VGB-75 TA DIESEL GENERATOR

GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	75 KVA	82.5 KVA
50 C	60 KW	66 KW

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

BAUDOUIN MOTEURS

FEATURES

Low in fuel consumption
Low exhaust emissions

DURABILITY AND LOW NOIS

70 dB(A) @ 7M +- 3dB(A)

ELECTRICAL SYSTEM

24V negative earthed starter, battery charging alternator.

FILTERING SYSTEM

Heavy Duty Air Cleaner

LEROY-SOMER ALTERNATOR

APPLICATIONS

The TAL alternator range is designed to meet the needs of general applications such as 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

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.
Data Logging

GENERATOR SPECIFICATIONS

Engine	
Manufacturer	Baudouin Moteurs
Engine Model	4M10G2D0/S
Engine Speed	1800 RPM
Type	In-Line, 4 cycle
Number of Cylinder	4
Bore x Stroke	105*118 mm
Displacement	4.087 L
Compression Ratio	17.5 : 1
Fuel System	Mechanical Pump
Governor	Electronic
Fuel Consumption at 75% load	11.6 L/h (prime)
Flywheel	SAE 3 / 11.5
Alternator	
Manufacturer	LEROY-SOMER
Model	TAL042H
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
Winding Leads	6 (12 option)
Total Harmonic Distortion THD	No Load < 2%
Total Harmonic Distortion	In linear load THD < 5%
Maximum Overspeed	2250 R.P.M
Overall Specification	
Dimensions (L x W x H)	2250 x 964 x 1520 mm
Wet Weight	900 kg
Sound Level:	78 dB(A) @ 7m +- 3 dBA
Ambient Temperature	50 °C
Altitude	0 m
Relative Humidity	Below 90%
Coolant capacity	14 L
Fuel Tank Capacity	157 litres
Total oil capacity (including filters)	17.9 L

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%.

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