

P169

OUTPUT RATING 60 Hz, 3 Phase

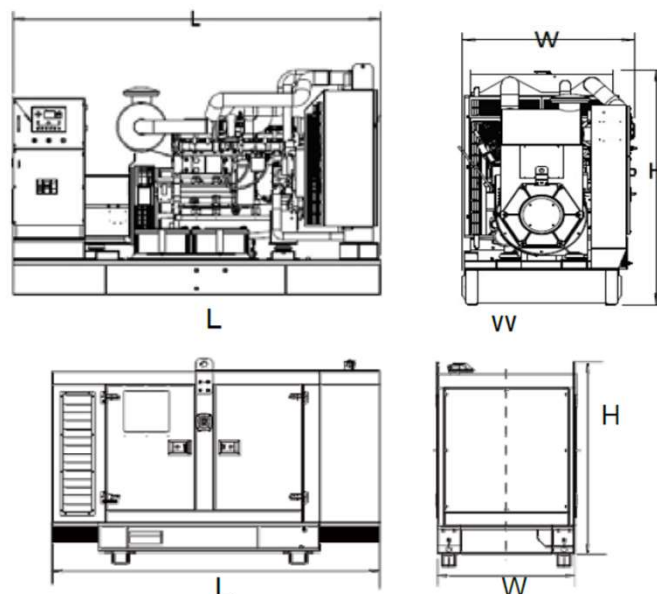
Standby	Prime	Voltages
135 kW	122 kW	208/120, 220/127
169 kVA	152 kVA	440/254, 480/277
0.8 Pf		12 lead re-connectable

GENERAL SPECIFICATIONS

Engine	Alternator	Control Panel
 Perkins	 LEROY SOMER	 ComAp The heart of smart control
1106A-70TG1	TAL-A44-H	InteliLite IL-9
6 cyl in Line	3 Phase	Auto Start
7.0 Ltr.	12 Lead	7 inputs/6 outputs
Electronic	4 pole, 1 Bearing	3 analog inputs
Turbocharged	R120	Remote Monitor

Weights & Dimensions

	Open	Silent
Length (L)mm	2320	3400
Width (W)mm	1010	1136
Height (H)mm	1600	1795
Net Weight kg	1700	2083



Fuel Consumption /hr

Liters Gallons

100% Standby Power	38.8	10.2
100% Prime Power	35.2	9.3
75% Prime Power	26.5	7.0
50% Prime Power	18.0	4.8

Fuel Tank Capacity, Open Unit **350** **92.4**

Fuel Tank Capacity, Canopy Unit **220** **58.1**

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	1106A-70TG1
Engine Type	6 Cyl. In-Line
Bore x Stroke (mm)	105x135
Displacement (L)	7.0 L
Engine H.P. at 100% Standby Power	208
Compression Ratio	18.2:1
Aspiration Type	Turbocharged
Intake Air Flow, m ³ /min (cfm)	11.5 (405)
Injection Type	Mechanical/Direct
Governor Type	Electronic
Total Coolant Capacity	21 L
Oil Capacity	18 L
Electrical System Voltage	12vdc
Max Exhaust Back Pressure	15 kPa
Exhaust Gas Flow, m ³ /min (cfm)	29.7 (1050)
Exhaust Gas Temp.	526 C°



A.C. Alternator Data

Leroy Somer Model	TAL-A44-H	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	143	157	165	182
Locked Rotor Motor Starting kVA*				425

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

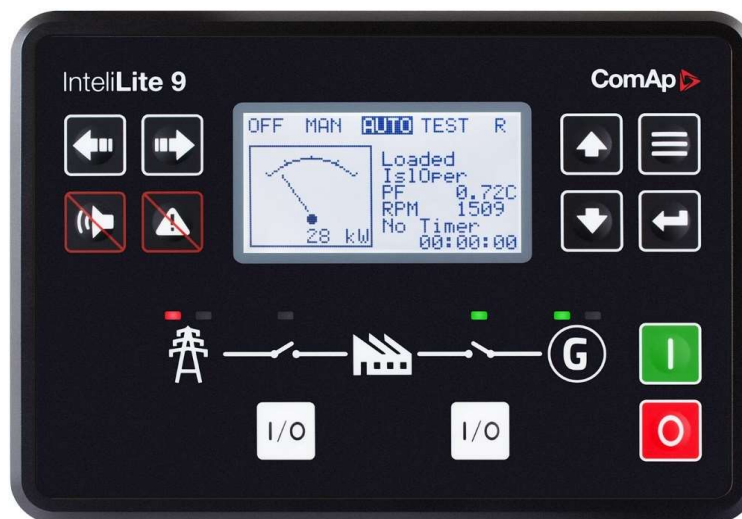
*at 30% voltage dip & 0.6 Pf

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



- ▶ 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)

