EDC-28
Gen - Set

TECHNICAL DATA SHEET

Engine Specifications	
Manufacture	CUMMINS
Engine Model	X2.5-G2
No. of Cylinders	3 vertical in-line
Cycle	4 strokes
Aspiration	Naturally Aspirated
Cooling Method	Water Cooled
Governing Type	Mechanical
Governing Class	G2- ISO 8528 Part 1
Compression Ratio	18.5:1
Displacement	2.5 L
Bore/Stroke	91.4 x 127 mm
Dynamic Charging Alternator	36 AMP, 12V
Alternator Specifications	
Manufacture	Leroy Somer
Alternator Model	TAL-042C
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			
20 Kw	25 Kva	22.4 Kw	28 Kva

Power Generation

LEROY-SOMER™

DSE

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

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	1700	780	1250	102	660
Close	2570	1160	1175	175	900

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	6.5 L/hr
Fuel Consumption 100% PRP	6 L/hr
Fuel Consumption 75% PRP	4.8 L/hr
Fuel Consumption 50% PRP	3.5 L/hr

Comply with Standards

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