

Gensets

Small Range



PT150 - PT165S

Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage* ¹	Frequency* ²	PT 150* ³	PT 165S* ⁴
230/400 V	50 Hz	149 KVA	163 KVA
277/480 V	60 Hz	168 KVA	186 KVA

The above ratings represent the generating set capability guaranteed within ±3% at the reference conditions equivalent to those specified in ISO 8528/1.



Notes

1. The applicable voltage range is 380V to 415V for 50Hz, and 380V to 480V for 60Hz applications. For other voltage consult factory.

2. This generating set is of fixed speed of 1500rpm or 1800rpm.

3. PT150 is the prime power rating of the generating set, where a variable load and unlimited hours usage are applied on the generating set with an average load factor of 80% of the prime rating over each 24 hour period. Noting that a 10% overload is available for 1 hour in every 12 hours operation.

4. PT165S is the standby power rating of the generating set, where a variable load limited to an annual usage up to 500 hours is applied, with 300 hours of which may be continuous running. Noting that no overload is permitted.

Certifications



- The complete Generating Set is type-tested according to ISO 8528-8 Standard.



- The control panel is certified by an ISO 17025 accredited laboratory to have IP55 according to IEC 60355



Quality ISO 9001 SAI GLOBAL

Dimensions

Length	2500 mm
Width	770 mm
Height	1400 mm
Weight	1285 Kg

Technical Data

Engine model

Perkins 1106A-70TAG2

Cylinders

6 - vertical in-line

Aspiration

Turbocharged, aftercooled

Combustion

Direct injection

Cooling System

Water cooled

Displacement

7.01 liters

Oil consumption

0.1 % of fuel consumption

Lube oil capacity

16.5 liters

Coolant capacity

21 liters

Governor

Mechanical

Speed

1500 rpm

1800 rpm

Fuel Consumption @ 100% Load

33.4 L/H

38.2 L/H

Fuel Consumption @ 75% Load

24.7 L/H

29.1 L/H

Fuel Consumption @ 50% Load

16.4 L/H

19.1 L/H

Radiator Cooling Air Flow

282 m³/min

296.4 m³/min

Max exhaust gas flow

25.53 m³/min

32.29 m³/min

Emissions regulations

For unregulated territories

The above performance data are valid as per the following specs:

- Diesel Fuel is according to BS2869 Class A2 or equivalent.
- Lubricating oil is according to API CH4 (15W/40).
- The coolant should be 50% antifreeze and 50% distilled water.

Alternator model

Leroy Somer TAL044J

Regulation

± 1 %

International protection

IP23

Insulation class

H

Terminals

6

Frequency

50 Hz

60 Hz

Coolant Air flow

0.25 m³/s

0.30 m³/s