

Mechanical version Open version with compact baseframe and high capacity integrated fuel tank without collection basin.

Fuel Tank Capacity (L) 160

RATED TECHNICAL DATA

Prime Power (PRP)	100.00 kVA
Prime Power (PRP)	80.00 kW
Standby Power (ESP)	110.00 kVA
Standby Power (ESP)	88.00 kW
Rated Power Factor (cosφ)	0.8
Rated three-phase concatenated voltage	400 V
Rated phase neutral voltage	230 V
Rated frequency	50 Hz
Fuel type	Diesel

GENERAL ALTERNATOR DATA

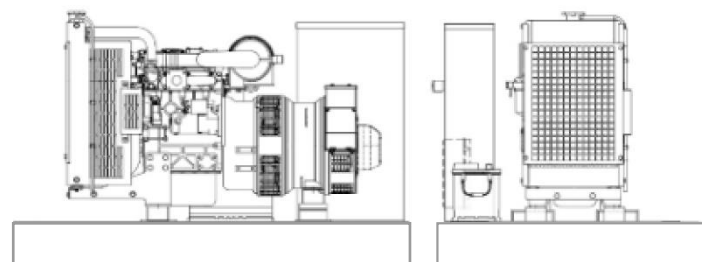
Alternator brand	Leroy-Somer
Alternator model	TAL 044 D
P.R.P. Power	100 kVA
E.S.P. Power	110 kVA
Winding Pitch	Three phases Series Star
Number of wires	6
IP Protection	23
Electronic regulator	R120
Precision	± 1.00 %

FUEL CONSUMPTION

Fuel Cons. at 100% (E.S.P)	24.4 l/h
Fuel Cons. at 100% (P.R.P)	21.3 l/h
Fuel Cons. at 75% (P.R.P.)	16.0 l/h
Fuel Cons. at 50% (P.R.P.)	11.00 l/h
Fuel Cons. at 25% (P.R.P.)	6.0 l/h

Standard Set-Mounted Radiator Cooling

System designed for ambient temp.	50 deg C
Coolant capacity (L)	13



For illustrative purposes only

GENERAL ENGINE DATA

Engine brand	BAUDOUIN
Engine model	4M10G110/5
Cylinders	4
R.P.M.	1500
Air intake	Turbocharged and Aftercooled
Standard voltage	12 Vdc
BMEP	1960 kPa
Flywheel P.R.P. Power	90kW
Flywheel Stand-by Power	100 kW
Oil quantity (L)	12.00
Compression ratio	17.5:1
Cubic capacity (L)	4.087
Governor	Electronic

Control Module Specifications

The DSE4620 is an Auto Mains Failure Control Module

- Back-lit LCD display
- 3 Phase generator and 3 Phase Mains monitoring
- Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level
- Display warning, shutdown and engine status information
- Hours counter provides accurate information for monitoring and maintenance



DIMENSIONS AND NOISE

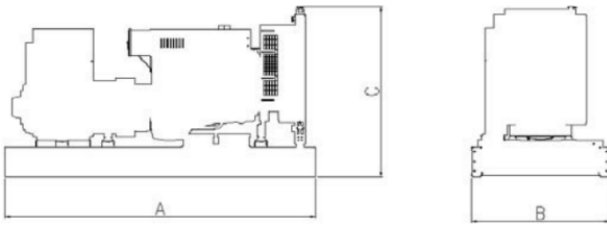
Length	2030 mm
Width	890 mm
Height	1510 mm
Weight	1300 kg
Sound pressure 7 m.	- dBA



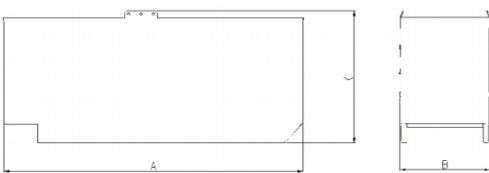
For illustrative purposes only

Genset outline

Open set



Enclosed set



Remarks

Prime Rating: These ratings are applicable for supplying continuous electrical power (at variable load) in the lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Rating: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous tested (as defined in ISO 8528-3).

Standard Reference Conditions

Note: Standard reference conditions of 25 deg C (77deg F) Air Inlet Temp, at 100m (328 ft) A.S.L. with 30% relative humidity. The fuel consumption data are at full load with diesel fuel with specific gravity of 0.85 and in compliance with BS2869: 1998, Class A2.