




C850

OUTPUT RATING 60 Hz, 3 Phase

Standby	Prime	Voltages
680 kW	620 kW	380/220, 416/240
850 kVA	775 kVA	440/254, 480/277
0.8 Pf		12 lead re-connection

GENERAL SPECIFICATIONS

Engine	Alternator	Control
		
KT38G	TAL-A49-B1	IntelliGen
12 Cyl. 60° Vee	3 Phase	Auto
37.8 Ltr.	12 Lead	7 inputs/outputs
Elect. Speed Gov.	4 pole, 1 Bearing	3 analog
Turbo/Aftercooled	R180 AVR	Remote

Weights & Dimensions

	Open	20' ISO Container
Length (L)mm	4405	6000
Width (W)mm	1870	2440
Height (H)mm	2145	2590
Net Weight kg	6869	11500



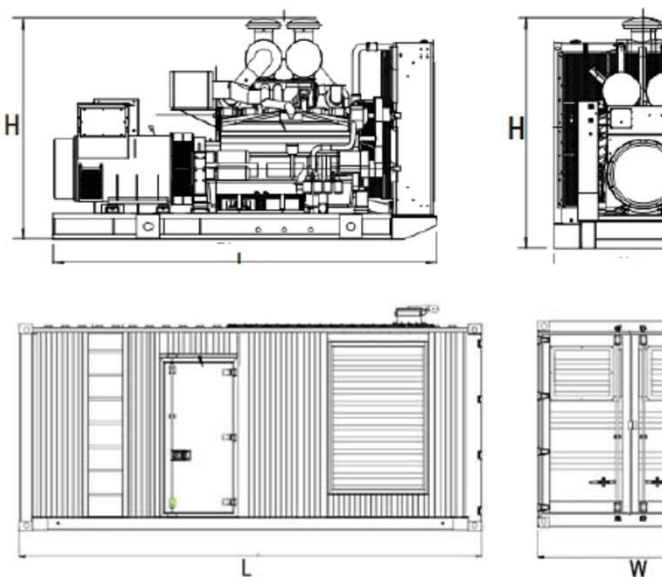
Fuel Consumption /hr	Liters	Gallons
100% Standby Power	173.0	45.7
100% Prime Power	154.0	40.7
75% Prime Power	118.0	31.2
50% Prime Power	84.0	22.2
Fuel Tank Capacity, Open Unit		
Fuel Tank Capacity, 20' ISO		

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	KT38G
Engine Type	12 Cyl. 60° Vee
Bore x Stroke (mm)	159x159
Displacement (L)	37.8 L
Engine H.P. at 100% Standby Power	1000
Compression Ratio	15.5:1
Aspiration Type	Turbo/Aftercooled
Intake Air Flow (Ltr/sec.)	991
Injection Type	Cummins PT/Direct
Governor Type	Electronic
Coolant Capacity Eng.	111 L
Oil Pan Capacity	135 L
Electrical System Voltage	24vdc
Max Exhaust Back Pressure	10 kPa
Exhaust Gas Flow (Ltr/sec.)	276
Exhaust Gas Temp.	529 C°



A.C. Alternator Data

Leroy Somer Model	TAL A49-B1	Standard AVR Model	R180
Winding Type	12 Lead, 3 Phase	Excitation Type	AREP
Power Factor	0.8	Voltage Regulation	±1.0%
Insulation Class	H	Max. Overspeed	2250 rpm
Winding Pitch	2/3	THF	<2%
Ingress Protection	IP23	TIF	<50

Alternator Performance Data		60 Hz			
Voltage Series Star (WYE)		380	416	440	480
	Voltage Delta	220	240	254	277
kVA Base Rating at 0.8 Pf		800	875	925	1005

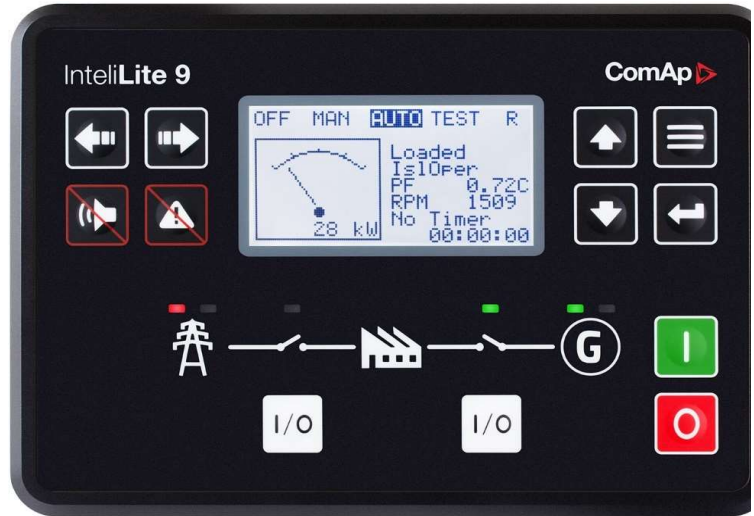
Base Rating is for Standby - 163/27°C @0.8 Pf

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)



240
277
ctable

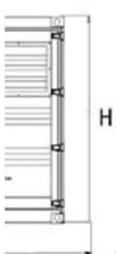
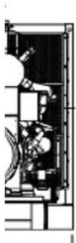
I Panel



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Start
6 outputs
g inputs
Monitor



ontainer
58
38
91
500



ctives:







