

Heat balance test data (with ambient temperature 28°C)

Total heat dissipation @ ESP (kJ/s)2839.5

Performance data

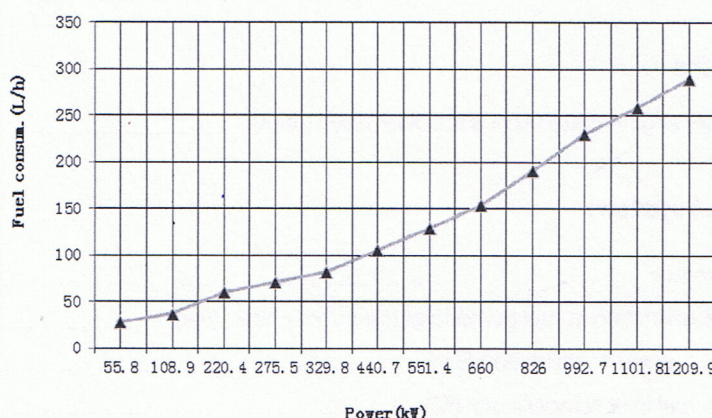
Mean Piston Speed (m/s)9.25

BMEP (Bar)22.45

Fan Absorbed Power (kW)30

Rating	Fuel Consumption (L/hr) @ 1500 rpm
ESP	289.2
100% PRP	259.0
75% PRP	190.8
50% PRP	129.6
Fuel Consumption tolerance + 3%	

Fuel consum.



Ratings Definitions

Emergency Standby Power (ESP)

Engines of this rating provide power output with a varying load for the duration of a main power network failure. The average load factor should not exceed 70% of the engine's standby power rating. Typical operational hours of the engine is 200 hours, with a maximum expected usage of 500 hours. This includes an annual maximum of 25 hours per year at the standby power rating. No overload capability is allowed. The engine is not to be used for maintained utility paralleling applications.

Unlimited Prime Rated Power (PRP)

Engines of this rating provide unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine's prime power rating; with a maximum number of 500 operational hours at 100% prime power rating. An overload capability of 10% is available, however, is limited to a period of 1 in every 12 hours.

Continuous Power (COP)

Engines of this rating provide unlimited hours of usage per year at a constant 100% load factor. No overload capability is allowed.

1) The power ratings are in accordance with ISO 3046.

2) Test conditions: 100 kPa, 25 °C air inlet temperature, relative humidity of 30%, with fuel density 0.84 kg/L.

3) Power output curves are based on the engine operating with fuel system, water pump and lubricating oil pump; not included are battery charging alternator, fan and optional equipment.