VPB830UKS



Canopied



*Image for illustration purposed only, actual product may differ.

ENGINE	ALTERNATOR	MODEL	POWER FACTOR	EMISSIONS	
Baudouin 6M33G825/5	Stamford S6L1D-C41	VPB830UKS (Canopied)	Factor Φ = 0.8	N/A	
50Hz	1500rpm	3-Phase			

RATINGS	PRIME F	POWER	STANDB	Y POWER	RATED CURRENT	FUEL CONSUMPTION
Voltage (V) 400/230	kWe 617.4	kVA 771.7	kWe 663.2	kVA 829	Amps (A) 1114	@100% load L/h 161.5

RATINGS

All three-phase generator sets are rated at 0.8 power factor.

All single-phase generator sets are rated at unity or 1.0 power factor.

PRIME OUTPUT

This rating is applicable for supplying continuous electrical power at variable load.

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 OUTPUT

This rating is applicable for supplying electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.

The above ratings are in accordance with ISO8528-1 and ISO3046-1. Standard reference conditions: 25°C, 100m A.S.L., 30% relative humidity.



ENGINE

Frequency Frequency Frequency Frequency Frequency Type A-Stroke, Diesel Fuel	Baudouin 6M	33G825/5	Units		
Performance Engine Speed c/min 1500	General	Frequency	Hz	50	
Number of cylinders / arrangement Displacement Displacement Displacement Litres 19.6 Aspiration Turbocharged Combustion system Governor type Bore / stroke Bore / stroke Bore / stroke Tist 150 x 185 Compression ratio Engine power (gross) Rotation Rotation Rotation Fuel consumption at 10% prime power Standard fuel tank capacity Fuel consumption at 50% prime power Standard fuel tank capacity Air inlet System Pilpe App - Common Rail Fuel system Duplex fuel filter Oil Maximum sump capacity System Water cooled Anti-clockwise viewed on flywheel Litres/hour 161.5 Litres/hour 161.5 Litres/hour 164.4 Litres/hour 165.5 Litres/hour 166.5 Litres/hour 166.4 Litres/hour 166.5 Litres/hour 166.5 Litres/hour 166.4 Litres/hour 166.5 Litres/hour 166.5 Litres/hour 166.5 Litres/hour 166.4 Litres/hour 166.5 Litres/hour 166.4 Litres/hour 166.5 Litr		Туре		4-Stroke, Diesel Fuel	
Displacement Litres 19.6 Aspiration Turbocharged Combustion system Direct injection Governor type Electronic Bore / stroke mm 150 x 185 Compression ratio 15:1 Engine power (gross) LW Prime: 659 Standby: 725 Cooling system Anti-clockwise viewed on flywheel Fuel consumption at 110% prime power Litres/hour 161.5 Fuel consumption at 50% prime power Litres/hour 161.5 Fuel consumption at 50% prime power Litres/hour 164.4 Fuel consumption at 50% prime power Litres/hour 164.4 Fuel consumption at 50% prime power Litres/hour 164.5 Fuel and fuel tank capacity Litres Mounted air filter Standard fuel tank capacity Litres Dry Fuel and fuel system P Type Pump - Common Rail YES Oil		Engine Speed	r/min	1500	
Aspiration Turbocharged Combustion system Combustion system Governor type Bore / stroke Bore / strok		Number of cylinders / arrangement		6 cyl / In-line	
Combustion system Governor type Bore / stroke Bore / strok		Displacement	Litres	19.6	
Governor type Bore / stroke Bo		Aspiration		Turbocharged	
Bore / stroke Compression ratio 15:1 Engine power (gross) Cooling system Rotation Fuel system Fuel consumption at 110% prime power Fuel consumption at 100% prime power Fuel consumption at 75% prime power Fuel consumption at 55% prime power Litres/hour Fuel consumption at 55% prime power Litres/hour Litres/hour Litres/hour 116.4 Fuel consumption at 55% prime power Litres/hour Fuel consumption at 55% prime power Litres/hour Litres/hour 116.4 Air Fuel consumption at 55% prime power Litres/hour Air filet Fuel and fuel tank capacity Litres Air filter type Dry Fuel and fuel system Duplex fuel filter Oil system Assimum sump capacity Litres Mounted air filter YES Oil yes fuel filter Oil system capacity Litres Mounted air filter YES Cooling system Duplex fuel filter Uitres N/A We sump with filler and dipstick Full-flow spin-on oil filters Total system capacity - With radiator With radiator Without radiator Litres N/A Thermostat operation range 'C Up to 50°C Maximum top tank temperature 'C N/A Electric system Battery Battery charger Included Options		Combustion system		Direct injection	
Compression ratio Engine power (gross) Rotation Rotation Fuel system Fuel consumption at 110% prime power Fuel consumption at 100% prime power Fuel consumption at 55% prime power Fuel consumption at 55% prime power Litres/hour Fuel consumption at 50% prime power Litres 1120 Air System Air inlet Air linet Mounted air filter System Air filter type Dry Fuel and fuel system Duplex fuel filter P Type Pump - Common Rail YES Oil System Maximum sump capacity Litres Mova Me sump with filler and dipstick Full-flow spin-on oil filters YES Cooling System Vith radiator Litres Mova Total system capacity Litres N/A We sump with filler and dipstick Full-flow spin-on oil filters YES Cooling System With radiator Litres N/A Thermostat operation range Maximum top tank temperature Cooling System Battery Battery Available Options Battery Charger Included Included		Governor type		Electronic	
Engine power (gross) Cooling system Rotation Rotation Rotation Fuel System Fuel consumption at 110% prime power Fuel consumption at 110% prime power Fuel consumption at 100% prime power Fuel consumption at 75% prime power Fuel consumption at 55% prime power Litres/hour Fuel consumption at 50% prime power Litres/hour Total of Iter type Dry Fuel and fuel tank capacity Litres Air filter type Dry Fuel and fuel system Duplex fuel filter P Type Pump - Common Rail YES Oil System Maximum sump capacity Litres N/A We sump with filler and dipstick Full-flow spin-on oil filters YES Cooling System With radiator With radiator Litres N/A Thermostat operation range Maximum top tank temperature Cooling System Battery Battery Battery Battery Maintenance-free Included Included		Bore / stroke	mm	150 x 185	
Cooling system Rotation Anti-clockwise viewed on flywheel		Compression ratio		15:1	
Rotation Anti-clockwise viewed on flywheel Fuel System Fuel consumption at 110% prime power Litres/hour 182.7 Fuel consumption at 100% prime power Litres/hour 161.5 Fuel consumption at 75% prime power Litres/hour 116.4 Fuel consumption at 50% prime power Litres/hour 76.9 Standard fuel tank capacity Litres 1120 Air System Air filter type Dry Dry Fuel and fuel system Duplex fuel filter Oil System Maximum sump capacity Litres 64 We sump with filler and dipstick YES Full-flow spin-on oil filters YES Cooling System With radiator Litres 9,4 With radiator Litres N/A Thermostat operation range °C Up to 50°C Maximum to tank temperature °C N/A Electric System Battery Maintenance-free Available options Fuel consumption at 110% prime power Litres Included Litres Included Litres N/A Anti-clockwise viewed on flywheel Litres/hour 161.5 162.7 163.7 164.4 165.9 Mounted air filter Mounted air filter YES 64 Litres 64 Litres N/A YES Cooling 164 VES Total system capacity Litres 9,4 Litres 9,4 Litres 9,4 Litres 9,4 Litres N/A Thermostat operation range °C Up to 50°C Maximum top tank temperature °C N/A Electric System Battery Maintenance-free Included Available options Engine water heater		Engine power (gross)	kW	Prime: 659 Standby: 725	
Fuel system Fuel consumption at 110% prime power System Fuel consumption at 100% prime power Fuel consumption at 75% prime power Fuel consumption at 55% prime power Litres/hour Fuel consumption at 10% prime power Fuel cons		Cooling system		Water cooled	
Fuel consumption at 100% prime power Litres/hour 161.5 Fuel consumption at 75% prime power Litres/hour 116.4 Fuel consumption at 55% prime power Litres/hour 76.9 Standard fuel tank capacity Litres 1120 Air Air inlet Mounted air filter Mounted air filter System Air filter type Dry Fuel and fuel system Duplex fuel filter YES Oil System Maximum sump capacity Litres 64 System Maximum sump capacity Litres N/A We sump with filler and dipstick YES Full-flow spin-on oil filters YES Cooling System • With radiator Litres 94 • Without radiator Litres N/A Thermostat operation range °C Up to 50°C Maximum top tank temperature °C N/A Electric System Battery Maintenance-free Available options Fuel consumption at 100% prime power Litres/hour 161.5 Litres/hour 161.5 Litres 94 Up to 50°C Maximum top tank temperature °C N/A Maintenance-free Included Included		Rotation		Anti-clockwise viewed on flywheel	
Fuel consumption at 100% prime power Fuel consumption at 75% prime power Fuel consumption at 50% prime power Elitres/hour Fuel consumption at 50% prime power Elitres/hour Fuel consumption at 50% prime power Elitres/hour Air public dank capacity Elitres Mounted air filter Prys Full-flow spin-on oil filters Prys Full-flow spin-o	Fuel	Fuel consumption at 110% prime power	Litres/hour	182.7	
Fuel consumption at 50% prime power Standard fuel tank capacity Litres 1120 Air Air Air inlet Air inlet Fuel and fuel system Duplex fuel filter Oil system Maximum sump capacity Litres Mounted air filter YES Fuel and fuel system Duplex fuel filter VES Total oil system capacity Litres Aximum sump capacity Litres N/A We sump with filler and dipstick Full-flow spin-on oil filters Total system capacity With radiator With radiator Litres N/A Thermostat operation range Maximum top tank temperature Colling System Available Options Battery Battery Battery charger Included Included		Fuel consumption at 100% prime power	Litres/hour	161.5	
Air Air Inlet Mounted air filter System Air filter type Dry Fuel and fuel system Duplex fuel filter YES Oil System Maximum sump capacity Litres N/A We sump with filler and dipstick YES Full-flow spin-on oil filters YES Cooling System • With radiator Litres N/A Thermostat operation range °C Up to 50°C Maximum top tank temperature °C N/A Electric System Battery Maintenance-free Available options Air filler Air filler Air filter Mounted air filter Air filter Mounted air filter Mounted air filter Mounted air filter Air filter Mounted		Fuel consumption at 75% prime power	Litres/hour	116.4	
Air Air inlet Mounted air filter system Air filter type Dry Fuel and fuel system Duplex fuel filter YES Oil System Maximum sump capacity Litres 64 We sump with filler and dipstick YES Full-flow spin-on oil filters YES Cooling System • With radiator Litres 94 • Without radiator Litres N/A Thermostat operation range °C Up to 50°C Maximum top tank temperature °C N/A Electric System Battery Maintenance-free Available options Battery Lincluded Battery Charger Included		Fuel consumption at 50% prime power	Litres/hour	76.9	
Fuel and fuel system Dry Fuel and fuel system Duplex fuel filter Dil Total oil system capacity Maximum sump capacity Litres Full-flow spin-on oil filters Total system capacity Litres Full-flow spin-on oil filters Total system capacity Litres Full-flow spin-on oil filters Total system capacity With radiator With radiator Litres N/A Thermostat operation range Maximum top tank temperature Colling System Battery Battery Battery Maintenance-free Included Included		Standard fuel tank capacity	Litres	1120	
Fuel and fuel system Duplex fuel filter Duplex fuel filter Total oil system capacity Maximum sump capacity Litres Full-flow spin-on oil filters Total system capacity Full-flow spin-on oil filters Total system capacity Litres Full-flow spin-on oil filters Total system capacity With radiator Without radiator Litres N/A Thermostat operation range Company of the system capacity Full-flow spin-on oil filters Total system capacity Without radiator Litres N/A Thermostat operation range Company of the system of	Air	Air inlet		Mounted air filter	
fuel system Duplex fuel filter YES Oil system Total oil system capacity Litres 64 Maximum sump capacity Litres N/A We sump with filler and dipstick YES Full-flow spin-on oil filters YES Total system capacity VES • With radiator Litres 94 • Without radiator Litres N/A Thermostat operation range °C Up to 50°C Maximum top tank temperature °C N/A Electric system Battery Maintenance-free Available options Engine water heater Included	system	Air filter type		Dry	
Oil System Aximum sump capacity Litres 64 We sump with filler and dipstick YES Full-flow spin-on oil filters YES Cooling System • With radiator Litres N/A Thermostat operation range °C Up to 50°C Maximum top tank temperature °C N/A Electric System Battery Maintenance-free Available options Engine water heater	Fuel and	P Type Pump - Common Rail		YES	
Maximum sump capacity Litres N/A	fuel system	Duplex fuel filter		YES	
Maximum sump capacity Litres N/A	Oil	Total oil system capacity	Litres	64	
Full-flow spin-on oil filters Cooling system • With radiator • Without radiator • Without radiator Thermostat operation range Maximum top tank temperature Electric system Battery Battery Battery Battery Battery Full-flow spin-on oil filters YES YES Outpuble 94 Litres N/A Up to 50°C N/A Electric system PUDC 12 Maintenance-free Battery Maintenance-free Included Included		Maximum sump capacity	Litres	N/A	
Cooling system • With radiator • Without radiator • Without radiator • C • Up to 50°C Maximum top tank temperature • C • N/A Electric system Battery Ba		We sump with filler and dipstick		YES	
Cooling system • With radiator • Without radiator • Without radiator • Without radiator • C • C • Up to 50°C Maximum top tank temperature • C • N/A Electric system • Battery Battery Battery Battery Battery Battery charger Included Included		Full-flow spin-on oil filters		YES	
System • With radiator • Without radiator • Without radiator • Without radiator • Without radiator • Litres • N/A Thermostat operation range • °C • Up to 50°C Maximum top tank temperature • °C • N/A Electric system • Battery • WDC • 12 Maintenance-free Available options • Battery charger • Included • Included	Cooling	Total system capacity			
Thermostat operation range Maximum top tank temperature C N/A Electric system Battery Battery Battery charger Engine water heater C Up to 50°C N/A VDC 12 Maintenance-free Included Included		With radiator	Litres	94	
Maximum top tank temperature © N/A Electric System Battery Battery Battery charger Available options Electric System Battery charger Engine water heater Included		Without radiator	Litres	N/A	
Electric System Battery Maintenance-free Available options Engine water heater VDC 12 Battery Maintenance-free Included Included		Thermostat operation range	°C	Up to 50°C	
System Battery Maintenance-free Available options Engine water heater Included		Maximum top tank temperature	°C	N/A	
System Battery Maintenance-free Available options Battery charger Included Engine water heater Included	Electric	Electrical system voltage	VDC	12	
Available options Engine water heater Included		Battery		Maintenance-free	
options Engine water heater Included	Available	Battery charger		Included	
Battery isolator switch Optional		Engine water heater		Included	
		Battery isolator switch		Optional	



ALTERNATOR

Stamford S6L1D-C41

		Units	
General	Manufacturer / brand		Stamford
data	Model		S6L1D-C41
	Coupling / number of bearings		Flexible Disc / Single Bearing
	Phase / poles		3-Phase / 4-Pole
	Power factor		Cos Φ = 0.8
	AVR regulation		YES
	Voltage regulation		±1 %
	Insulation class		Н
	Drip proof		IP23
	Excitation		AVR, Brushless
	Altitude	m	≤1000
	Overspeed	min -1	2250

DSE CONTROLLER SUMMARY

Deepsea (DSE) Controller

Controller model / Deepsea DSE	DSE4520 (Optional)	DSE6120 (Optional)	DSE7320 Included	DSE8610 (Optional)
Controller photos		**************************************		÷ • • • • •
Standard supply	0	0	•	0
Viewable parameters				
Phase voltage	X	3	3	3
Current	Instrumentation	•	•	•
Frequency	•	•	•	•
Active power	0	•	•	•
Reactive power	0	•	•	•
Apparent power	X	•	•	•
Power factor	0	•	•	•
Generator protection				
Abnormal voltage	•	•	•	•
Overcurrent warning	0	•	•	•
Overcurrent protection	•	•	•	•
Over frequency protection	•	•	•	•



DSE CONTROLLER SUMMARY

Deepsea (DSE) Controller

Controller model / Deepsea DSE	DSE4520 (Optional)	DSE6120 (Optional)	DSE7310/20 (Optional)	DSE8610/20 (Optional)
Controller photos		*	*	**********
Engine figure				
Oil pressure	•	•	•	•
Coolant temperature	•	•	•	•
Fuel meter / fuel sensor	• / o	•/•	•/0	•/•
Speed	•	•	•	•
Battery voltage	•	•	•	•
Elapsed time	•	•	•	•
Engine protection				
Low oil pressure warning	X	•	•	•
Low oil pressure protection	•	•	•	•
High temperature warning	0	•	•	•
High temperature protection	•	•	•	•
Overspeed warning	X	•	•	•
Overspeed protection	0	•	•	•
Alternator charger	•	•	•	•
Functions				
Remote start	•	•	•	•
AMF (Auto Main Failure)	•	•	•	•
Programmable input	•	•	•	•
Programmable output	•	•	•	•

REMARK: ● Standard supply • Available as optional • X Not available



ENCLOSURE / CANOPY

Sound-attenuated or open option



"Ensures a quieter life with our sound attenuation system"

FEATURE

Extremely rugged and highly corrosion resistant construction

Compatible with 2000/14/EC directives, certified noise emission level

2 or 4 point lifting for transport according to cabin size with certain models also including fork pockets

Hidden exhaust inside the canopy with weather flap to the exterior

Emergency stop button located on the canopy

Improved air suction channel to ensure homogenous cooling in the canopy

Filler Lid on top of canopy for radiator and antifreeze top up

Power coated paint system protecting against corrosion and rust

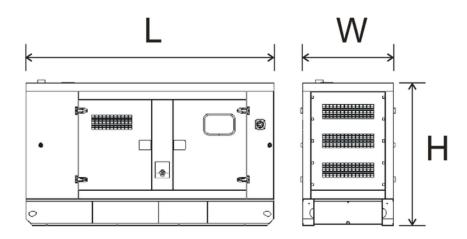
Improved sound insulation performance

Demounted parts for easier transportation and maintenance



OVERALL DIMENSIONS, WEIGHT & NOISE

Frame type	Dimensions	Weight	Base tank @ 100% load		Noise level
	(L x W x H) mm	kg	Hours	Litres	dBA(A) at 7m @ 75% load
Canopied	2164 x 4908 x 2658	7222	7	1120	72.1



GFE AUTOMATIC TRANSFER SWITCH

A.T.S - 4 Poles

We offer as an optional accessory, not only a changeover switch but also an integrated mains detection and switch system for your 24 hour power protection. The system enables automatic start-up and operation of the generating set in the event of a mains power failure, overvoltage or loss of a mains automatic retransfer once it comes back.

Automatically transfer and re-transfer load from main power to gen-power without operator intervention (both automatic and manual) ATS Controller (AMF function) Available from 32 - 4000A Available in standard, bypass isolation and service-entrance configurations Configurable in open, closed and programmed transition operating modes Designed to interface seamlessly with all AMF generators and switchgear Drip proof IP42 enclosure Easy installation: wall-mounted and floor standing



WARRANTY COVERAGE

Generators used with commercial utility source: From One (1) to Two (2) years. Please see GFE Warranty Terms and Conditions of sale.