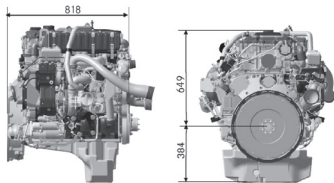
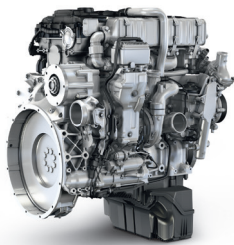




## Oil & Gas

# DIESEL ENGINE 4R 1000/OM 934

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



Optional equipment and finishing shown. Standard may vary.

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
4R 1000 C	818 x 755 x 1033 (32.2 x 29.7 x 40.7)	540 (1190) <sup>1)</sup>

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		4 inline
Displacement, total	l (cu in)	5.1 (311)
Fuel specification		DIN EN 590, ASTM D975 (DF1, DF2)

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
4R 1000 C 20	100	134	2200	600	443	1200-1500	216	192
4R 1000 C 30	129	173	2200	750	553	1200-1600	208	191
4R 1000 C 40	150	201	2200	800	590	1200-1600	205	188
4R 1000 C 50	170	228	2200	900	664	1200-1600	204	189

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 1/3 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 2 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.