



RM410 - RM450 S

RM410 - RM450S SB issue B2012

Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage ^{*1}	Freq. ^{*2}	RM410 ^{*3}	RM450S ^{*4}
400 V	50 Hz	410.0 KVA	450.0 KVA
480 V	60 Hz	411.4 KVA	448.6 KVA

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 - RM410 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 - RM450S 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 2206A-E13TAG3	
Cylinders	6; vertical in-line	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	12.5 L	
Oil consumption	0.1 % of fuel consumption	
Lube oil capacity	40.0 L	
Coolant capacity	51.4 L	
Governor	Electronic	
Emissions regulations	Non Compliant	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT410	81 L/H	81 L/H
Fuel Consumption PT450S	89 L/H	88 L/H
Radiator Cooling Air Flow	563 m ³ /min	716 m ³ /min
Max Exhaust Gas Flow	72.5 m ³ /min	73.5 m ³ /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 47.2 S4		
Regulation	$\pm 0.5\%$		
International protection	IP23		
Insulation class	H		
Terminals	12		
Frequency	50 Hz	60 Hz	
Coolant Air Flow	0.9 m ³ /s	1.1 m ³ /s	

Shipping Data

Length	Width	Height	Weight
3400 mm	1120 mm	1940 mm	3080 kg

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