



EDC-55

Gen - Set

TECHNICAL DATA SHEET

Engine Specifications

| | |
|-----------------------------|---------------------|
| Manufacture | CUMMINS |
| Engine Model | S3.8G6 |
| No. of Cylinders | 4 vertical in-line |
| Cycle | 4 strokes |
| Aspiration | Turbocharged |
| Cooling Method | Water Cooled |
| Governing Type | Mechanical |
| Governing Class | G2- ISO 8528 Part 1 |
| Compression Ratio | 17.5:1 |
| Displacement | 3.8 L |
| Bore/Stroke | 97 x 128 mm |
| Dynamic Charging Alternator | 36 AMP, 12V |

Alternator Specifications

| | |
|---------------------------|---------------------|
| Manufacture | Leroy Somer |
| Alternator Model | TAL-042H |
| 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 |
| AVR | R120 |

Output Rating

| Prime | | Standby | |
|--------------------------------|--------|---------|--------|
| 1500 RPM - 50 Hz , 400 V , 3Ph | | | |
| 40 Kw | 50 Kva | 44 Kw | 55 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:

CUMMINS engine

Alternator:

Brushless AC alternator

Circuit Breaker:

3 Pole LS MCCB



LERROY-SOMER™





Control System



DSE 4520 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
- Increased input and output expansion capability via DSENet®

Dimensions

| Type | Length (mm) | Width (mm) | Height (mm) | Fuel Tank (L) | Weight (KG) |
|-------|-------------|------------|-------------|---------------|-------------|
| Open | 1800 | 730 | 1215 | 175 | 800 |
| Close | 2300 | 1100 | 1650 | 200 | 1300 |



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 | 68 dB @ 7 m |

Fuel System

| Recommended Fuel | Class A2 Diesel |
|---------------------------|-----------------|
| Fuel Consumption Standby | 14.3 L/hr |
| Fuel Consumption 100% PRP | 12.8 L/hr |
| Fuel Consumption 75% PRP | 9.5 L/hr |
| Fuel Consumption 50% PRP | 6.5 L/hr |