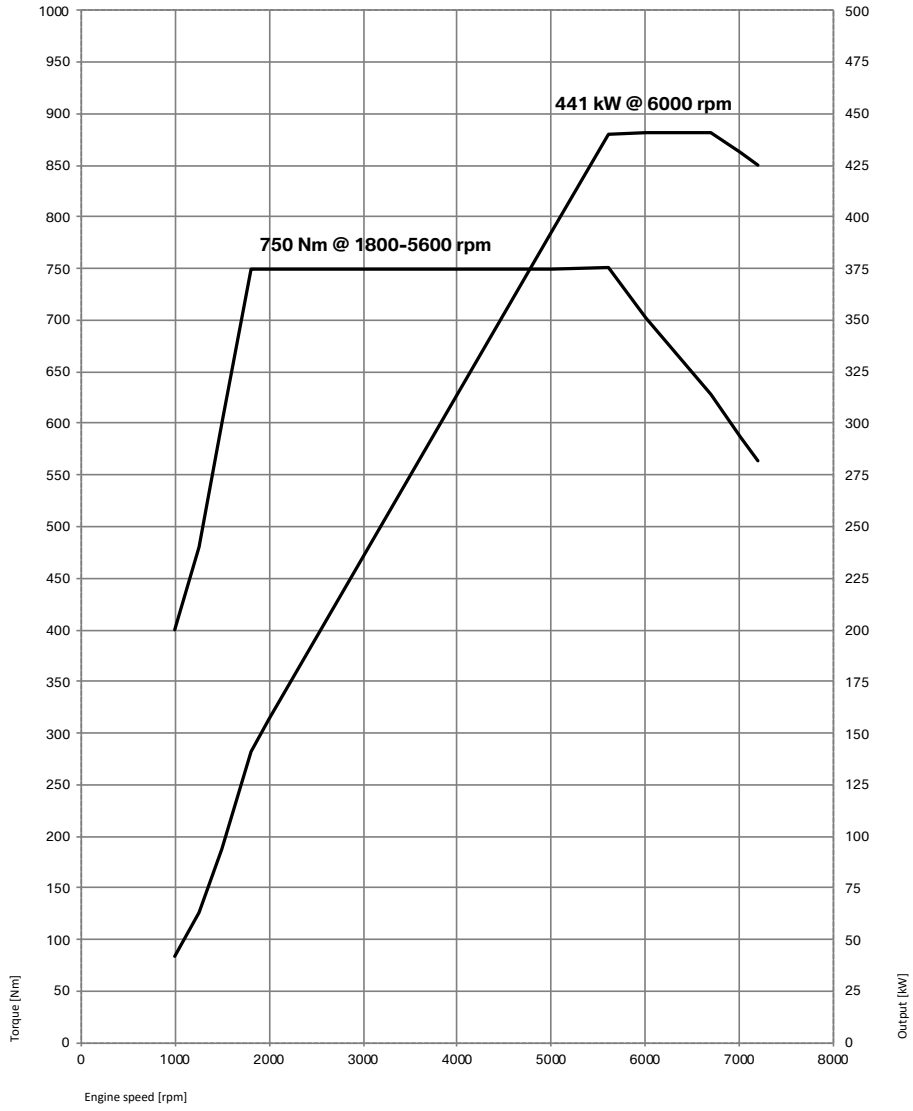
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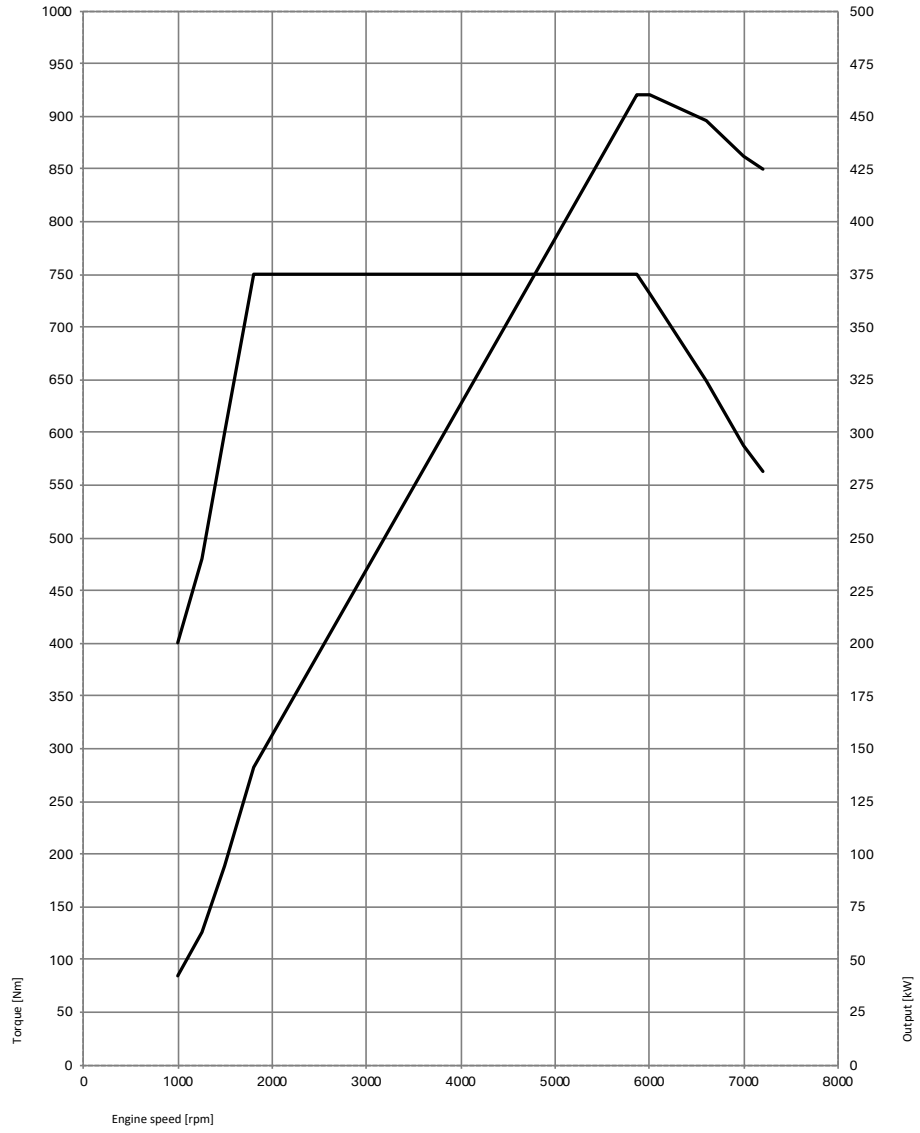
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