



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage <sup>*1</sup>	Freq. <sup>*2</sup>	RM95 <sup>*3</sup>	RM105S <sup>*4</sup>
400 V	50 Hz	95.6 KVA	105.2 KVA
480 V	60 Hz	111.0 KVA	121.6 KVA

## RM95 - RM105 S

RM95 - RM105S 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 - RM95 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 - RM105S 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 1006TG1A	
Cylinders	6; vertical in-line	
Aspiration	Turbocharged	
Combustion	Direct injection	
<b>Cooling System</b>	Water cooled	
Displacement	5.99 L	
<b>Oil consumption</b>	0.5 % of fuel consumption	
<b>Lube oil capacity</b>	16.1 L	
<b>Coolant capacity</b>	27.7 L	
Governor	Mechanical	
<b>Emissions regulations</b>	Non-compliant	
Speed	1500 rpm	1800 rpm
<b>Fuel Consumption PT95</b>	21.8 L/H	25.8 L/H
<b>Fuel Consumption PT105S</b>	24.1 L/H	28.4 L/H
Radiator Cooling Air Flow	115 m <sup>3</sup> /min	140 m <sup>3</sup> /min
<b>Max Exhaust Gas Flow</b>	15.5 m <sup>3</sup> /min	19.4 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 44.2 VS45	
Regulation	$\pm 0.5\%$	
<b>International protection</b>	IP23	
<b>Insulation class</b>	H	
Terminals	12	
Frequency	50 Hz	60 Hz
Coolant Air Flow	0.37 m <sup>3</sup> /s	0.44 m <sup>3</sup> /s

### Shipping Data

Length	Width	Height	Weight
2300 mm	770 mm	1260 mm	1150 kg

RICH MOTOR COMPANY (FZE)  
HAMRIAH FREEZONE - SHARJAH ( PHASE II)  
UNITED ARAB EMIRATES

Mob: +971 50 978 8830  
Tel: +971 6 748 9001  
Fax: +971 50 269 4033

e-mail: rmcghaddar@gmail.com  
www.richmotor.com

