



| Rating @ 0.8 PF |          | Prime rating | Stand-by rating |
|-----------------|----------|--------------|-----------------|
| Voltage *1      | Freq. *2 | RM12.5 *3    | RM14S           |
| 400 V           | 50 Hz    | 12.5 KVA     | 14.0 KVA        |
| 480 V           | 60 Hz    | 15.5 KVA     | 17.0 KVA        |

## RM12.5 - RM 14 S

RM12.5 -RM14S 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 60 Hz applications
- 2 - This generating set is of fixed speed of 1500rpm or 1800rpm.
- 3 - RM12.5 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 - RM14S is a 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 403D-15G                       |                          |
| Cylinders                      | 3; vertical in-line                    |                          |
| Aspiration                     | Naturally aspirated                    |                          |
| Combustion                     | Indirect injection                     |                          |
| <b>Cooling System</b>          | Water cooled                           |                          |
| Displacement                   | 1.496 L                                |                          |
| <b>Oil consumption</b>         | 0.1 % of fuel consumption              |                          |
| <b>Lube oil capacity</b>       | 6.0 L Max                              |                          |
| <b>Coolant capacity</b>        | 6.0 L                                  |                          |
| Governor                       | Mechanical                             |                          |
| <b>Emissions regulations</b>   | EU2007(EU97/68/EC Stage II)&EPA /tier4 |                          |
| Speed                          | 1500 rpm                               | 1800 rpm                 |
| <b>Fuel Consumption PT12.5</b> | 3.6 L/H                                | 4.4 L/H                  |
| <b>Fuel Consumption PT14S</b>  | 4.0 L/H                                | 4.9 L/H                  |
| Radiator Cooling Air Flow      | 36.6 m <sup>3</sup> /min               | 51.0 m <sup>3</sup> /min |
| <b>Max Exhaust Gas Flow</b>    | 2.70 m <sup>3</sup> /min               | 3.36 m <sup>3</sup> /min |

### Alternator Technical Data

|                                 |                        |                        |
|---------------------------------|------------------------|------------------------|
| Model                           | Leroy Somer LSA 40VS1  |                        |
| Regulation                      | $\pm 1\%$              |                        |
| <b>International protection</b> | IP23                   |                        |
| <b>Insulation class</b>         | H                      |                        |
| Terminals                       | 12                     |                        |
| Frequency                       | 50 Hz                  | 60 Hz                  |
| Coolant Air Flow                | 0.06 m <sup>3</sup> /s | 0.07 m <sup>3</sup> /s |

### Shipping Data

| Length  | Width  | Height | Weight |
|---------|--------|--------|--------|
| 1500 mm | 610 mm | 990 mm | 460 kg |

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