

شركة بوابــة الآليـات المتحــدة Machinery Gate United Co

TA DIESEL GENERATOR



GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	150 KVA	165 KVA
50 C	120 KW	132 KW

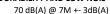
Baudouin

Freqency: 60Hz Voltage: 400 V 1800 RPM **Engine Speed:** Fule Tank Run Time: 12hrs @ 75% load

BAUDOUIN MOTEURS FEATURES

Low in fuel consumption Low exhaust emissions

DURABILITY AND LOW NOIS



ELECTRICAL SYSTEM

24V negative earthed starter, battery charging alternator.

FILTERING SYSTEM

Heavy Duty Air Cleaner LEROY-SOMER ALTERNATOR

The TAL alternator range is designed to meet

the needs of general applications such as LEROY-SOMER prime power and stand-by.

STANDARD OF COMPLIANCE

The TAL range complies with international standards and regulations: IEC 60034 and derivative.

The range is designed, manufactured and marketed in an ISO 9001 and 14001 environment

TOP OF THE RANGE ELECTRICAL PERFORMANCE:

Class H insulation

Standard 6(12 option) wire re-connectable winding, and 2/3 pitch High efficiency and motor starting capacity

DEEP SEA CONTROLLER DSE6120 MKI

The DSE4520 module monitors the engine, indicating the operational status and fault conditions

automatically shutting down the engine and giving a true first up fault condition of an engine failure by the text LCD display.



Features

Data Logging

Text based LCD display True RMS Voltage Current and Power monitoring **USB** Communications Engine parameter monitoring. Fully configurable inputs for use as alarms or a range of different functions.

Email: Abdullah@Voltagenerators.com



GENERATOR SPECIFICATIONS

Engine Manufacturer Baudouin Moteurs 6M11G2D0/S **Engine Model Engine Speed** 1800 RPM In-Line, 4 cycle Type Number of Cylinder 105 x 130 mm Bore x Stroke Displacement 6.75 L

Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 164 L/h (prime) SAE 3/11.5" Flywheel

18:01

Alternator

Compression Ratio

Manufacturer LEROY-SOMER TAL044H Model Control System **Shunt Excitation** Voltage Regulation +/- 1% Insulation Class Class H Protection IP23 Rated Power Factor 0.8

Stator Winding Double Layer Lap Winding Pitch 2/3 6 (12 option) Winding Leads Total Harmonic Distortion THD No Load < 2%

Total Harmonic Distortion In linear load THD < 5%

Maximum Overspeed 2250 R.P.M

Overall Specification

2250 x 964 x 1520 mm Dimensions (LxWxH) Wet Weight 1103 kg Sound Level: 78 dB(A) @ 7m +- 3 dBA

Ambient Temperature 50 °C Altitude 0 m Relative Humidity Below 90% Coolant capacity 20 L **Fuel Tank Capacity** 25.9 litres Total oil capacity (including filters)

CONDITIONS AND DEFINITIONS

PRIME POWER RATING

Prime Power is the maximum power available for unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine's PRP power rating during any 24 hour period. An overload capability of 10% is available, however, this is limited to 1 hour within every 12 hour period.

STANDBY POWER RATING

Emergency Standby Power is the maximum power available for a varying load for the duration of a main power network failure. The average load factor over 24 hours of operation should not exceed 70% of the engine's ESP power rating. Typical operational hours of the engine is 200 hours per year, with a maximum usage of 500 hours per year. This includes an annual maximum of 25 hours per year at the ESP power rating. No overload capability is allowed. The engine is not to be used for sustained utility paralleling applications.

STANDARD REFERRED

ISO 8528-1, ISO 3046, DIN6271. Performance tolerance of ±5%.