



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage <sup>*1</sup>	Freq. <sup>*2</sup>	RM750 <sup>*3</sup>	RM820S <sup>*4</sup>
400 V	50 Hz	747.3 KVA	819.2 KVA
480 V	60 Hz	756.8 KVA	843.7 KVA

## RM750 - RM820 S

RM750- RM820S 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 415V for 50Hz applications and 380V to 480V for 60Hz applications.
- 2 - This generating set is of fixed speed of 1500rpm or 1800rpm.
- 3 - RM750 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 - RM820S 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.

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.

### Engine Technical Data

Model	Perkins 4006-23TAG2A	
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-Digital	
Emissions regulations	½ TA-Luft	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT750	157 L/H	177 L/H
Fuel Consumption PT820S	173 L/H	199 L/H
Radiator Cooling Air Flow	1200 m <sup>3</sup> /min	1320 m <sup>3</sup> /min
Max Exhaust Gas Flow	180 m <sup>3</sup> /min	190 m <sup>3</sup> /min

### Alternator Technical Data

Model	Leroy Somer LSA 49.1 M75		
Regulation	$\pm 0.5\%$		
International protection	IP23		
Insulation class	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	1920 mm	2290 mm	6100 kg

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