

**Engine Specifications** 

Manufacture

**Engine Model** 

No. of Cylinders

Cycle

Aspiration

**Cooling Method** 

**Governing Type** 

**Governing Class** 

**Compression Ratio** 

Displacement

**AVR** 

275 Kva

220 Kw

# **EDD-270**

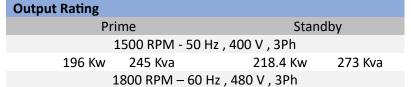
# ECHNICAL DATA SHE



**LEROY-SOMER** 



Bore/Stroke	111 x 139 mm
Dynamic Charging Alternator	45 AMP, 24V
Alternator Specifications	
Manufacture	Leroy Somer
Alternator Model	TAL-A46-D
Number of Poles	4
Number of winding leads	6
Type of Bearing	Single Bearing
Ingress Protection Rating	IP 23
Insulation Class	Cont. H – 125/40°C
Excitation System	Self-Excited





245 Kw

Doosan

DP086LA

6 vertical in-line

4 strokes

**Turbocharged After** 

cooled

Water Cooled

Electronic

G2-ISO 8528 Part 1

16.7:1

8.07 L

R120

306.25 Kva

### **GENERAL SPECIFICATIONS**

### Rating:

- **Prime Rating: Unlimited hours** usage, with an average load factor of 80% over each 24 hour period. 10% overload is available for 1 hour in every 12 hours operation. Overload is permitted on standby power.
- **Standby Rating:** Limited to 500 hours annual usage, with an average load factor of 80% of the published standby power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on standby power.

### **Engine:**

Doosan engine

### Alternator:

Brushless AC alternator

### **Circuit Breaker:**

3 Pole LS MCCB





# **Control System**



### DSE 6120 MKII

AUTO STAR &
AUTO MAINS
FAILURE

- Large back-lit text display
   Multiple display languages
- DSENet® expansion compatible
- Data logging facility
- Fully configurable via PC using USB communication
- Front panel configuration
- Efficient power save mode
- 3 phase generator sensing
- Accumulated power monitoring (kW h, kVA h, kVAr h)
- Generator/load current monitoring and protection
- IP65 rating (with optional gasket) offers increased resistance to water ingress

- Generator overload protection (kW)
- Breaker control via fascia buttons
- Fuel and start outputs, configurable when using CAN
- 4 configurable DC outputs
- 4 configurable analogue/digital inputs
- Automatically transfers between mains (utility) and generator(DSE 6120MKII only)
- Increased input and output expansion capability via DSENet ®
- IP65 rating (with optional gasket) offers increased resistance to water ingress

## **Dimensions**

Туре	Length (mm)	Width (mm)	Height (mm)	Fuel Tank (L)	Weight (KG)
Open	2835	1150	1915	330	2136
Close	3300	1150	2260	330	2566



### **Comply with Standards**

ISO 3046, BS 5514, DIN 6271, NEM -MGI, DIN EN, BS 5000, IEC 60034, IEC 60947-2

### **Acoustic Enclosure Specifications**

Enclosure Type	Acoustic & Weather Proof
Drainage	Fuel and Water Drainage Provision
Transportation	Tested Single Point Lifting Facility & Forklift Pockets
Ingress Protection Rating	IP 23
Lifting	ISO Standard Lifting
Canopy RAL Color	TAL 9010
Base frame RAL Color	RAL 9011
Noise Pressure level @ 7m	76 dB @ 7 m

### **Fuel System**

<b>Recommended Fuel</b>	Class A2 Diesel
Fuel Consumption Standby	54.4 L/hr
Fuel Consumption 100% PRP	48.7 L/hr
Fuel Consumption 75% PRP	36.8 L/hr
Fuel Consumption 50% PRP	24.6 L/hr

