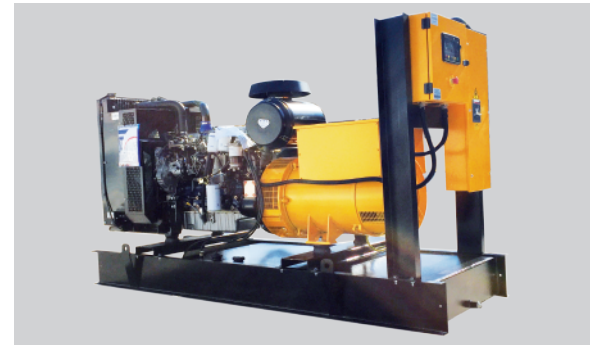


# PT200 - PT220S



Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
<b>Voltage*<sup>1</sup></b>	<b>Frequency*<sup>2</sup></b>	<b>PT 200*<sup>3</sup></b>	<b>PT 220*<sup>4</sup></b>
230/400 V	50 Hz	200 KVA	220 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. For other voltage consult factory.

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

3. PT200 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. PT220S 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.



ISO 17025 ACCREDITED LABORATORY

- 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>	2700 mm
<b>Width</b>	990 mm
<b>Height</b>	1750 mm
<b>Weight</b>	2084 Kg

## Technical Data

### Engine model

**Perkins 1106A-70TAG4**

### 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

Electronic

### Speed

1500 rpm

1800 rpm

### Fuel Consumption @ 100% Load

45.8 L/H

- L/H

### Fuel Consumption @ 75% Load

34.7 L/H

- L/H

### Fuel Consumption @ 50% Load

23.1 L/H

- L/H

### Radiator Cooling Air Flow

282 m<sup>3</sup>/min

- m<sup>3</sup>/min

### Max exhaust gas flow

36.8 m<sup>3</sup>/min

- 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 CH4 (15W/40).
- The coolant should be 50% antifreeze and 50% distilled water.

### Alternator model

**Leroy Somer LSA 46.3 S3**

### Regulation

$\pm 0.5\%$

### International protection

IP23

### Insulation class

H

### Terminals

12

### Frequency

50 Hz

60 Hz

### Coolant Air flow

0.48 m<sup>3</sup>/s

- m<sup>3</sup>/s