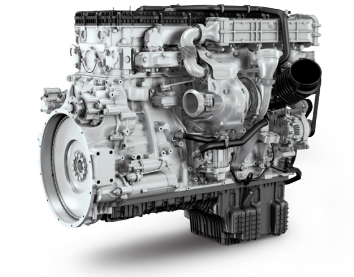
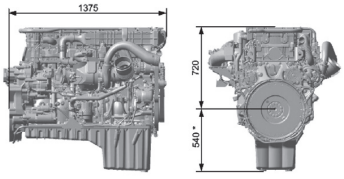
DIESEL ENGINE 6R 1300/OM 471

for off-highway applications with EPA Tier 4 certification





Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
6R 1300 C	1375 x 980 x 1260 (54.1 x 38.6 x 49.6)	1083 (2388) [1]

All dimensions are approximate, for complete information refer to the installation drawing.
1) DIN 70020

Engine		
Bore/stroke	mm (in)	132/156 (5.2/6.1)
Cylinder configuration		6 inline
Displacement, total	l (cu in)	12.8 (781)
Fuel specification		DIN EN 590, ASTM D975 (DF1, DF2)

manufactured by

customized by

Optional equipment and finishing shown. Standard may vary.

	Rated power			Peak torque			Fuel consumpt. at rated power	Fuel consumpt. at peak torque
Engine type	kW	bhp	rpm	Nm	lb-ft	rpm	g/kWh	g/kWh
6R 1300 C20	320	429	1700	2100	1549	1300	192	187
6R 1300 C30	340	456	1700	2200	1623	1300	193	187
6R 1300 C40	360	483	1700	2300	1696	1300	194	187
6R 1300 C50	380	510	1700	2380	1755	1300	196	187
6R 1300 C60	390	523	1700	2460	1814	1300	197	187

Ratings acc. to ECE R 120
Emissions: EPA Nonroad T4 (40CFR1039)
EU Nonroad St IV (97/68/EG) Compliant
UN ECE R96 Emission Flex Package (EFP)

A Rolls-Royce solution

Standard equipment
24 Volt starter
28 Volt alternator, 100 A
Common rail injection system
Electronic engine management
Electronic interface module
Turbo charging air to air cooling
High pressure EGR system
One-box aftertreatment system with SCR incl. muffler
Closed crankcase ventilation
SAE 1 flywheel housing

Optional equipment
Exhaust brake system
Aux REPTO
Air compressor
AC compressor
Flex engine mounts
Elevated fan drive
Cooling fan

Reference conditions:
> Intake temperature: 25°C (77°F)
> Charge air temperature: 40°C
> Altitude: 200 m (656 ft)
> Air intake restriction: 25 mbar
Subject to change without notice. Customization possible. Engines illustrated in this document may feature options not fitted as standard to standard engine.

Subject to change. | 3235101 | Edition 01/24 | BMC 2024-11.

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