

## Technical Data of Engine: **MAN D2862 LE 231**

**MAN**



|                               |   |
|-------------------------------|---|
| Cylinders                     | : 4 Stroke, 12 Cylinder V Diesel Engine   |
| Aspiration                    | : Exhaust turbocharger  |
| Monitor                       | : MFR-Display for monitoring and control the engine via CAN including Display cable |
| Injection                     | : Common Rail with EDC7 C32   |
| Displacement                  | : 24.2 L  |
| Cooling                       | : Water-cooled with Intercooler   |
| Oil Consumption (average/max) | : 280/670 g/h   |
| Lube oil Capacity             | : 90 L  |
| Coolant Capacity              | : 117 L   |
| Governor                      | : Electronically  |
| Emission Standard             | : Stage 2 EU 97/68 EG   |
| Speed                         | : 1500 rpm  |
| Mechanical Output             | : 800 kW / 1000kVA  |
| Fuel Con. 100% Load           | : 188 g/kWh / 177 l/h   |
| Radiator Cooling Air Flow     | : 63000 m <sup>3</sup> /h   |
| Exhaust Gas Air Flow          | : 7620 m <sup>3</sup> /h  |

## Technical Data of Alternator: **Leroy-Somer TAL049 E**

**Leroy-Somer**



|                          |                                      |
|--------------------------|--------------------------------------|
| Model Option 1           | : Leroy Somers TAL 049E              |
| Option 2                 | : As per customer request            |
| AVR type                 | : R150                               |
| Voltage regulation       | : +/- 1%                             |
| International Protection | : IP 23                              |
| Insulation Class         | : H                                  |
| Terminals                | : 4 Terminal Plate                   |
| Connection               | : Star and Delta                     |
| Frequency                | : 50-60 Hz (as per customer request) |
| Coolant Air Flow         | : 1-1.2 m <sup>3</sup> /s            |

## Control Panel: **DSE7320**

**DSE**



|                         |                              |
|-------------------------|------------------------------|
| Automatic Start Control | 1% of Full scale true RMS Se |
| USB Port                |                              |
| kWh monitoring          |                              |
| kW overload protection  |                              |

## Rating of Electro Pack: **EP 940.**

| EP 940 Rating @ 0.8PF      |                    | Prime Rating |
|----------------------------|--------------------|--------------|
| Voltage / Connection (Y-Δ) | Freq. / Speed      | EP 940       |
| 400 – 230 V                | 50 Hz – 1500 R.P.M | 1000 kVA     |
| 380 – 220 V                | 60 Hz – 1800 R.P.M | 990 kVA      |

1. The applicable voltage range is 400 - 230V for 50Hz, and 380 - 220V for 60Hz.
2. This generating set is switchable from 1500 rpm to 1800 rpm.
3. 1000kVA/50Hz is the Prime Power rating of this power generating set, where a variable load and unlimited hours usage are applied. Average load factor is 80% of prime power in every 24H.
4. 990kVA/60Hz is the Prime Power rating of this power generating set, where a variable load and unlimited hours usage are applied. Average load factor is 80% of prime power in every 24H.

