

C1563

OUTPUT RATING

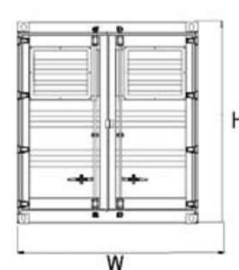
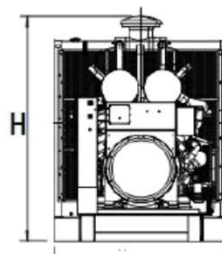
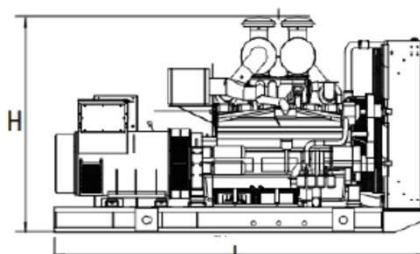
Standby	Prime	Voltages
1250 kW	1120 kW	380/220, 416/240
1563 kVA	1400 kVA	440/254, 480/277
0.8 Pf		6 Lead Series Connection

GENERAL SPECIFICATIONS

Engine	Alternator	Control Panel
		
KTA50-G3 (US)	LSA50.2 M6	InteliLite IL-9
12 cyl. V 60°	3 Phase	Auto Start
Turbo/Aftercooled	6 Lead	7 inputs/6 outputs
Elect Speed Gov.	4 pole, 1 Bearing	3 analog inputs
24vdc	R450 AVR	Remote Monitor

Weights & Dimensions

	Open	Silent
Length (L)	5420mm	12192mm
Width (W)	2140mm	2438mm
Height (H)	2400mm	2896mm
Net Weight	10450kg	17500kg



Fuel Consumption /hr

	Liters	Gallons
100% Standby Power	330	87.1
100% Prime Power	310	81.8
75% Prime Power	291	76.8
50% Prime Power	222	58.6
Fuel Tank Capacity	N/A	N/A

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	KTA50-G3 (US)
Engine Type	16 Cyl. 60° Vee
Bore x Stroke (mm)	159x159
Displacement (L)	50.3 L
Engine H.P. at 100% Standby Power	1850
Compression Ratio	13.9:1
Aspiration Type	Turbo/Aftercooled
Intake Air Flow (Ltr/sec.)	1840
Injection Type	Mechanical/Direct
Governor Type	Electronic
Coolant Capacity Eng.	161 L
Oil Pan Capacity	121 L
Electrical System Voltage	24vdc
Max Exhaust Back Pressure	10 kPa
Exhaust Gas Flow (Ltr/sec.)	4295
Exhaust Gas Temp.	475 C°



A.C. Alternator Data

Stamford Model	LSA50.2 M6	Standard AVR Model	R450
Bearings	1	Excitation Type	AREP
Power Factor	0.8	Voltage Regulation	±1%
Insulation Class	H	Max. Overspeed	2250 rpm
Winding Pitch	2/3	THF Interference	<2%
Ingress Protection	IP23	TIF Interference	<50

Alternator Performance Data		60 Hz			
Voltage Series Star (WYE) Voltage Delta		380	416	440	480
		220	240		
kVA Base Rating @150/40 Rise/Amb.		1350	1475	1530	1640
Locked Rotor Motor Starting kVA*		2375			

*With AREP excitation at 20% voltage dip

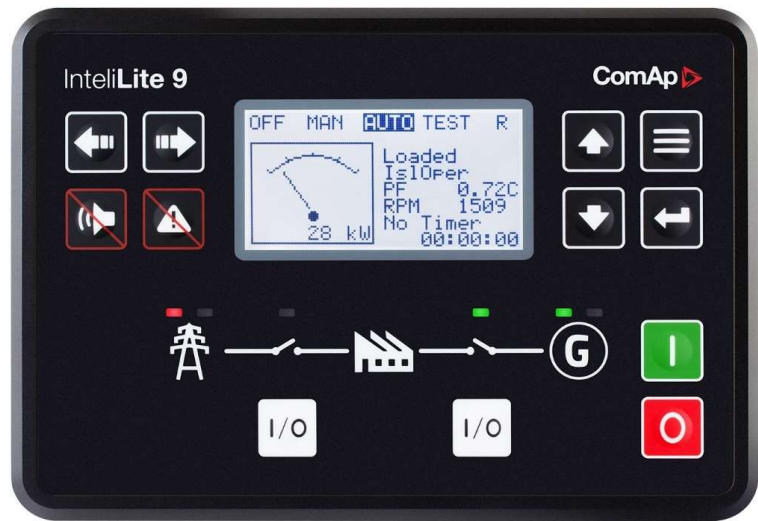
Stamford Li
0530, NEM

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.

Benefits

- ▶ 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

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 AMF 20 Control Panel meets 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)

