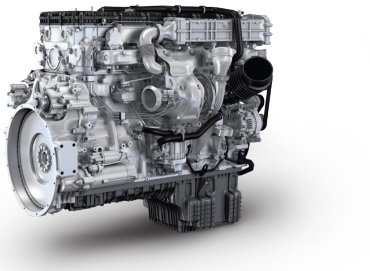
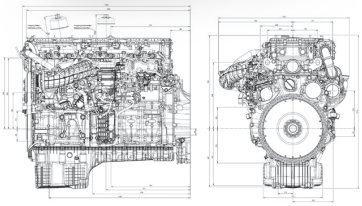
DIESEL ENGINE 6R 1300/OM 471

for off-highway applications with EU Stage V/EPA T4 certification





Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
6R 1300 C01	1393 x 1043 x 1215 (54.8 x 41 x 47.8)	1071 (2361.1) [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 Stand 2010ff

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 C21	320	429	1600	2200	1623	1300	190	186
6R 1300 C31	340	456	1600	2300	1696	1300	190	186
6R 1300 C41 *	360	483	1600	2400	1770	1300	192	189
6R 1300 C61 *	390	523	1600	2600	1918	1300	196	192

Ratings acc. to ECE R 120
Emissions: EU Nonroad Stage V (2016/1628)
EU Nonroad St V (2016/1628) + EPA Nonroad T4
* CANMET certified

A Rolls-Royce solution

Standard equipment
24 Volt starter/generator
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/DPF incl. muffler
Closed crankcase ventilation
SAE 1 flywheel housing
Exhaust brake system

Optional equipment
12 Volt starter/generator
SAE 1/3 flywheel housing
Aux REPTO
Air compressor
AC compressor
Flex engine mounts
Elevated fan drive
Cooling fan
Open crankcase ventilation

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. | 32311421 | Edition 01/24 | BMC 2024-11.

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