Engine Specifications

Manufacture

Engine Model

No. of Cylinders

Cycle

Aspiration

Cooling Method

Governing Type

Governing Class

Compression Ratio

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:

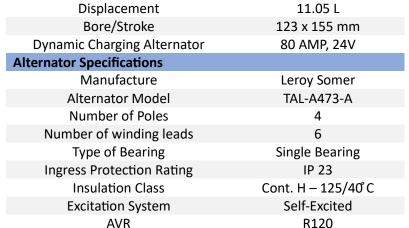
Doosan engine

Alternator:

Brushless AC alternator

Circuit Breaker:

3 Pole LS MCCB





LEROY-SOMER



Output Rating

| Prime | | Standby | | | |
|--------------------------------|------------------------|-----------|---------|--|--|
| : | 1500 RPM - 50 Hz , 400 |) V , 3Ph | | | |
| 311 Kw | 389 Kva | 346 Kw | 433 Kva | | |
| 1800 RPM – 60 Hz , 480 V , 3Ph | | | | | |
| 342 Kw | 428 Kva | 378 Kw | 473 Kva | | |



Doosan

DP126LB

6 vertical in-line

4 strokes

Turbocharged After

cooled

Water Cooled

Electronic

G2- ISO 8528 Part 1

17.2:1



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 | 3300 | 1600 | 1835 | 430 | 3160 |
| Close | 4150 | 1600 | 2555 | 430 | 3835 |



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 | 78 dB @ 7 m | |

Fuel System

| Recommended Fuel | Class A2 Diesel | |
|---------------------------|-----------------|--|
| Fuel Consumption Standby | 80.3 L/hr | |
| Fuel Consumption 100% PRP | 76 L/hr | |
| Fuel Consumption 75% PRP | 57.1 L/hr | |
| Fuel Consumption 50% PRP | 38.4 L/hr | |

