



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage <sup>*1</sup>	Freq. <sup>*2</sup>	RM355 <sup>*3</sup>	RM410S <sup>*4</sup>
400 V	50 Hz	355.7 KVA	407.9 KVA
480 V	60 Hz	405.7 KVA	444.8 KVA

## RM355 - RM410 S

RM355 - RM410S 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 switchable speed of 1500rpm/1800rpm.
- 3 - RM355 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 - RM410S 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 2206A-E13TAG2	
Cylinders	6; vertical in-line	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
<b>Cooling System</b>	Water cooled	
Displacement	12.5 L	
<b>Oil consumption</b>	0.1 % of fuel consumption	
<b>Lube oil capacity</b>	40.0 L	
<b>Coolant capacity</b>	51.4 L	
Governor	Electronic	
<b>Emissions regulations</b>	Non Compliant	
Speed	1500 rpm	1800 rpm
<b>Fuel Consumption PT355</b>	71 L/H	88 L/H
<b>Fuel Consumption PT410S</b>	77 L/H	81 L/H
Radiator Cooling Air Flow	563 m <sup>3</sup> /min	716 m <sup>3</sup> /min
<b>Max Exhaust Gas Flow</b>	64.8 m <sup>3</sup> /min	73.5 m <sup>3</sup> /min

### Alternator Technical Data

Model	Leroy Somer LSA 47.2 VS 2		
Regulation	$\pm 0.5\%$		
<b>International protection</b>	IP 23		
<b>Insulation class</b>	H		
Terminals	12		
Frequency	50 Hz	60 Hz	
Coolant Air Flow	0.9 m <sup>3</sup> /s	1.1 m <sup>3</sup> /s	

### Shipping Data

Length	Width	Height	Weight
3400 mm	1120 mm	1940 mm	2950 kg

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