

# PT150 - PT165S



Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage* <sup>1</sup>	Frequency* <sup>2</sup>	PT 150* <sup>3</sup>	PT 165S* <sup>4</sup>
230/400 V	50 Hz	149 KVA	163 KVA
277/480 V	60 Hz	168 KVA	186 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. and 380V to 480V for 60Hz applications. For other voltage consult factory.

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

3. PT150 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. PT165S 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>	2500 mm
<b>Width</b>	770 mm
<b>Height</b>	1400 mm
<b>Weight</b>	1285 Kg

## Technical Data

### Engine model

**Perkins 1106A-70TAG2**

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	Mechanical	
Speed	1500 rpm	1800 rpm
Fuel Consumption @ 100% Load	33.4 L/H	38.2 L/H
Fuel Consumption @ 75% Load	24.7 L/H	29.1 L/H
Fuel Consumption @ 50% Load	16.4 L/H	19.1 L/H
Radiator Cooling Air Flow	282 m3/min	296.4 m3/min
Max exhaust gas flow	25.53 m3/min	32.29 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 CH4 (15W/40).
- The coolant should be 50% antifreeze and 50% distilled water.

### Alternator model

**Leroy Somer TAL044J**

Regulation	$\pm 1\%$	
International protection	IP23	
Insulation class	H	
Terminals	6	
Frequency	50 Hz	60 Hz
Coolant Air flow	0.25 m3/s	0.30 m3/s