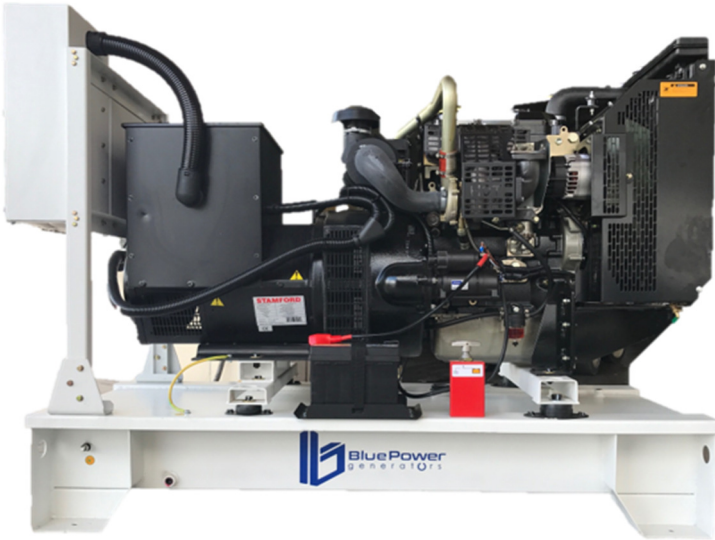





Power Output

Standby	Prime	Voltages L-L	Freq.	Pf	Alternator Leads
22 kW/27 kVA	19.2 kW/24 kVA	208, 220, 440, 480	60Hz	0.8	3Ph, 4W, 12 Lead



Engine	Alternator	Control Panel	Weights & Dimensions		
 Perkins	 LEROY SOMER	 ComAp <small>The heart of smart control</small>	Open	Silent	
404D-22G(UK)	TAL-A40-G	InteliLite IL-9	Length (L)mm	1565	2150
4 cyl in Line	3 Phase	Auto Start	Width (W)mm	550	730
2.2 Ltr.	12 Lead	7 inputs/6 outputs	Height (H)mm	1255	1136
Mech. Speed Gov.	4 pole, 1 Bearing	3 analog inputs	Net Weight kg	480	700
Naturally Aspirated	R120 AVR	Remote Monitor			

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:

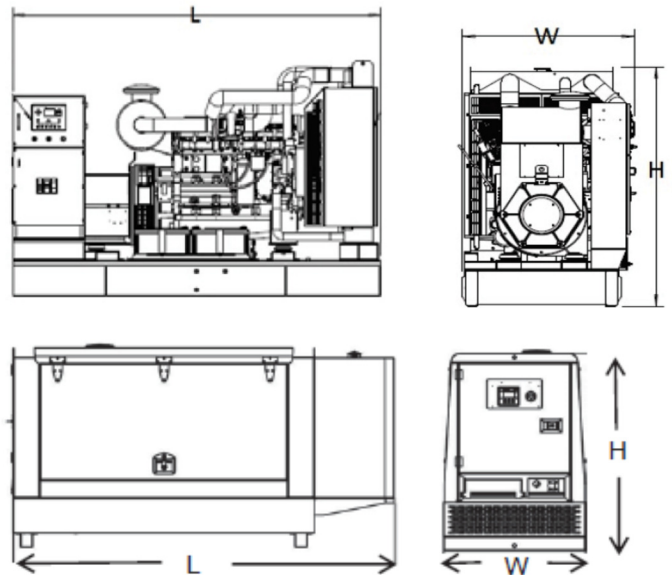
According to ISO 8528-1:2005, prime power is the maximum power which a generating set is capable of delivering continuously while supplying a variable electrical load when operated for an unlimited number of hours per year while meeting manufacturers recommended operation and maintenance requirements. The permissible average output (Ppp) over a 24 hr. period shall not exceed 70% of this rating.

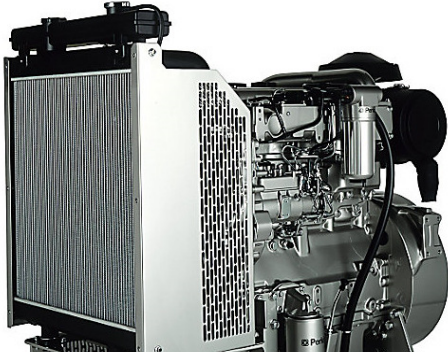
Blue Power gensets are compliant with EC mark which include the following directives:

* 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		Fuel Consumption per hr.	Liters	Gallons
Engine Model	404D-22G	100% Standby Power	6.9	1.8
Engine Type	4 Cyl. In-Line	100% Prime Power	6.2	1.6
Bore x Stroke (mm)	84x100	75% Prime Power	4.8	1.3
Displacement (L)	2.2	50% Prime Power	3.5	0.9
Engine H.P. at 100% Standby Power	32.6	Fuel Capacity, Open Unit	95	25.1
Compression Ratio	23.3:1	Fuel Capacity, Canopy Unit	50	13.2
Aspiration Type	Naturally Aspirated			
Intake Air Flow, m ³ /min (cfm)	1.7 (61)			
Injection Type	Mechanical/Indirect			
Governor Type	Mechanical			
Total Coolant Capacity	7.0L			
Oil Capacity	10.6L			
Electrical System Voltage	12vdc			
Max Exhaust Back Pressure	10.2 kPa			
Exhaust Gas Flow, m ³ /min (cfm)	4.8 (168)			
Exhaust Gas Temp.	510 C°			

A.C. Alternator Data			
Leroy Somer Model	TAL-A40-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 (WYE)	380	416	440	480
Voltage Delta	220	240	254	277
kVA Base Rating at 0.8 Pf	26	28.5	30	33
Locked Rotor Motor Starting kVA*				60

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

*at 30% voltage dip and 0.6 Pf

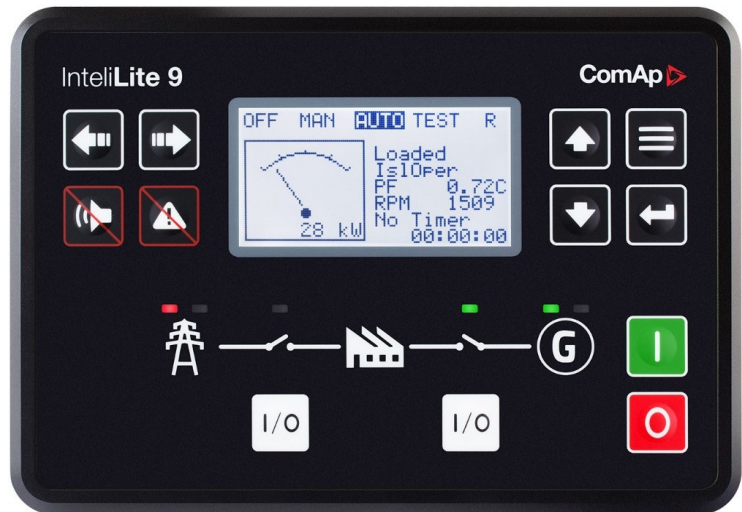
Leroy Somer complies with international standards and regulations: IEC 60034 and derivative, they are designed, manufactured and marketed in ISO 9001 & 14001 environment and can be integrated into a CE market generator set.

ComAp IntelliLite IL-9

Product Description

- ▶ 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

Key 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 Control Panels meet the following certificates and standards:

- EN61000-6-2
- EN61000-6-4
- EN61010-1
- EN61000-2-1 (-20°C/16h for std version)
- EN61000-2-2 (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)