

PT465 - PT510S



Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage*¹	Frequency*²	PT 465*³	PT 510S*⁴
230/400 V	50 Hz	469 KVA	512 KVA
277/480 V	60 Hz	515 KVA	580 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 applications and 380V to 480V for 60Hz applications. For other voltage consult factory.

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

3. PT465 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. PT510S 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	3750 mm
Width	1120 mm
Height	2150 mm
Weight	3660 Kg

Technical Data

Engine model

Perkins 2506A-E15TAG1

Cylinders

6 - vertical in-line

Aspiration

Turbocharged & A/A charge cooled

Combustion

Direct injection

Cooling System

Water cooled

Displacement

15.2 liters

Oil consumption

0.1 % of fuel consumption

Lube oil capacity

62 liters

Coolant capacity

58 liters

Governor

Electronic

Speed

1500 rpm

1800 rpm

Fuel Consumption @ 100% Load

95 L/H

102 L/H

Fuel Consumption @ 75% Load

72 L/H

78 L/H

Fuel Consumption @ 50% Load

50 L/H

53 L/H

Radiator Cooling Air Flow

722 m3/min

866 m3/min

Max exhaust gas flow

81 m3/min

105.3 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 CI4 (15W/40).
- The coolant should be 50% antifreeze and 50% distilled water.

Alternator model

Leroy Somer TAL 047C

Regulation

± 0.5 %

International protection

IP23

Insulation class

H

Terminals

6 or 12

Frequency

50 Hz

60 Hz

Coolant Air flow

0.9 m3/s

1.1 m3/s