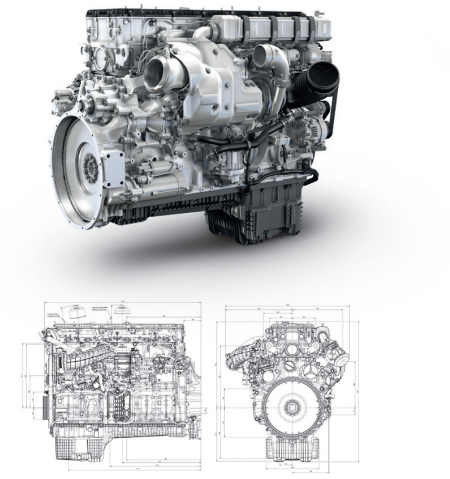
DIESEL ENGINE 6R 1500/OM 473

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



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
6R 1500 C01	1442 x 1099 x 1237 (56.7 x 43.2 x 48.7)	1230 (2711.7) [1]

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

Engine		
Bore/stroke	mm (in)	139/171 (5.5/6.7)
Cylinder configuration		6 inline
Displacement, total	l (cu in)	15.6 (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 1500 C21	380	510	1600	2600	1918	1300	192	186
6R 1500 C31	400	536	1600	2700	1991	1300	192	186
6R 1500 C51	430	577	1600	2850	2102	1300	193	187
6R 1500 C61	460	617	1600	3000	2213	1300	195	189
6R 1500 C71	480	644	1600	3100	2286	1300	197	190

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

A Rolls-Royce solution

Standard equipment
24 Volt starter/generator
Common rail injection system
Electronic engine management
Electronic interface module
Turbo charging, turbo compound, 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. | 32311431 | Edition 01/24 | BMC 2024-11.

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