Gensets
Large Range

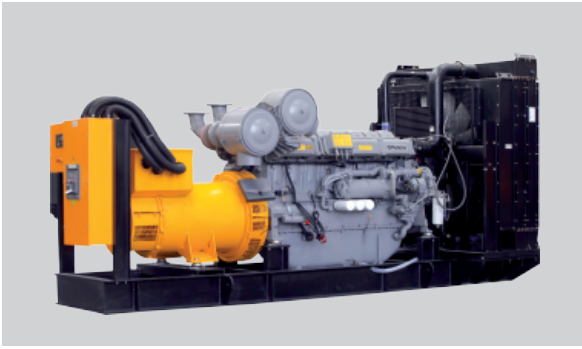
Perkins | LEROY SOMER

PT1000 - PT1100S

POWERTECH GHADDAR

Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage*[1]	Frequency*[2]	PT 1000*[3]	PT 1100S*[4]
230/400 V	50 Hz	1000 KVA	1100 KVA
277/480 V	60 Hz	988 KVA	1085 KVA

The above ratings represent the generating set capability guarantied within ±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 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. PT1000 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. PT1100S 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

ISO 17025 ACCREDITED LABORATORY

Certified System Quality ISO 9001 SAI GLOBAL

Dimensions

Length	4900 mm
Width	2050 mm
Height	2470 mm
Weight	7165 Kg

Technical Data

Engine model	**Perkins 4008TAG2A / 4008TAG2**	
Cylinders	8 - vertical in-line	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	30.561 liters	
Oil consumption	0.53 g/kWh	
Lube oil capacity	153 liters	
Coolant capacity	162 liters	
Governor	Electronic-Digital	
Speed	1500 rpm	1800 rpm
Fuel Consumption @ 100% Load	220 L/H	213 L/H
Fuel Consumption @ 75% Load	160 L/H	206 L/H
Fuel Consumption @ 50% Load	108 L/H	205 L/H
Radiator Cooling Air Flow	1350 m3/min	1290 m3/min
Max exhaust gas flow	200 m3/min	202 m3/min
Emissions regulations	-	

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 TAL 049E**	
Regulation	± 0.5 %	
International protection	IP23	
Insulation class	H	
Terminals	6 or 12	
Frequency	50 Hz	60 Hz
Coolant Air flow	1.2 m3/s	1.4 m3/s

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