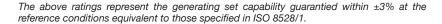






PT150 - PT165S

Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage* ¹	Frequency* ²	PT 150* ³	PT 165S* ⁴
230/400 V	50 Hz	149 KVA	163 KVA
277/480 V	60 Hz	168 KVA	186 KVA





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. overload is permitted. Noting that no

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	2500 mm
Width	770 mm
Height	1400 mm
Weight	1285 Kg

Technical Data

Engine model	Perkins 1106A-701	TAG2	
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	±	±1%		
International protection	IP23			
Insulation class	Н			
Terminals	6			
Frequency	50 Hz	60 Hz		
Coolant Air flow	0.25 m3/s	0.30 m3/s		