P125

OUTPUT RATING 60 Hz, 3 Phase

Standby	Prime	Voltages
100 kW	90 kW	208/120, 220/127
125 kVA	112.5 kVA	440/254, 480/277
0.8 Pf		12 lead re-connectable

GENERAL SPECIFICATIONS

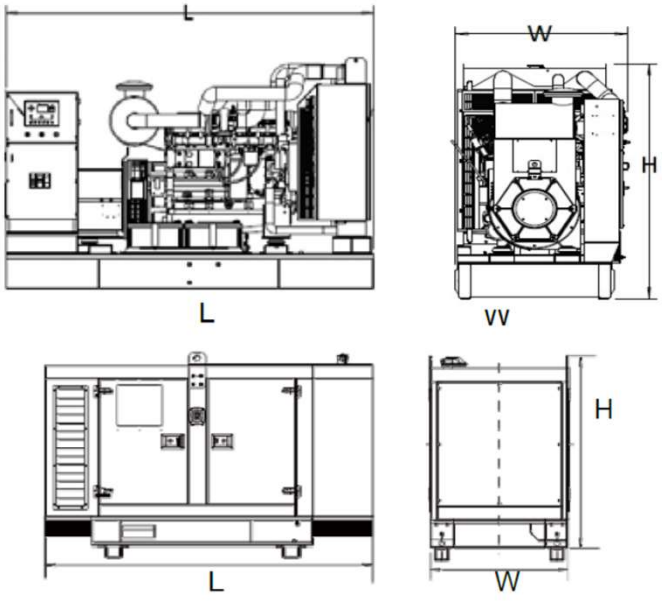
Engine	Alternator	Control Panel
Perkins	LEROY SOMER	ComAp
1104C-44TAG2	TAL-A44-E	InteliLite AMF20 NT
4 cyl in Line	3 Phase	Auto Start
4.4 Ltr.	12 Lead	7 inputs/7 outputs
Mechanical	4 pole, 1 Bearing	3 analog inputs
Turbo/Air Chrg Cool	SX460 AVR	RS232 Interface

Weights & Dimensions	Open	Silent
Length (L)mm	2210	2700
Width (W)mm	750	1136
Height (H)mm	1410	1632
Net Weight kg	**1140**	**1571**

Fuel Consumption /hr	Liters	Gallons
100% Standby Power	29.7	7.8
100% Prime Power	26.9	7.1
75% Prime Power	20.2	5.3
50% Prime Power	14.1	3.7
Fuel Tank Capacity, Open Unit	**200**	**52.8**
Fuel Tank Capacity, Canopy Unit	**145**	**38.3**

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

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Engine Specifications

Engine Model	1104C-44TAG2
Engine Type	4 Cyl. In-Line
Bore x Stroke (mm)	105x127
Displacement (L)	4.4 L
Engine H.P. at 100% Standby Power	157.5
Compression Ratio	18.23:1
Aspiration Type	Turbo/Air Charge Cooler
Intake Air Flow, m^3/min	7.8
Injection Type	Mechanical/Direct
Governor Type	Mechanical
Total Coolant Capacity	12.6 L
Oil Capacity	8.0 L
Electrical System Voltage	12vdc
Max Exhaust Back Pressure	15 kPa
Exhaust Gas Flow, m^3/min	20.4
Exhaust Gas Temp.	574 C°

A.C. Alternator Data

Leroy Somer Model	TAL-A44-E	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	416/240	440/254	460/266	480/277
Voltage Parallel Star	208/120	220/127	230/133	240/138
Voltage Series Delta	240/120	254/127	266/133	277/138
kVA Base Rating at 0.8 Pf	**116.3**	**125**	**125**	**132.5**
Locked Rotor Motor Starting kVA*	250	272	300	338

Base Ratings are for Standby - 150/40°C

*at 30% voltage dip

Stamford Industrial alternators meet the requirements of BS EN60034, BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2100, AS1359

ComAp InteliLite IL-9

Benefits

- Less Wiring and components
- Integrated solution
- Less engineering and programming
- Perfect price/performance ratio

Features

- Support of engines equipped with Electronic Control Unit (J1939)
- Comprehensive Diagnostic messages; SPN/FMI coded; KWP2000 support
- Automatic or manual start/stop of the genset
- Push buttons for simple control, lamp test
- Graphic back-lit LCD display 128x64 pixels
- 6 LED indicators
- Parameters adjustable via keyboard
- Generator CB and Mains CB control with feedback and return timer
- RS232 interface (AT-LINK CONV cable is necessary for IL-AMF 20)
- Modern communications support (IL-AMF 25 only)
- Dimensions 180x120 mm (front panel)
- Sealed IP65
- 3 Phase AMF Function:
  - Over/under frequency
  - Over/under voltage
  - Voltage asymmetry
- Configurable analog inputs
- Battery Voltage, engine speed (pick-up) measurement
- Configurable programmable binary inputs and outputs
- Warm up and cooling functions
- Mains measurements (50/60 Hz): U1-U3, Hz
- Generator measurements (50/60 Hz): U1-U2, I1-I3, Hz, kW, kVAr, kWh
- Selectable protections alarms/shutdowns
- 3 Phase Generator Protections
  - Over/under frequency
  - Over/under voltage
  - Current/voltage asymmetry
  - Overcurrent/overload

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)