The Gen Engine.
250 – 263 kW at 1500/1800 rpm
Engine description

Engine: 4 stroke diesel engine with direct injection.

Turning direction: At flywheel side to the left.

Cylinder configuration: Standing in line.

Crankcase/cylinder: Crankcase of grey cast iron, wet liners.

Cylinder head: Greycast block type cylinder head.

Valve arrangement/timing: Hanging in cylinder head, two intake and exhaust valves each, actuated via tappets, pushrods and rocker arms, driven by camshaft in bi-metal bearings.

Camshaft drive: From the camshaft via straight, high toothed spur gears.

Crankshaft bearings: Tri-metal bearings.

Connecting rod bearings: Four-metal, tri-metal sliding bearing.

Turbocharging: Wastegate turbocharger with charge air cooling (air/air).

Lubrication: Forced-feed circulation lubrication.

Lubricating oil filter: One microfilter in full-flow.

Injection pump: Two high-pressure plug pumps.

Injector: 7-hole nozzle in Injector.

Governor: Electronical speed governor (EMR3).

Fuel lift pump: Gear driven gear pump.
Characteristics
Modern, liquid-cooled 6-cylinder in-line engines | Turbocharged with intercooler | Powerful, rugged engine providing high power density | Electronic engine control EMR 3 | High-pressure fuel injection with DEUTZ Common Rail System (DCR®)

Your benefits
- Low noise emission: Lower costs for sound deadening.
- Low fuel and oil consumption and long service intervals save operating cost.
- Very good load characteristics.
- Simple and cost efficient installation due to low weight and small installation space requirements.
- Low exhaust emissions, meets EC regulation step II.

Engine type
- TCD 2013 L6 4V
- Number of cylinders: 6
- Bore/stroke: mm
- Displacement: l
- Compression ratio: 1 : 18.1
- Weight incl. cooling system and air filter: kg

Power output LTP 1)
- Gross output: kW|HP
- Flywheel net: kW|HP

Fuel consumption 2)
- 25 % load: g/kWh|lb/hp-hr
- 50 % load: g/kWh|lb/hp-hr
- 75 % load: g/kWh|lb/hp-hr
- 100 % load: g/kWh|lb/hp-hr

Cooling system/heating balance
- Water cooler: kW|HP
- Chargeair cooler: kW|HP
- Convection: kW|HP
- Fan power: kW|HP
- Cooling air volume flow: m³/h

Combustion air/emissions
- max. intake vacuum: mbar
- Combustion air volume flow: m³/h
- max. exhaust gas temperature: °C
- Exhaust gas volume flow: m³/h

Dimensions
- TCD 2013 L6 4V
  - A: mm 1865
  - B: mm 1057
  - C: mm 1315
  - inch 73.4

---
1) Power ratings acc. to ISO 8528, rating category G3 acc. to ISO 8528-5
2) based on diesel fuel with a specific gravity of 0.835 kg/dm³ at 15° C (6.96 lb/US gallon at 60° F).
The values specified in this datasheet are for information-purposes only and are not binding.
The information given in the quotation is decisive.