

Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage * ¹	Freq.* ²	PT800* ³	PT880S* ⁴
400V	50 Hz	800.0 KVA	880.0 KVA

The above ratings represent the generating set capability guaranteed within + 3% at the reference conditions equivalent to those specified in ISO 8528/1, ISO 3046/1 and BS 5514/1

NOTES

1. The applicable voltage range is 380V to 415V for 50 Hz application and 380V to 480V for 60 Hz applications.
2. This generating set is of switchable speed of 1500rpm/1800rpm.
3. PT800 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. Nothing that a 10% overload is available for 1 hour in every 12 hours operation.
4. PT880S is 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. Nothing that no overload is permitted.

Engine Technical Data		
Model	Perkins 4006-23TAG3A	
Cylinders	6; vertical in-line	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	22.921 L	
Oil consumption	0.25% of fuel consumption	
Lube oil capacity	113.4 L	
Coolant capacity	105.0 L	
Governor	Electronic	
Emissions regulations	½ TA Luft (1986)	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT800	172 L/H	200 L/H
Fuel Consumption PT880S	194 L/H	224 L/H
Radiation Cooling Air Flow	1200 m ³ /min	1320 m ³ /min
Max Exhaust Gas Flow	193 m ³ /min	209 m ³ /min

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 CG4 (15W/40).
- * The coolant should be 50% antifreeze and 50% fresh water.

Alternator Technical Data		
Model	Leroy Somer LSA 49.1 M75	
Regulation	±0.5%	
International protection	IP23	
Insulation class	H	
Terminals	6	
Frequency	50 Hz	60 Hz
Coolant Air Flow	1.0 m ³ /s	1.2 m ³ /s

Shipping Data			
Length	Width	Height	Weight
4250 mm	1700 mm	2170 mm	5500 kg