

VGB-18 TA DIESEL GENERATOR





### GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY	
50 C	23 KVA	25.3 KVA	
50 C	18.4 KW	20.24 KW	
Freqency:	60Hz		
Voltage:	400 V		
Engine Speed:	1800 RPM		
Fuel Tank Run Time:	12hrs @ 75%	load	
<b>BAUDOUIN MOTEURS</b>			
FEATURES			

Low in fuel consumption Low exhaust emissions

# Baudouin

DURABILITY AND LOW NOIS 70 dB(A) @ 7M +- 3dB(A) ELECTRICAL SYSTEM 12V 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:  $\mathsf{IEC}\xspace$  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 4M06G2D0/S Engine Model Engine Speed 1800 RPM In-Line, 4 cycle Type Number of Cylinder 89\*92 mm Bore x Stroke Displacement 2.3 L **Compression Ratio** 17.5:1 Mechanical Pump Fuel System Governor Electronic Fuel Consumption at 75% load 5 L/h (prime) SAE 4 / 7.5 Flywheel Alternator Manufacturer LEROY-SOMER TAL040F Model **Control System** Shunt Excitation Voltage Regulation +/- 1% Insulation Class Class H Protection IP23 Rated Power Factor 08 Stator Winding Double Layer Lap Winding Pitch 2/36 (12 option) Winding Leads Total Harmonic Distortion THD No Load < 2%**Total Harmonic Distortion** In linear load THD < 5% 2250 R.P.M Maximum Overspeed **Overall Specification** 2250 x 964 x 1520 mm Dimensions (LxWxH) 1882.1 kg Wet Weight Sound Level: 78 dB(A) @ 7m +- 3 dBA Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 8.6 L Fuel Tank Capacity 3.6 litres Total oil capacity (including filters) 9.5 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%.





# **VGB-29TA DIESEL GENERATOR**





#### GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY	
50 C	29 KVA	31.9 KVA	
50 C	23.2 KW	25.52 KW	
Freqency:	60Hz		
Voltage:	400 V		
Engine Speed:	1800 RPM		
Fuel 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 12V negative earthed starter, battery charging alternator. FILTERING SYSTEM Heavy Duty Air Cleaner LEROY-SOMER ALTERNATOR APPLICATIONS The TAL alternator range is designed to meet LEROY-SOMER 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

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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 4M06G4D0/S **Engine Speed** 1800 RPM Type In-Line, 4 cycle Number of Cylinder 4 Bore x Stroke 89 x 92 mm Displacement 2.3 L Compression Ratio 17.5:1 **Fuel System** Mechanical Pump Electronic Governor Fuel Consumption at 75% load 5.3 L/h (prime) Flywheel SAE 4 / 7.5 Alternator Manufacturer LEROY-SOMER Model **TAL042A** Control System Shunt Excitation +/- 1% Voltage Regulation Insulation Class Class H IP23 Protection **Rated Power Factor** 0.8 Stator Winding Double Laver Lap Winding Pitch 2/3 Winding Leads 6 (12 option) Total Harmonic Distortion THD No Load < 2% In linear load THD < 5% Total Harmonic Distortion Maximum Overspeed 2250 R.P.M **Overall Specification** Dimensions (LxWxH) 2250 x 964 x 1520 mm Wet Weight 1882.1 kg Sound Level: 78 dB(A) @ 7m +- 3 dBA Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 8.6 L **Fuel Tank Capacity** 4.5 litres Total oil capacity (including filters) 9.5 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%.





# VGB-32 TA DIESEL GENERATOR



## GENERATOR OUTPUT

	DDIME	CTANDDY
TEMPERATURE	PRIME	STANDBY
50 C	38 KVA	41.8 KVA
50 C	30.4 KW	33.44 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

12V 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

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

giving a true first up fault condition of an

engine failure by the text LCD display.

The DSE4520 module monitors the engine, indicating the operational status and fault conditions. automatically shutting down the engine and



#### 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 4M06G6D0/S 1800 RPM **Engine Speed** In-Line, 4 cycle Type Number of Cylinder Δ Bore x Stroke 89 × 92 mm Displacement 2.3 L **Compression Ratio**  $175 \cdot 1$ Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 7.1 L/h (prime) SAE 3 /11.5 Flywheel Alternator Manufacturer LEROY-SOMER Model TAL042C Control System Shunt Excitation Voltage Regulation +/- 1% Insulation Class Class H Protection IP23 **Rated Power Factor** 0.8 Double Layer Lap Stator Winding Winding Pitch 2/3 Winding Leads 6 (12 option) Total Harmonic Distortion THD No Load < 2% In linear load THD < 5% Total Harmonic Distortion Maximum Overspeed 2250 R.P.M **Overall Specification** Dimensions (LxWxH) 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 161 **Fuel Tank Capacity** 157 litres Total oil capacity (including filters) 9.5 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%.



# **VGB-40 TA DIESEL GENERATOR**



# GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	47 KVA	51.7 KVA
50 C	37.6 KW	41.36 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



DURABILITY AND LOW NOIS 70 dB(A) @ 7M +- 3dB(A)

ELECTRICAL SYSTEM

12V 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 4M06G8D0/S 1800 RPM **Engine Speed** In-Line, 4 cycle Type Number of Cylinder Δ Bore x Stroke 89 × 92 mm Displacement 2.3 L **Compression Ratio**  $175 \cdot 1$ Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 8.1 L/h (prime) Flywheel SAE 3 / 11.5 Alternator Manufacturer LEROY-SOMER Model TAL042F 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% In linear load THD < 5% **Total Harmonic Distortion** Maximum Overspeed 2250 R.P.M **Overall Specification** Dimensions (LxWxH) 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% 161 Coolant capacity **Fuel Tank Capacity** 157 litres Total oil capacity (including filters) 9.5 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%.



# VGB-50 TA DIESEL GENERATOR



## GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	63 KVA	69.3 KVA
50 C	50.4 KW	55.44 KW
Freqency:	60Hz	
Voltage:	400 V	
Engine Speed:	1800 RPM	
Fule Tank Run Time:	12hrs @ 75%	load
<b>BAUDOUIN MOTEURS</b>		

FEATURES

Low in fuel consumption Low exhaust emissions



DURABILITY AND LOW NOIS 70 dB(A) @ 7M +- 3dB(A)

ELECTRICAL SYSTEM

12V 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

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

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 4M06G10D0/S 1800 RPM **Engine Speed** In-Line, 4 cycle Type Number of Cylinder 89 \* 92 mm Bore x Stroke Displacement 2.3L **Compression Ratio** 17.5 : 1 Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 10.7 L/h (prime) SAE 3 / 11.5 Flywheel Alternator LEROY-SOMER Manufacturer Model TAL042H **Control System** Shunt Excitation Voltage Regulation +/- 1% Insulation Class Class H IP23 Protection 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** 2250 x 964 x 1520 mm Dimensions (LxWxH) Wet Weight 900 kg 78 dB(A) @ 7m +- 3 dBA Sound Level: Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 12.9L **Fuel Tank Capacity** 157 litres Total oil capacity (including filters) 7.35L 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 BATING

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%.





Type

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





Bore x Stroke Displacement **Compression Ratio Fuel System** Governor Fuel Consumption at 75% load Flvwheel Alternator Manufacturer Model Control System Voltage Regulation Insulation Class Protection Rated Power Factor Stator Winding Winding Pitch Winding Leads Total Harmonic Distortion THD Total Harmonic Distortion Maximum Overspeed **Overall Specification** Dimensions (LxWxH) Wet Weight Sound Level: Ambient Temperature Altitude **Relative Humidity** Coolant capacity Fuel Tank Capacity Total oil capacity (including filters) CONDITIONS AND DEFINITIONS

**Baudouin Moteurs** 4M10G2D0/S 1800 RPM In-Line, 4 cycle 4 105\*118 mm 4.087 L 17.5:1 Mechanical Pump Electronic 11.6 L/h (prime) SAE 3 / 11.5 LEROY-SOMER TAL042H Shunt Excitation +/- 1% Class H IP23 0.8 Double Layer Lap 2/3 6 (12 option) No Load < 2% In linear load THD < 5% 2250 R.P.M

2250 x 964 x 1520 mm 900 kg 78 dB(A) @ 7m +- 3 dBA 50 °C 0 m Below 90% 14 L 157 litres 17.9 L

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%

Email: Abdullah@Voltagenerators.com



LEROY-SOMER



# TA DIESEL GENERATOR



## GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	94 KVA	103.4 KVA
50 C	75.2 KW	82.72 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

12V 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

LEROY-SOMER

prime power and stand-by. STANDARD OF COMPLIANCE

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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

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#### 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 4M10G4D0/S Engine Model 1800 RPM Engine Speed In-Line, 4 cycle Type Number of Cylinder Δ 105 \* 118 mm Bore x Stroke Displacement 4.087 L **Compression Ratio**  $175 \cdot 1$ Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 16.46 L/h (prime) Flywheel SAE 3 / 11.5 Alternator Manufacturer LEROY-SOMER Model TAL044D 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% In linear load THD < 5% Total Harmonic Distortion Maximum Overspeed 2250 R.P.M **Overall Specification** Dimensions (LxWxH) 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% 17 91 Coolant capacity Fuel Tank Capacity 157 litres Total oil capacity (including filters) 14 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.

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





# VGB-110 TA DIESEL GENERATOR



# GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	112 KVA	123.2 KVA
50 C	89.6 KW	98.56 KW
Freqency:	60Hz	
Voltage:	400 V	
Engine Speed:	1800 RPM	
Fule Tank Run Time:	12hrs @ 759	% load
BAUDOUIN MOTEURS		

FEATURES

Low in fuel consumption Low exhaust emissions DURABILITY AND LOW NOIS



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70 dB(A) @ 7M +- 3dB(A) ELECTRICAL SYSTEM 12V 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 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

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#### 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 4M10G6D0/S Engine Speed 1800 RPM Type In-Line, 4 cycle Number of Cylinder Δ 105\*118 mm Bore x Stroke Displacement 4.087 L  $175 \cdot 1$ Compression Ratio Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 19.29 L/h (prime) Flywheel SAE 3 / 11.5 Alternator Manufacturer LEROY-SOMER Model TAL044D **Control System** Shunt Excitation Voltage Regulation +/- 1% Insulation Class Class H IP23 Protection **Rated Power Factor** 0.8 Stator Winding Double Laver Lap Winding Pitch 2/3 Winding Leads 6 (12 option) Total Harmonic Distortion THD No Load < 3.5% Total Harmonic Distortion In linear load THD < 5% Maximum Over speed 2250 rpm **Overall Specification** Dimensions (LxWxH) 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 23.6 L **Fuel Tank Capacity** 157 litres Total oil capacity (including filters) 14 I 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 REFERED

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



# TA DIESEL GENERATOR



#### GENERATOR OUTPUT

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

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 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

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 6M11G2D0/S Engine Model Engine Speed 1800 RPM In-Line, 4 cycle Type Number of Cylinder 6 105 x 130 mm Bore x Stroke Displacement 6.75 L **Compression Ratio** 18:01 Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 164 L/h (prime) SAE 3/11.5" Flywheel Alternator 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 2/36 (12 option) Winding Leads Total Harmonic Distortion THD No Load < 2%**Total Harmonic Distortion** In linear load THD < 5% 2250 R.P.M Maximum Overspeed **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) 71 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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# VGB-181 TA DIESEL GENERATOR



## GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	181 KVA	199.1 KVA
50 C	144.8 KW	159.28 KW
Freqency:	60Hz	
Voltage:	400 V	
Engine Speed:	1800 RPM	
Fule Tank Run Time:	12hrs @ 75%	load
<b>BAUDOUIN MOTEURS</b>		
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 **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

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 6M11G4D0/S Engine Speed 1800 RPM Type In-Line, 4 cycle Number of Cylinder 6 Bore x Stroke 105 x 130 mm Displacement 6.75 L 18:01 **Compression Ratio** Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 29.9 L/h (prime) Flywheel SAE 3/11.5" Alternator Manufacturer LEROY-SOMER Model **TAL044**J Shunt Excitation **Control System** +/- 1% Voltage Regulation Insulation Class Class H IP23 Protection Rated Power Factor 0.8 Stator Winding Double Laver Lap Winding Pitch 2/3 Winding Leads 6 (12 option) Total Harmonic Distortion THD No Load < 2% In linear load THD < 5% **Total Harmonic Distortion** Maximum Overspeed 2250 R.P.M **Overall Specification** Dimensions (LxWxH) 2250 x 964 x 1520 mm Wet Weight 1133 kg 78 dB(A) @ 7m +- 3 dBA Sound Level: Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% 20L Coolant capacity Fuel Tank Capacity 239.2 litres Total oil capacity (including filters) 17 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 REFERED

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





# VGB-225 TA DIESEL GENERATOR



## GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	225 KVA	247.5 KVA
50 C	180 KW	198 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** 



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

ich 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

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 6M16G2D0/S Engine Speed 1800 RPM In-Line, 4 cycle Type Number of Cylinder 6 126 \* 130 mm Bore x Stroke Displacement 9.726 L **Compression Ratio** 17:01 Mechanical Pump Fuel System Electronic Governor Fuel Consumption at 75% load 38.5 L/h (prime) Flvwheel SAE 1 / 14 Alternator LEROY-SOMER Manufacturer Model TAL046D 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% 2250 R.P.M Maximum Overspeed **Overall Specification** Dimensions (LxWxH) 3800 x 1300x 2100 mm Wet Weight 2902 kg 78 dB(A) @ 7m +- 3 dBA Sound Level: Ambient Temperature 50 °C Altitude 0 m Relative Humidity Below 90% Coolant capacity 42 L 157 litres **Fuel Tank Capacity** Total oil capacity (including filters) 22 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 REFERED

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





# **VGB-250 TA DIESEL GENERATOR**



# GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	250 KVA	275 KVA
50 C	200 KW	220 KW
Freqency:	60Hz	
Voltage:	400 V	
Engine Speed:	1800 RPM	
Fule Tank Run Time:	12hrs @ 75%	load
<b>BAUDOUIN MOTEURS</b>		
FEATURES		

Low in fuel consumption



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

as 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

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 SPECIFICATION

Engine Manufacturer Baudouin Moteurs Engine Model 6M16G4D0/S Engine Speed 1800 RPM In-Line, 4 cycle Type Number of Cylinder 6 Bore x Stroke 126 x 130 mm Displacement 9.726 L 17:01 Compression Ratio Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 42.2 L/h (prime) Flywheel SAE 1/14" Alternator LEROY-SOMER Manufacturer TAI 046D Model Control System Shunt Excitation +/- 1% Voltage Regulation Insulation Class Class H IP23 Protection **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** 2250 x 964 x 1520 mm Dimensions (LxWxH) Wet Weight 1702 kg 78 dB(A) @ 7m +- 3 dBA Sound Level: Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 42 L 337 6 litres Fuel Tank Capacity Total oil capacity (including filters) 22 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%.



# VGB-284 TA DIESEL GENERATOR



#### GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY	
50 C	284 KVA	312.4 KVA	
50 C	227.2 KW	249.92 KW	
Freqency:	60Hz		
Voltage:	400 V		
Engine Speed:	1800 RPM		
Fule Tank Run Time:	12hrs @ 75%	load	
<b>BAUDOUIN MOTEURS</b>			

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

LEROY-SOMER 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 6M16G6D0/S Engine Speed 1800 RPM Type In-Line, 4 cycle Number of Cylinder 6 Bore x Stroke 126 x 130 mm Displacement 9.726 L **Compression Ratio** 17:01 Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 46.2 L/h (prime) SAE 1/14" Flywheel Alternator LEROY-SOMER Manufacturer Model TAL046D **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% In linear load THD < 5% Total Harmonic Distortion Maximum Overspeed 2250 R.P.M Overall Specification Dimensions (LxWxH) 2250 x 964 x 1520 mm Wet Weight 1702 kg Sound Level: 78 dB(A) @ 7m +- 3 dBA Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 42 L 369.6 litres **Fuel Tank Capacity** Total oil capacity (including filters) 22 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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# VGB-390 TA DIESEL GENERATOR



#### GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	390 KVA	429 KVA
50 C	312 KW	343.2 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

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

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 6M21G2D0/S Engine Model **Engine Speed** 1800 RPM In-Line, 4 cycle Туре Number of Cylinder 127 x 165 mm Bore x Stroke Displacement 12 54 1 **Compression Ratio** 16:01 Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 64.9 L/h (prime) Flywheel SAE 1/14" Alternator Manufacturer LEROY-SOMER TAL046H Model Control System Shunt Excitation Voltage Regulation +/- 1% Class H Insulation Class 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 (LxWxH) 2250 x 964 x 1520 mm Wet Weight 2118 kg 78 dB(A) @ 7m +- 3 dBA Sound Level: Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 45 L **Fuel Tank Capacity** 519.2 litres Total oil capacity (including filters) 30 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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# VGB-500 TA DIESEL GENERATOR



#### GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	500 KVA	550 KVA
50 C	400 KW	440 KW
Freqency:	60Hz	
Voltage:	400 V	
Engine Speed:	1800 RPM	
Fule Tank Run Time:	12hrs @ 75%	load
<b>BAUDOUIN MOTEURS</b>		
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 **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

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** 6M21G8D0/S 1800 RPM Engine Speed In-Line, 4 cycle Type Number of Cylinder 6 127 x 165 mm Bore x Stroke Displacement 12.54 L 16:01 **Compression Ratio** Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 77.8 L/h (prime) SAE 1/14" Flvwheel Alternator LEROY-SOMER Manufacturer TAL0473F Model Control System Shunt Excitation +/- 1% Voltage Regulation 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% 2250 R.P.M Maximum Overspeed **Overall Specification** Dimensions (LxWxH) 2250 x 964 x 1520 mm Wet Weight 2702 kg 78 dB(A) @ 7m +- 3 dBA Sound Level: Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 62 L **Fuel Tank Capacity** 622.4 litres Total oil capacity (including filters) 34 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  $\pm 5\%.$ 



# VGB-750 TA DIESEL GENERATOR



# GENERATOR OUTPUT

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TEMPERATURE	PRIME	STANDBY
50 C	750 KVA	825 KVA
50 C	600 KW	660 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

**Baudouin** 

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 **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

engine failure by the text LCD display.

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

#### 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 Baudouin Moteurs Manufacturer Engine Model 6M33G6D0/S 1800 RPM **Engine Speed** Type In-Line, 4 cycle Number of Cylinder 6 Bore x Stroke 150×185 mm Displacement 9.25 L **Compression Ratio** 15.01 Fuel System Mechanical Pump Governor Flectronic Fuel Consumption at 75% load 116.1 L/h (prime) SAE 1/14" Flywheel Alternator Manufacturer LEROY-SOMER Model TAL049C Control System Shunt Excitation Voltage Regulation +/- 1% Insulation Class Class H Protection IP23 **Rated Power Factor** 0.8 Double Layer Lap Stator Winding Winding Pitch 2/3 6 (12 option) Winding Leads Total Harmonic Distortion THD No Load < 2% In linear load THD < 5% Total Harmonic Distortion Maximum Overspeed 2250 R.P.M **Overall Specification** Dimensions (LxWxH) 2250 x 964 x 1520 mm Wet Weight 4324 kg Sound Level: 78 dB(A) @ 7m +- 3 dBA Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 159 I **Fuel Tank Capacity** 928.8 litres Total oil capacity (including filters) 61 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  $\pm 5\%.$ 

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# VGB-1000 TA DIESEL GENERATOR



# GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	1000 KVA	1100 KVA
50 C	800 KW	880 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 **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

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 12M26G2D0/S **Engine Speed** 1800 RPM Type In-Line, 4 cycle Number of Cylinder 12 150×150 mm Bore x Stroke Displacement 31.8 L Compression Ratio 15.7:1 Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 164 L/h (prime) SAE 1/14" Flywheel Alternator Manufacturer LEROY-SOMER Model TAI 049F **Control System** Shunt Excitation Voltage Regulation +/- 1% Insulation Class Class H IP23 Protection **Rated Power Factor** 0.8 Stator Winding Double Laver 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** 2250 x 964 x 1520 mm Dimensions (LxWxH) Wet Weight 5457 kg Sound Level: 78 dB(A) @ 7m +- 3 dBA Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 154 L **Fuel Tank Capacity** 1312 litres Total oil capacity (including filters) 109 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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# VGB-1250 TA DIESEL GENERATOR



#### GENERATOR OUTPUT

TEMPERATURE	PRIME	STANDBY
50 C	1250 KVA	1375 KVA
50 C	1000 KW	1080 KW
Freqency:	60Hz	
Voltage:	400 V	
Engine Speed:	1800 RPM	
Fule Tank Run Time:	12hrs @ 75%	load
BAUDOUIN MOTEURS		
FEATURES		

LEROY-SOMER

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** 12M33G2D0/S Engine Model Engine Speed 1800 RPM In-Line, 4 cycle Type Number of Cylinder 12 150×185 mm Bore x Stroke Displacement 392 L 15:1 **Compression Ratio** Fuel System Mechanical Pump Governor Electronic Fuel Consumption at 75% load 205.9 L/h (prime) SAE 0/18" Flywheel Alternator LEROY-SOMER Manufacturer Model TAL049E Control System Shunt Excitation +/- 1% Voltage Regulation 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 (LxWxH) 5800x 2150 x 2370 mm Wet Weight 5457 kg Sound Level: 78 dB(A) @ 7m +- 3 dBA Ambient Temperature 50 °C Altitude 0 m **Relative Humidity** Below 90% Coolant capacity 167 L **Fuel Tank Capacity** 1312 litres Total oil capacity (including filters) 155L 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 REFERED

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

