

Standby	Prime	Voltages	Freq.	PF	Alternator Leads
150KW/188KVA	136KW/170KVA	220/127, 208/120, 440/254, 480/277	60Hz	0.8	12 lead re-connectable



GENERAL SPECIFICATIONS

Engine	Alternator	Control Panel
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6BTA5.9G12	TAL-A44-K	InteliLite IL-9
6 cyl in Line	3 Phase	Auto Start
5.9 Ltr.	12 Lead	7 inputs/6 outputs
Elect. Speed Gov.	4 pole, 1 Bearing	3 analog inputs
Turbo/Chrg Air Cool	R120 AVR	High Reliability

Weights & Dimensions

	Open	Silent
Length (L)mm	2300	3600
Width (W)mm	1022	1165
Height (H)mm	1595	1950
Net Weight kg	1270	2070

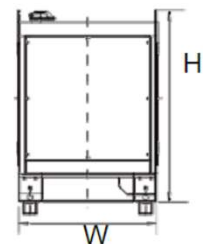
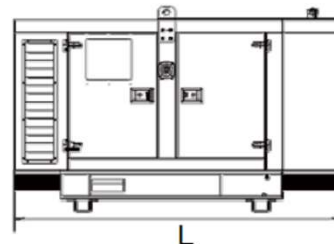
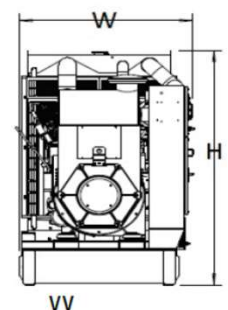
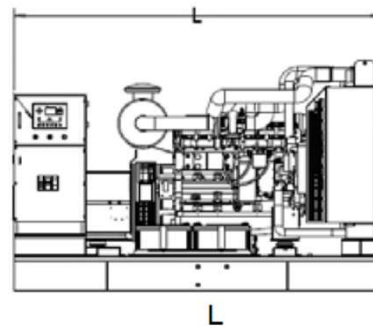
Fuel Consumption /hr	Liters	Gallons
100% Standby Power	49.0	12.9
100% Prime Power	44.0	11.6
75% Prime Power	33.0	8.7
50% Prime Power	23.0	6.1
Fuel Tank Capacity, Open Unit	270	71.3
Fuel Tank Capacity, Canopy Unit	330	87.1

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	6BTAA5.9G12
Engine Type	6 Cyl. In-Line
Bore x Stroke (mm)	102x120
Displacement (L)	5.9L
Engine H.P. at 100% Standby Power	220
Compression Ratio	17.3:1
Aspiration Type	Turbo/Aftercooled
Intake Air Flow (Ltr/sec.)	196
Injection Type	Mechanical/Direct
Governor Type	Electronic
Coolant Capacity Eng.	10L
Oil Pan Capacity	16.4L
Electrical System Voltage	24vdc
Max Exhaust Back Pressure	10 kPa
Exhaust Gas Flow (Ltr/sec.)	438
Exhaust Gas Temp.	458 C°



A.C. Alternator Data

Leroy Somer Model	TAL-A44-K	Standard AVR Model	R120
Winding Type	12 Lead, 3 Phase	Excitation Type	Shunt
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	177	194	204	224
Locked Rotor Motor Starting kVA*				400

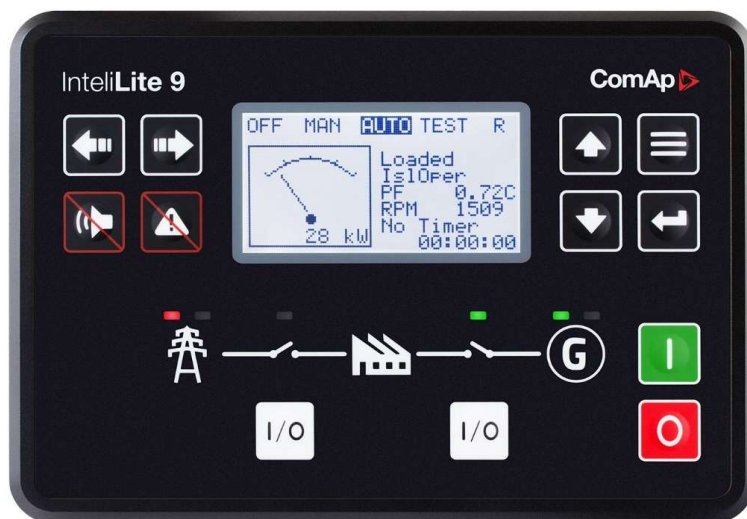
*Base Ratings are for Standby - 163°/27°C Rise/Amb.

**at 30% voltage dip, 0.6 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

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| <ul style="list-style-type: none"> ▶ 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 | <ul style="list-style-type: none"> ▶ 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) |
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ComAp IntelliLite AMF 20 Control Panel meets the following certificates and standards:

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| <ul style="list-style-type: none"> • EN61000-6-2 • EN61000-6-4 • EN61010-1 • EN61000-2-1 (-20°C/16h for std version) • EN6100-2-2 (70°C/16h) | <ul style="list-style-type: none"> • 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) |
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