



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage <sup>*1</sup>	Freq. <sup>*2</sup>	RM725 <sup>*3</sup>	RM800S <sup>*4</sup>
400 V	50 Hz	725.0 KVA	800.0 KVA
480 V	60 Hz	750.0 KVA	844.0 KVA

## RM725 - RM800 S

RM725 - RM800S SB issue B2012

The above ratings represent the generating set capability guaranteed within  $\pm 3\%$  at the references 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 50Hz applications and 380V to 480V for 60Hz applications.
- 2 - This generating set is of fixed speed of 1500rpm or 1800rpm.
- 3 - RM725 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 - RM800S 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 4006-23TAG2A	
Cylinders	6; vertical in-line	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
<b>Cooling System</b>	Water cooled	
Displacement	22.921 L	
<b>Oil consumption</b>	0.25 % of fuel consumption	
<b>Lube oil capacity</b>	113.4 L	
<b>Coolant capacity</b>	105.0 L	
Governor	Electronic	
<b>Emissions regulations</b>	½ TA-Luft	
Speed	1500 rpm	1800 rpm
<b>Fuel Consumption PT725</b>	157 L/H	172 L/H
<b>Fuel Consumption PT800S</b>	173 L/H	194 L/H
Radiator Cooling Air Flow	1200 m <sup>3</sup> /min	1320 m <sup>3</sup> /min
<b>Max Exhaust Gas Flow</b>	180 m <sup>3</sup> /min	190 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 49.1 M6		
Regulation	$\pm 0.5\%$		
<b>International protection</b>	IP23		
<b>Insulation class</b>	H		
Terminals	6		
Frequency	50 Hz	60 Hz	
Coolant Air Flow	1.0 m <sup>3</sup> /s	1.2 m <sup>3</sup> /s	

### Shipping Data

Length	Width	Height	Weight
4250 mm	1700 mm	2170 mm	4700 kg

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