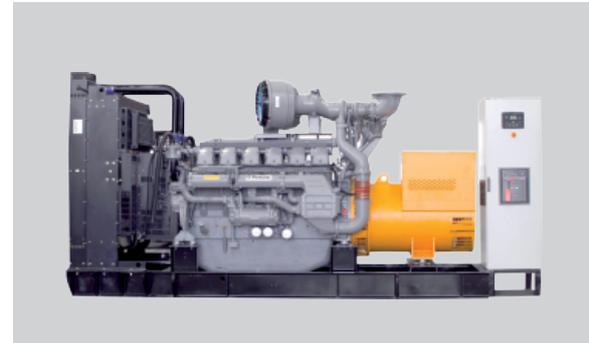


# PT1500 - PT1650S



Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
<b>Voltage*<sup>1</sup></b>	<b>Frequency*<sup>2</sup></b>	<b>PT 1500*<sup>3</sup></b>	<b>PT 1650S*<sup>4</sup></b>
230/400 V	50 Hz	1500 KVA	1650 KVA
277/480 V	60 Hz	1518 KVA	1670 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. PT1500 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. PT1650S 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 60335



Quality ISO 9001 SAI GLOBAL

## Dimensions

<b>Length</b>	4950 mm
<b>Width</b>	2180 mm
<b>Height</b>	2530 mm
<b>Weight</b>	10300 Kg

## Technical Data

### Engine model

**Perkins 4012-46TAG2A**

### Cylinders

12 - 60° vee form

### Aspiration

Turbocharged & A/A charge cooled

### Combustion

Direct injection

### Cooling System

Water cooled

### Displacement

45.842 liters

### Oil Consumption

0.52 g/kWh 0.2% of fuel consumption

### Lube oil capacity

177 liters

### Coolant capacity

210 liters

### Governor

Electronic-Digital

### Speed

1500 rpm 1800 rpm

### Fuel Consumption @ 100% Load

301 L/H 319 L/H

### Fuel Consumption @ 75% Load

237 L/H 195 L/H

### Fuel Consumption @ 50% Load

162 L/H 171 L/H

### Radiator Cooling Air Flow

1944 m<sup>3</sup>/min 1888 m<sup>3</sup>/min

### Max exhaust gas flow

320 m<sup>3</sup>/min 306 m<sup>3</sup>/min

### Emissions regulations

-

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 LSA 50.2 L8**

### Regulation

$\pm 0.5\%$

### International protection

IP23

### Insulation class

H

### Terminals

6

### Frequency

50 Hz 60 Hz

### Coolant Air flow

1.8 m<sup>3</sup>/s 2.2 m<sup>3</sup>/s