

258 kWm at 1500 rev/min

Quartz Diesel Q6D10D258A

Four-stroke, inline diesel engine with water cooling and direct fuel injection. Engine ratings, fuel consumption and system capacities are listed in the technical tables.

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: Baldwin
- 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

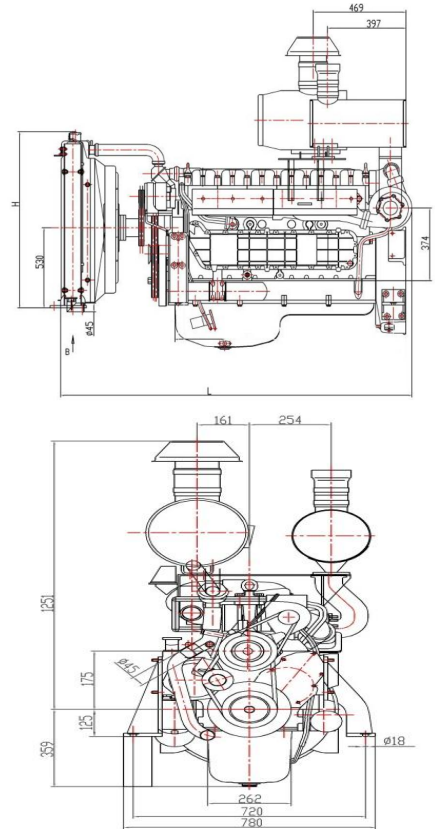
- The engine is lubricated by pressure oil combined with splash oil.
- Oil pump - gear type oil pump
- Overload overflow valve
- Oil filter - JX0811A, J1012B type for engine lubricating oil
- JO506 type for turbocharger lubricating oil
- Oil cooler - pipe & shell type oil cooler

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



Q6D10D258A (1500 rev/min) Fuel Consumption		
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