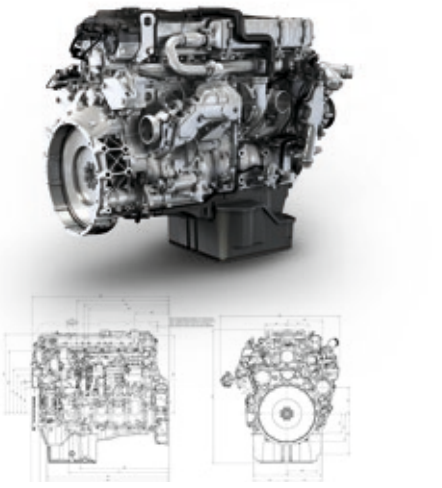
SCAN ME

Industrial

DIESEL ENGINE 6R 1000/OM 936

for C&I, Mining, Agriculture and Forestry applications with EU Stage V certification



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
6R 1000 C01	1067 x 929 x 1031 (42 x 36.6 x 40.6)	672 (1481.5) [1]

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

Engine		
Bore/stroke	mm (in)	110/135 (4.3/5.3)
Cylinder configuration		6 inline
Displacement, total	l (cu in)	7.7 (470)
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 1000 C11	180	241	2200	1000	738	1200-1600	196	192
6R 1000 C21	195	261	2200	1100	811	1200-1600	197	192
6R 1000 C31 *	210	282	2200	1200	885	1200-1600	197	192
6R 1000 C41	230	308	2200	1300	959	1200-1600	200	192
6R 1000 C51	260	349	2200	1450	1069	1200-1600	204	195
6R 1000 C61 *	280	375	2200	1550	1143	1200-1600	207	198

Ratings acc. to ECE R 120
Emissions: EU Nonroad Stage V (2016/1628)
EU Nonroad St V (2016/1628) + EPA Nonroad T4
* MSHA/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 2 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

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. | 3231140I | Edition 01/19 | ESM 2019-10.