



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage <sup>*1</sup>	Freq. <sup>*2</sup>	RM1000 <sup>*3</sup>	RM1100S <sup>*4</sup>
400 V	50 Hz	1000 KVA	1100 KVA
480 V	60 Hz	995.2 KVA	1095 KVA

## RM1000 - RM1100 S

RM1000 - RM1100S SB issue B2012

The above ratings represent the generating set capability guaranteed within  $\pm 3\%$  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 480V for 50Hz applications and 380V to 480V for 60Hz applications.
- 2 - This generating set is of fixed speed of 1500rpm or 1800rpm.
- 3 - RM1000 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 - RM1100S 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.

### Engine Technical Data

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 L	
Oil consumption	0.25% of fuel consumption	
Lube oil capacity	153 L	
Coolant capacity	149 L	
Governor	Electronic - Digital	
Emissions regulations	TA-Luft(1986)	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT1000	220 L/H	213 L/H
Fuel Consumption PT1100S	248 L/H	216 L/H
Radiator Cooling Air Flow	1350 m <sup>3</sup> /s	1290 m <sup>3</sup> /s
Max Exhaust Gas Flow	200 m <sup>3</sup> /min	202 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 CH4 (15W/40).
- The coolant should be 50% antifreeze and 50% fresh water.

### Alternator Technical Data

Model	Leroy Somer LSA 49.1L11		
Regulation	$\pm 0.5\%$		
International protection	IP23		
Insulation class	H		
Terminals	6		
Frequency	50 Hz	60 Hz	
Coolant Air Flow	1.2 m <sup>3</sup> /s	1.4 m <sup>3</sup> /s	

### Shipping Data

Length	Width	Height	Weight
4900 mm	2050 mm	2470 mm	7510 kg

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