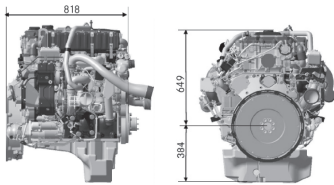


Diesel Engine 4R 1000

for Oil and Gas Applications

with EPA Tier 4 and EU Stage IV Certification



Dimensions and Masses

| Engine | Dimensions (LxWxH) mm (in) | Mass, dry kg (lbs) |
|------------------|-----------------------------------|--------------------------|
| 4R 1000 C | 818x755x1033 (32.2 x 29.7 x 40.7) | 540 (1190) ¹⁾ |

All dimensions are approximate, for complete information refer to the installation drawing.

¹⁾ DIN 70020

| Engine Model | | |
|------------------------|-----------|----------------------------------|
| 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 |
|---------------------|-------------|------------|------|-------------|-----|-----------|---------------------------------|---------------------------------|
| | Model | kW | bhp | rpm | Nm | lb-ft | rpm | 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 97/68/EC / Stage IV



Power. Passion. Partnership.

Standard Equipment

24 Volt starter

28 Volt alternator, 100 A

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 incl. muffler

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.

Optional Equipment

Exhaust brake system

SAE 1/3 flywheel housing

Aux REPTO

Air compressor

AC compressor

Flex engine mounts

Elevated fan drive

Cooling fan