

Engine Specifications

Manufacture

Engine Model

No. of Cylinders

Cycle

Aspiration

Cooling Method

Governing Type

Governing Class

Compression Ratio

Displacement Bore/Stroke

Dynamic Charging Alternator

AVR

EDD-180

Doosan

DP086TA

6 vertical in-line

4 strokes

Turbocharged After

cooled

Water Cooled

Electronic

G2-ISO 8528 Part 1

16.7:1

8.07 L

111 x 139 mm

45 AMP, 24V

R120

ECHNICAL DATA SHEE

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:

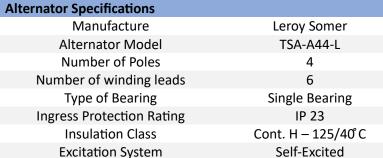
Doosan engine

Alternator:

Brushless AC alternator

Circuit Breaker:

3 Pole LS MCCB





LEROY-SOMER



O	ut	p	ut	Ra	ti	ng

Pri	me	Star	ndby
1	L500 RPM - 50	Hz , 400 V , 3Ph	
132 Kw	165 Kva	147 Kw	183.75 Kva
1	.800 RPM – 60	Hz , 480 V , 3Ph	
160 Kw	200 Kva	179 Kw	223 75 Kva





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	2248	900	1560	400	1560
Close	3562	1155	1832	400	2201



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	72 dB @ 7 m

Fuel System

Recommended Fuel	Class A2 Diesel
Fuel Consumption Standby	37.9 L/hr
Fuel Consumption 100% PRP	33.7 L/hr
Fuel Consumption 75% PRP	25.5 L/hr
Fuel Consumption 50% PRP	17.4 L/hr

