

GENERAL DATA

Engine type: Cyclic Diesel, four valves, indirect injection, turbo-charged

Construction: cast-iron PNC or steel

Displacement: 16.4 l (1.7 cubic)

Stroke/cylinder: 104.5 x 62.2

Compression ratio: 18.5:1

Stroke/cylinder: 1.3:1

Injection system: Direct, with gear pump

Injection pump: pressure 1.8 bar (26.5 psi)

Max. water temperature: 107 °C

Max. oil temperature: 120 °C

Maximum primary/secondary torque:

Engine water cooling capacity: 140 l/s

Oil quantity for filling the engine: 2.2 l

Injection system: Lucas DPC or Bosch VE3 series

Injection pump: Lucas DPC or Bosch VE3 series

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Maximum power and maximum torque: 2207 (1500) at 2200 (2000) rpm and 12.4 (10.0) Nm at 1200 rpm

Dry weight: 1.87 kg

Standard equipment: The engine is delivered complete except for the following optional items:

Optional equipment:

Water injection

Electric or mechanical fan

Engine mounting brackets

Oil cooler (optional)

Pressure pump

Injection pump

As filter

Oil filter

Oil filter

Oil filter

Oil filter

Adjusting plate between the engine and the diesel pump

Pressure

Pressure

Pressure

Pressure

Pressure

Pressure

Compressed Natural Gas

1.3 R3 - 1.3 R3

1.3 R3 - 1.3 R3

1.3 R3 - 1.3 R3

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CONSTRUCTION DATA

Maximum injection pressure

Cylinder head: integral and additional aluminium alloy

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As filter, fan, indirect cooling with direct injection of fuel into the pump

Injection pump: Lucas DPC or Bosch VE3 series

These values are valid for an engine which has been modified to run on CNG and gaseous fuel with suitable valves (1000 bar). A tolerance of ± 2 % must be observed with indirect injection.



Figure 10: 1.3 R3