



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage ^{*1}	Freq. ^{*2}	RM1250 ^{*3}	RM1375 S ^{*4}
400 V	50 Hz	1250 KVA	1375 KVA
480 V	60 Hz	1256 KVA	1387 KVA

RM1250 - RM1375 S

RM1250 - RM1375S 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. Genset working at 1800rpm are available on request.
- 3 - RM1250 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 - RM1375S 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 4012-46TWG2A	
Cylinders	12;60° Vee Form	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	45.842 L	
Oil consumption	0.7 g/KW/hr	
Lube oil capacity	177 L	
Coolant capacity	201 L	
Governor	Electronic - Digital	
Emissions regulations	TA-Luft(1986)	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT1250	259 L/H	266 L/H
Fuel Consumption PT1375S	288 L/H	298 L/H
Radiator Cooling Air Flow	28.0 m ³ /s	28.33 m ³ /s
Max Exhaust Gas Flow	235 m ³ /min	235 m ³ /min

Alternator Technical Data

Model	Leroy Somer LSA 50.2 M6	
Regulation	$\pm 0.5\%$	
International protection	IP23	
Insulation class	H	
Terminals	6	
Frequency	50 Hz	60 Hz
Coolant Air Flow	1.8 m ³ /s	2.2 m ³ /s

Shipping Data

Length	Width	Height	Weight
4600 mm	1800 mm	2500 mm	9000 kg

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