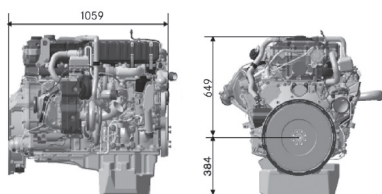
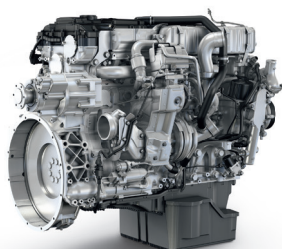




Oil & Gas

DIESEL ENGINE 6R 1000/OM 936

for oil and gas applications
with EPA tier 4 and EU stage IV certification



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
6R 1000 C	1059 x 821 x 1033 (41.7 x 32.3 x 40.7)	705 (1555) 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, ASTM D975 (DF1, DF2)

Optional equipment and finishing shown. Standard may vary.

Engine type	Rated power			Peak torque			Fuel consumption at rated power	Fuel consumption at peak torque
	kW	bhp	rpm	Nm	lb-ft	rpm	g/kWh	g/kWh
6R 1000 C 20	180	241	2200	1000	738	1200-1600	214	190
6R 1000 C 30	210	282	2200	1150	848	1200-1600	212	189
6R 1000 C 40	230	308	2200	1250	922	1200-1600	212	191
6R 1000 C 50	260	348	2200	1400	1033	1200-1600	210	194

Ratings acc. to ECE R 120

Emissions:

EPA 40 CFR 89 / Tier 4 final

EU Nonroad St IV (97/68/EC)

UN ECE R96 Emission Flex Package (EFP)



A Rolls-Royce
solution

Standard Equipment	Optional Equipment
24 Volt starter	Exhaust brake system
28 Volt alternator, 100 A	SAE 2/3 flywheel housing
Common rail injection system	Aux REPTO
Electronic engine management	Air compressor
Electronic interface module	AC compressor
Turbo charging air to air cooling	Flex engine mounts
High pressure EGR system	Elevated fan drive
One-box aftertreatment system with SCR incl. muffler	Cooling fan
Close crankcase ventilation	
SAE 1 flywheel housing	

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.