C55

OUTPUT RATING 60 Hz, 3 Phase

Standby	Prime	Voltages
44 kW	40 kW	208/120, 220/127
55 kVA	50 kVA	440/254, 480/277
0.8 Pf		12 lead re-connectable

GENERAL SPECIFICATIONS

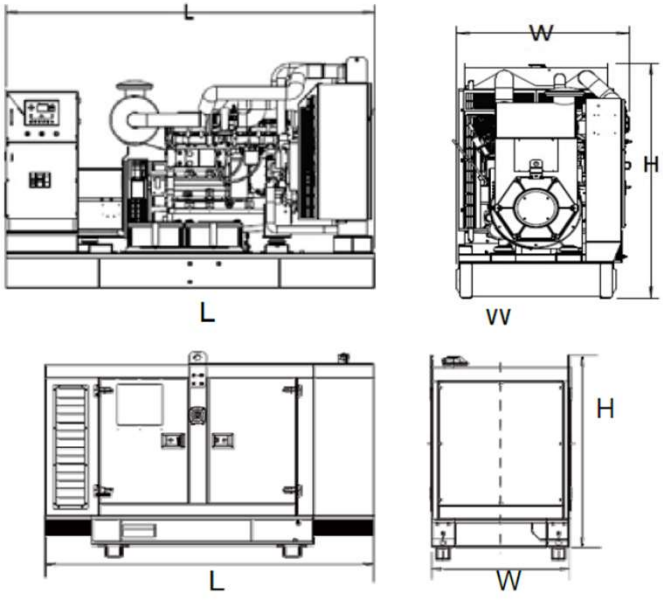
Engine	Alternator	Control Panel
4BT3.9G2	TAL-A42-G	InteliLite IL-9
4 cyl in Line	3 Phase	Auto Start
3.9 Ltr.	12 Lead	7 inputs/6 outputs
Elect. Speed Gov.	4 pole, 1 Bearing	3 analog inputs
Turbocharged	R120 AVR	Remote Monitor

Weights & Dimensions	Open	Silent
Length (L)mm	1750	2680
Width (W)mm	991	1100
Height (H)mm	1500	1732
Net Weight kg	**865**	**1389**

Fuel Consumption /hr	Liters	Gallons
100% Standby Power	11.7	3.1
100% Prime Power	10.7	2.8
75% Prime Power	8.4	2.2
50% Prime Power	6.2	1.6
Fuel Tank Capacity, Open Unit	**180**	**47.5**
Fuel Tank Capacity, Canopy Unit	**140**	**37.0**

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

C55

Engine Specifications

Engine Model	4BT3.9G2
Engine Type	4 Cyl. In-Line
Bore x Stroke (mm)	102x120
Displacement (L)	3.9 L
Engine H.P. at 100% Standby Power	59
Compression Ratio	18.0:1
Aspiration Type	Turbocharged
Intake Air Flow (Ltr/sec.)	54.3
Injection Type	Mechanical/Direct
Governor Type	Electronic
Coolant Capacity Eng.	7.2 L
Oil Pan Capacity	10.9 L
Electrical System Voltage	24vdc
Max Exhaust Back Pressure	10 kPa
Exhaust Gas Flow (Ltr/sec.)	107
Exhaust Gas Temp.	373 C°

A.C. Alternator Data

Leroy Somer Model	TAL-A42-G	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	380	416	440	480
Voltage Series Delta	220	240	254	277
kVA Base Rating at 0.8 Pf	**47**	**52**	**54**	**60**
Locked Rotor Motor Starting kVA*				120

Base Ratings are for Standby - 125/40°C Rise/Amb.

*at 26% voltage dip and 0.6 Pf

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

ComAp InteliLite IL-9

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 asignable 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
- Possibilty 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)

CE

c UL us LISTED

ComAp InteliLite 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)