

Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage * <sup>1</sup>	Freq. * <sup>2</sup>	PT660* <sup>3</sup>	PT710S* <sup>4</sup>
400V	50 Hz	663.0 KVA	713.3 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. PT660 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. PT710S 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		
<b>Model</b>	Perkins 2806A-E18TAG2	
<b>Cylinders</b>	6; vertical in-line	
<b>Aspiration</b>	Turbocharged & A/A charge cooled	
<b>Combustion</b>	Direct injection	
<b>Cooling System</b>	Water cooled	
<b>Displacement</b>	18.1 L	
<b>Oil consumption</b>	0.1% of fuel consumption	
<b>Lube oil capacity</b>	62 L	
<b>Coolant capacity</b>	61.0 L	
<b>Governor</b>	Electronic	
<b>Emissions regulations</b>	TA Luft (1986)	
<b>Speed</b>	1500 rpm	1800 rpm
<b>Fuel Consumption PT660</b>	132 L/H	127 L/H
<b>Fuel Consumption PT710S</b>	143 L/H	141 L/H
<b>Radiation Cooling Air Flow</b>	702 m <sup>3</sup> /min	852 m <sup>3</sup> /min
<b>Max Exhaust Gas Flow</b>	114 m <sup>3</sup> /min	118 m <sup>3</sup> /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		
<b>Model</b>	Leroy Somer LSA 49.1 S4	
<b>Regulation</b>	±0.5%	
<b>International protection</b>	IP23	
<b>Insulation class</b>	H	
<b>Terminals</b>	6	
<b>Frequency</b>	50 Hz	60 Hz
<b>Coolant Air Flow</b>	1.0 m <sup>3</sup> /s	1.2 m <sup>3</sup> /s

Shipping Data			
Length	Width	Height	Weight
3750 mm	1540 mm	2170 mm	5300 kg