

PT9 - PT10S (A)



Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage* ¹	Frequency* ²	PT 9* ³	PT 10S* ⁴
230/400 V	50 Hz	8.7 KVA	9.5 KVA
230 V	50 Hz	8.7 KVA	9.5 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. For other voltage consult factory.

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

3. PT9 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. PT10S 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

Length	1500 mm
Width	610 mm
Height	980 mm
Weight	314 Kg

Technical Data

Engine model	Perkins 403A-11G1	
Cylinders	3 - vertical in-line	
Aspiration	Naturally aspirated	
Combustion	Indirect injection	
Cooling System	Water cooled	
Displacement	1.131 liters	
Oil consumption	0.1 % of fuel consumption	
Lube oil capacity	4.9 liters	
Coolant capacity	5.2 liters	
Governor	Mechanical	
Speed	1500 rpm	1800 rpm
Fuel Consumption @ 100% Load	3.0 L/H	-
Fuel Consumption @ 75% Load	2.3 L/H	-
Fuel Consumption @ 50% Load	1.7 L/H	-
Radiator Cooling Air Flow	40.2 m ³ /min	-
Max exhaust gas flow	1.8 m ³ /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 TAL040C	
Regulation	$\pm 1\%$	
International protection	IP23	
Insulation class	H	
Terminals	6	
Frequency	50 Hz	60 Hz
Coolant Air flow	0.06 m ³ /s	-