

Engine Specifications

Manufacture

Engine Model

No. of Cylinders

Cycle

Aspiration

Cooling Method

Excitation System

AVR

EDC-38

TECHNICAL DATA SHEE







Governing Type Mechanical **Governing Class** G2-ISO 8528 Part 1 **Compression Ratio** 18.5:1 Displacement 3.3 L Bore/Stroke 91.4 x 127 mm **Dynamic Charging Alternator** 36 AMP, 12V **Alternator Specifications** Manufacture **Leroy Somer** TAL-042F Alternator Model Number of Poles 4 6 Number of winding leads Type of Bearing Single Bearing **Ingress Protection Rating** IP 23 Cont. H - 125/40°C **Insulation Class**

CUMMINS

X3.3-G1

3 vertical in-line

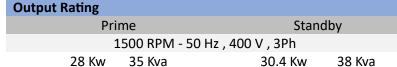
4 strokes

Naturally Aspirated

Water Cooled

Self-Excited

R120





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

Туре	Length (mm)	Width (mm)	Height (mm)	Fuel Tank (L)	Weight (KG)
Open	1950	780	1240	175	820
Close	2306	1083	1391	200	1000



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	10.4 L/hr	
Fuel Consumption 100% PRP	8.5 L/hr	
Fuel Consumption 75% PRP	6.1 L/hr	
Fuel Consumption 50% PRP	4.3 L/hr	

