

Technical Data of Engine: **MAN D2862 LE 221**

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	: 700 kW / 875 kVA
Fuel Con. 100% Load	: 194 g/kWh / 160 l/h
Radiator Cooling Air Flow	: 63000 m³/h
Exhaust Gas Air Flow	: 6632 m³/h

Technical Data of Alternator: **Leroy-Somer TAL049 C**

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 m³/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 820.**

EP 820 Rating @ 0.8PF		Prime Rating	Standby Rating
Voltage / Connection (Y-Δ)	Freq. / Speed	EP 820	
400 – 230 V	50 Hz – 1500 R.P.M	820 kVA	910 kVA
380 – 220 V	60 Hz – 1800 R.P.M	815 kVA	895 kVA

1. The applicable voltage range is 400V - 230V for 50Hz, and 380 - 220V for 60Hz.
2. This generating set is switchable from 1500 rpm to 1800 rpm.
3. 820kVA 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. 910kVA is the Standby Power rating of this power generating set, where a variable limited to an annual usage of up to 500Hours is applied. No overload being permitted.

