

C2500

OUTPUT RATING 60 Hz, 3 Phase

Standby	Prime	Voltages
2000 kW 2500 kVA	1825 kW 2281 kVA	440/254, 480/277
0.8 Pf		6 lead

GENERAL SPECIFICATIONS

Engine	Alternator	Control Panel
	STAMFORD	ComAp <small>The heart of smart control</small>
QSK60-G7 (UK)	S7L1D-G W/ PMG	IG1000
16 Cyl. 60° Vee	3 Phase	Auto Start
60.2 Ltr.	6 Lead	7 inputs/7 outputs
ECU	4 pole, 1 Bearing	3 analog inputs
Turbo/Aftercooled	VITA 05 AVR	RS232 Interface



Weights & Dimensions

	Open	Silent
Length (L)mm	5760	12192
Width (W)mm	2280	2438
Height (H)mm	2548	2896
Net Weight kg	14500	26500

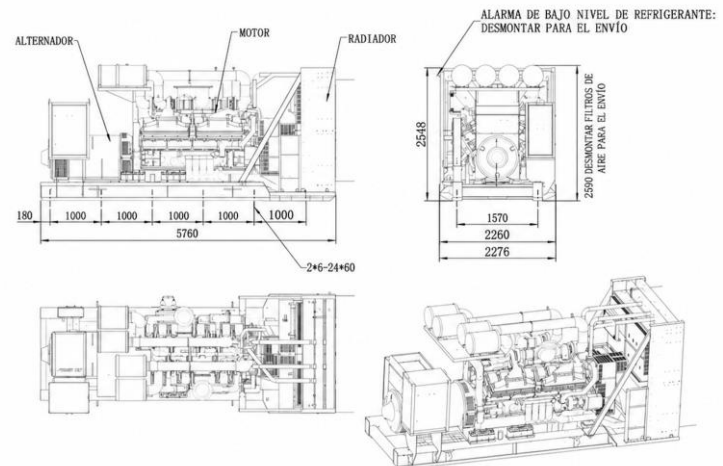
Fuel Consumption /hr	Liters	Gallons
100% Standby Power	520,0	137,4
100% Prime Power	471,0	124,4
75% Prime Power	360,0	95,1
50% Prime Power	254,0	67,1
Fuel Tank Capacity, Open Unit	N/A	N/A
Fuel Tank Capacity, Canopy Unit	1400	369,88

Standby Rating:

According to ISO 8528-1:2005, standby power is the maximum power available during variable electrical power sequence, under the stated operational conditions for which a generating set is capable of delivering in the event of a utility power outage for up to 200 hrs. per year while meeting manufacturers recommended operation and maintenance requirements. The permissible average power output over a 24 hr. period shall not exceed 70% of this rating.

Prime Rating:

According to ISO 8528-1:2005, prime power is the maximum power which a generating set is capable of delivering continuously while supplying a variable electrical load when operated for an unlimited number of hours per year while meeting manufacturers recommended operation and maintenance requirements. The permissible average output (Ppp) over a 24 hr. period shall not exceed 70% of this rating.



Blue Power gensets are compliant with EC mark which include the following directives:

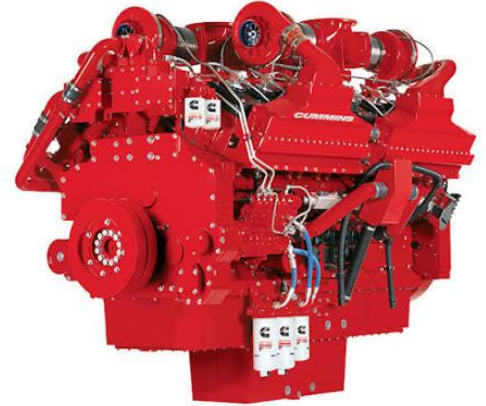
* 2006/42/EC Machinery Safety.

* 2006/95/EC Low Voltage.

* EN 60204-1 2006+A1:2009, EN ISO 12100: 2010, EN ISO 13849-1: EN 12601: 2010

Engine Specifications

Engine Model	QSK60-G7
Engine Type	16 Cyl. Vee, 4-stroke diesel
Bore x Stroke (mm)	159 x 190 mm
Displacement (L)	60,2 L
Engine H.P. at 100% Standby Power	2922
Compression Ratio	14,5:1
Aspiration Type	Turbo/Aftercooled
Intake Air Flow (Ltr/sec.)	2860
Injection Type	ELECTRÓNICA MEDIANTE ECM
Governor Type	Electronic
Coolant Capacity Eng.	530 L
Oil Pan Capacity	280 L
Electrical System Voltage	24vdc
Max Exhaust Back Pressure	6.8 kPa
Exhaust Gas Flow (Ltr/sec.)	6650
Exhaust Gas Temp.	455 C°



A.C. Alternator Data

Leroy Somer Model	S7L1D-G	Standard AVR Model	VITA 05 — Digital
Winding Type	6 Lead, 3 Phase	Excitation Type	PMG
Power Factor	0,8	Voltage Regulation	±0.25%
Insulation Class	H	Max. Overspeed	2250 rpm - 2 minutes
Winding Pitch	2/3	THF	<2%
Ingress Protection	IP23	TIF	60Hz

Alternator Performance Data	60 Hz	
Voltage Series Star (WYE)	440/254	480/277
Voltage Delta		

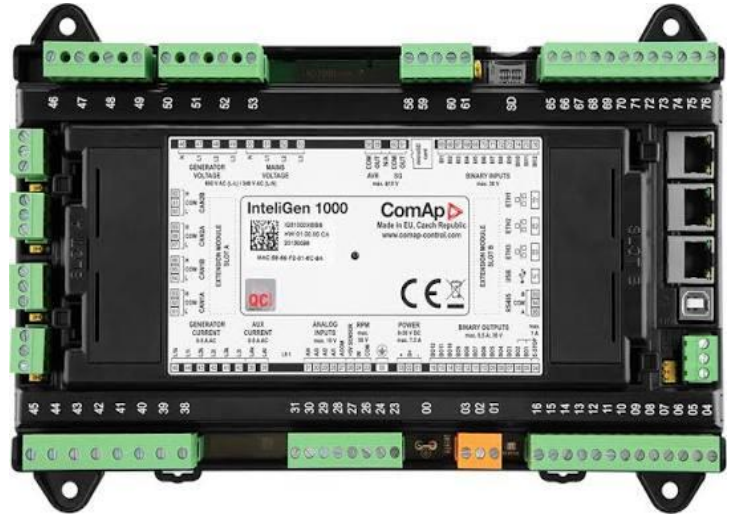
*Base Rating is for Standby - 163/27°C Rise/Amb.

** 0.6 Pf at 28% volt Dip.

Leroy Somer complies with international standards and regulations: IEC 60034 and derivative, they are designed, manufactured and marketed in ISO 9001 & 14001 environment and can be integrated into a CE market generator set.

Product Description

- ▶ Single gen-set controller for standby and prime applications
- ▶ Direct Communications with EFI engines
- ▶ All-in-one intuitive & powerful PC tool for configuration/monitoring/control, locally or remotely



Key Features

- ▶ Standby and Prime power application in one unit
- ▶ 5 languages in the controller and translator functionality
- ▶ 3 levels of password security
- ▶ 3 sets of alternative configurations
- ▶ Magnetic pick-up input
- ▶ ECU support and TIER4 Final ready
- ▶ Plug-in Module concept for more capabilities (Modbus, Internet, SMS, inputs/outputs)
- ▶ 1 slot for Plug-in modules
- ▶ Power over USB for controller adjustments
- ▶ Adjustable D+ threshold
- ▶ Ventilation pulse
- ▶ Flexible Choke
- ▶ Fuel pump control
- ▶ 3 analog inputs, 6+1 binary inputs, 6 binary outputs
- ▶ 2 higher current binary outputs
- ▶ Adjustable delay for binary inputs
- ▶ Alarms and gen-set status assignable to binary outputs
- ▶ Run hours source ECU or internal
- ▶ Real time clock
- ▶ Multi purpose scheduler functionality
- ▶ 3 maintenance timers
- ▶ Detailed history log with up to 150 records
- ▶ Zero power mode
- ▶ Possibility to disable protections
- ▶ Modbus register mapping possibility
- ▶ Start on Low Battery (only for native prime power configuration)
- ▶ Cutout dimensions: 172mm x 112mm (same as Intellilite NT family)



ComAp IntelliLite Control Panels meet the following certificates and standards:

- EN61000-6-2
- EN61000-6-4
- EN61010-1
- EN61000-2-1 (-20°C/16h for std version)
- EN6100-2-2 (70°C/16h)
- EN61000-2-6 (2÷25Hz/ ±1,6mm; 25÷100 Hz/4,0 g)
- EN61000-2-27 (a=500 m/s²; T=6 ms)
- EN61000-2-30
- EN60529 (front panel IP65, back side IP20)