

RICARDO-6D10D258A

258 kWm at 1500 rev/min

The Ricardo diesel engines was designed in advance of today's uncompromising demands within the power generation industry and includes superior performance and reliability. R series diesel engine is a four-stroke, vertical water-cooled, inline and direct injecting combustion chamber type, high-speed diesel engine.

Their premium design and specification features provide economic and durable operation as well as exceptional power to weight ratio, improved serviceability, low gaseous emissions, overall performance and reliability essential to the power generation market.

Type	Water cooling, inline, 4 stroke, direct injection and dry liner	
Standby Output	kWm	283
Prime Output	kWm	258
Engine Speed	rpm.	1500
Cylinder No		6
Firing Order		1-5-3-6-2-4
Intake Type		TCI
Compression Ratio		17:1
BorexStroke	mm	126x130
Displacement	Lt	9,7
Governor		Electronic
Net Weight	kg.	980
Dimensions	mm	1772x864x1220

1. Intake and Exhaust System

- Intake pipe - Aluminum single block type
- Exhaust pipe - A single block cast one
- Air filter - Single stage paper filter element style
- Double stages paper filter element style
- Silencer
- Turbocharger

2. Fuel System

- Fuel delivery pump
- Fuel filter - Brand: Fleetguard
- Model: BF7390
- High pressure pump - type A
- Governor - Electronics
- Injector - Spring low installed and low inertia types
- J series and S series Delphi injector

3. Lubrication System

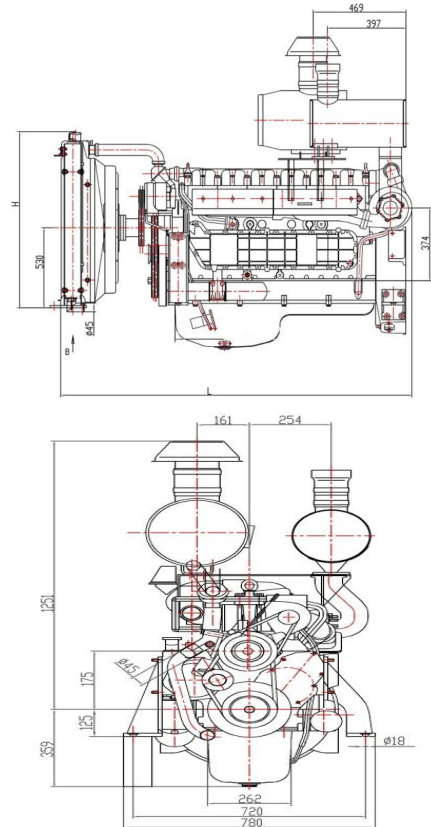
- The engine is lubricated by pressure oil combined with splash oil.
- Oil pump - gear type oil pump
- Overload overflow valve
- Oil filter - JX0811A, J1012B type for engine lubricating oil
- JO506 type for turbocharger lubricating oil
- Oil cooler - pipe & shell type oil cooler

4. Cooling System

- Forced water cooling
- Radiator
- Water pump fan
- Thermostat
- Oil cooler

5. Electrical System

- Two types electrical system: 12 V and 24 V, all are single wire system with negative pole grounded.
- Battery – should be installed near the starting motor to avoid voltage drop
- Silicon rectified dynamo
- Voltage regulator – keep the voltage at the range of 13.5 – 14.5 V or 27 – 29 V.
- Starting Motor – full closed direct current series excitation motor



Power Rating	g/kWh	Litres/hr
At 100% of Prime Power Rating	208	53.8
At 75% of Prime Power Rating	206	40
At 50% of Prime Power Rating	209	27
At 25% of Prime Power Rating	213	13.8