

# PT660 - PT710S



Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
<b>Voltage*<sup>1</sup></b>	<b>Frequency*<sup>2</sup></b>	<b>PT 660*<sup>3</sup></b>	<b>PT 710S*<sup>4</sup></b>
230/400 V	50 Hz	660 KVA	712 KVA
277/480 V	60 Hz	640 KVA	704 KVA

The above ratings represent the generating set capability guaranteed within  $\pm 3\%$  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. PT660 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. PT710S 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

<b>Length</b>	3940 mm
<b>Width</b>	1550 mm
<b>Height</b>	2100 mm
<b>Weight</b>	4760 Kg

## Technical Data

### Engine model

**Perkins 2806A-E18TAG2**

Cylinders

6 - vertical in-line

Aspiration

Turbocharged & A/A charge cooled

Combustion

Direct injection

Cooling System

Water cooled

Displacement

18.1 liters

Oil consumption

0.1 % of fuel consumption

Lube oil capacity

62 liters

Coolant capacity

61 liters

Governor

Electronic

Speed

1500 rpm      1800 rpm

Fuel Consumption @ 100% Load

132 L/H      127 L/H

Fuel Consumption @ 75% Load

97 L/H      95 L/H

Fuel Consumption @ 50% Load

66 L/H      66 L/H

Radiator Cooling Air Flow

702 m<sup>3</sup>/min      852 m<sup>3</sup>/min

Max exhaust gas flow

114 m<sup>3</sup>/min      118 m<sup>3</sup>/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 047F**

Regulation

$\pm 0.5\%$

International protection

IP23

Insulation class

H

Terminals

6 or 12

Frequency

50 Hz      60 Hz

Coolant Air flow

1.0 m<sup>3</sup>/s      1.2 m<sup>3</sup>/s