

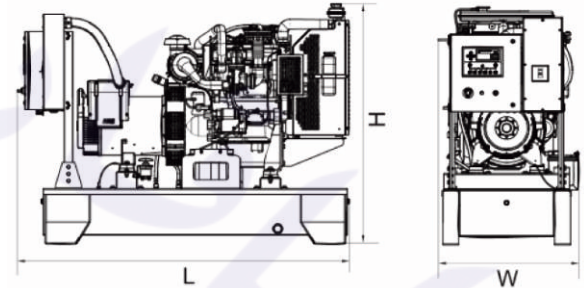
## Gensets

Medium Range



# PT500 - PT560S

Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage* <sup>1</sup>	Frequency* <sup>2</sup>	PT 500* <sup>3</sup>	PT 560S* <sup>4</sup>
230/400 V	50 Hz	500 KVA	563 KVA
277/480 V	60 Hz	515 KVA	580 KVA



## 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. PT500 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. PT560S 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



## Dimensions

Length	3750 mm
Width	1120 mm
Height	2150 mm
Weight	3660 Kg

## Technical Data

### Engine model

**Perkins 2506A-E15TAG2**

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

100 L/H      102 L/H

Fuel Consumption @ 75% Load

76 L/H      78 L/H

Fuel Consumption @ 50% Load

53 L/H      53 L/H

Radiator Cooling Air Flow

722 m3/min      866 m3/min

Max exhaust gas flow

98 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 LSA 47.2 M7**

Regulation

± 0.5 %

International protection

IP23

Insulation class

H

Terminals

12

Frequency

50 Hz      60 Hz

Coolant Air flow

0.9 m3/s      1.1 m3/s

## PLENUM Sound Proof Canopy

### Characteristics:

1. Body and components made of Galvanized Steel sheets of highest standards painted with highly anti-corrosive acrylic gloss.
2. Black zinc die-cast locks and hinges.
3. Easy access for the radiator and the control panel through the outlet and inlet attenuators.
4. Lube Oil pipe can be reached externally for easy drainage.
5. Control panel viewing window in the inlet attenuator
6. Lifting points on the base frame.
7. Exhaust silencing system in the interior of the enclosure.
8. Fuel filling and battery are secured through lockable doors.
9. Large doors for easy maintenance access.
10. Emergency stop push button mounted on the exterior of the enclosure (Optional)

### Sound Pressure Levels (dBA)

Plenum Sound Proof Canopy (PL)		Sound Pressure Levels (dBA)											
		50 Hz						60 Hz					
		1 m		3 m		7 m		1 m		3 m		7 m	
Generating Set	Powertech	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%
Engine model	KVA	Load	Load	Load	Load	Load	Load	Load	Load	Load	Load	Load	Load
403A-11G	9	69.7	71	66.7	68	61.7	63	71.4	72.7	68.4	69.7	63.4	64.7
403A-15G	13	69.7	71	66.7	68	61.7	63	71.4	72.7	68.4	69.7	63.4	64.7
404A-22G	20	69.7	71	66.7	68	61.7	63	71.4	72.7	68.4	69.7	63.4	64.7
1103A-33G	30	71.9	73.4	68.4	69.9	63.4	64.9	73.8	75.3	70.3	71.8	65.3	66.8
1103A-33TG1	45	70.5	72	67	68.5	62	63.5	72.4	73.9	68.9	70.4	63.9	65.4
1103A-33TG2	60	70.5	72	67	68.5	62	63.5	72.4	73.9	68.9	70.4	63.9	65.4
1104A-44TG2	80	71.7	73.2	68.2	69.7	63.2	64.4	73.5	75	70	71.5	65	66.2
1104C-44TAG2	100	73.5	75	70	71.5	65	66.2	76	77.5	72.5	74	67.5	68.7
1106A-70TG1	135	74.7	76.2	71.2	72.7	66.2	67.4	77.2	78.7	73.7	75.2	68.7	69.9
1106A-70TAG2	150	74.7	76.2	71.2	72.7	66.2	67.4	77.2	78.7	73.7	75.2	68.7	69.9
1106A-70TAG3	180	76.9	79.6	73.4	75.5	68.4	70.8	79.8	82.5	76.3	78.4	71.3	73.7
1106A-70TAG4	200	76.9	79.6	73.4	75.5	68.4	70.8	79.8	82.5	76.3	78.4	71.3	73.7
1506A-E88TAG3	250	76.9	79.6	73.4	75.5	68.4	70.8	79.8	82.5	76.3	78.4	71.3	73.7

