




C438

OUTPUT RATING 60 Hz

Standby	Prime	Voltages
350 kW 438 kVA	320 kW 400 kVA	380/220, 416/ 440/254, 480/

GENERAL SPECIFICATIONS

Engine	Alternator	Control
		
NTA855G3	TAL-A46-H	Intelli
6 cyl in Line	3PH WYE/Delta	Auto
Turbo-Charged	12 Lead	7 inputs/t
Elect Speed Gov.	4 pole, 1 Bearing	3 analog
24 vdc	R150	Remote

Weights & Dimensions

	Open	Site
Length (L)mm	3060	42
Width (W)mm	1170	14
Height (H)mm	1960	22
Net Weight kg	3000	44



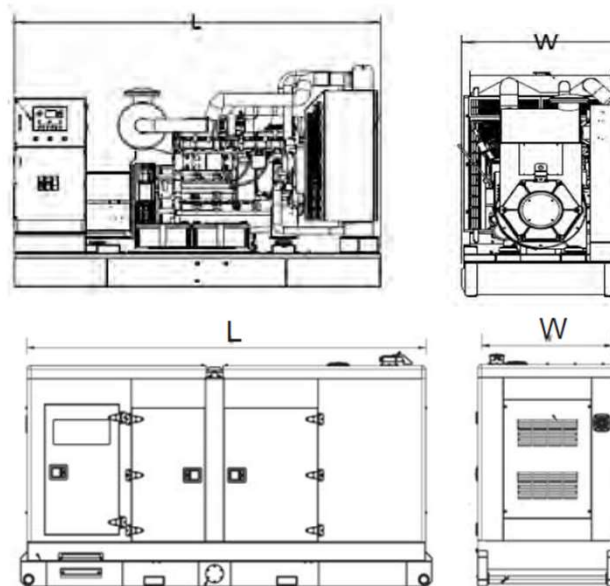
Fuel Consumption /hr	Liters	Gallons
100% Standby Power	96.1	25.4
100% Prime Power	87.1	23.0
75% Prime Power	66.0	17.4
50% Prime Power	46.9	12.4
Fuel Tank Capacity, Open Unit	770	203.3
Fuel Tank Capacity, Canopy Unit	620	163.7

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 dire

* 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	NTA855G3
Engine Type	6 Cyl. In-Line
Bore x Stroke (mm)	140 x 152
Displacement (L)	14L
Aspiration Type	Turbo Charged/After Cooled
Compression Ratio	14.0:1
Injection Type	Mechanical/Direct
Governor Type	Electronic
Coolant Capacity Eng.	20.8L
Oil Pan Capacity	36.7L
Max Oil Temp.	121 °C
Min. Oil Press (Idle)	103 kPa
Max Exhaust Back Pressure	10 kPa
Max Air Restriction (dirty Element)	6.25 kPa



A.C. Alternator Data

Leroy Somer Model	TAL-A46-H	Standard AVR Model	R150
Bearings	1	Excitation Type	Shunt
Power Factor	0.8	Voltage Regulation	±1.0%
Insulation Class	H	Max. Overspeed	2250 rpm
Winding Pitch	2/3	THF I.E.C.	<2%
Ingress Protection	IP23	TIF NEMA	<50

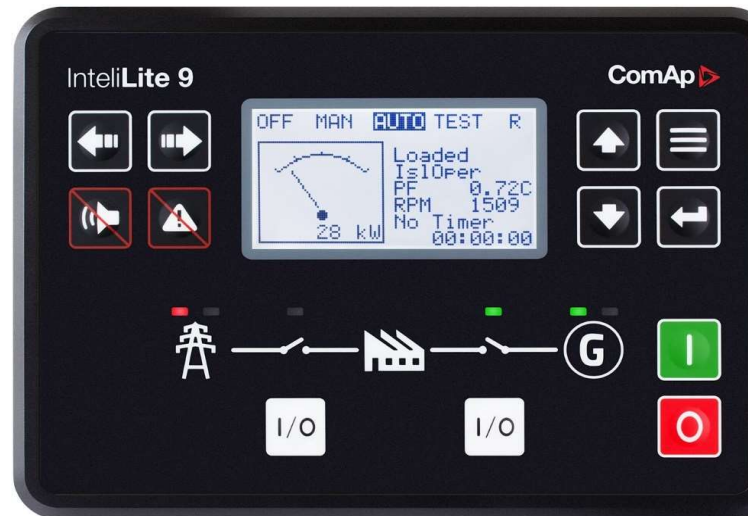
Alternator Performance Data	60 Hz			
Voltage Series Star (WYE)	380	416	440	480
Voltage Series Delta	220	240	254	277
kVA Base Rating	345	375	400	438

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



- | | |
|--|---|
| <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) |
|--|---|



LISTED

ComAp IntelliLite AMF 20 Control Panel meets the following certificates and standards:

- | | |
|---|--|
| <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) |
|---|--|



240
277

I Panel

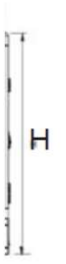
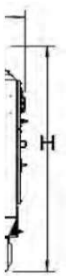


ite IL-9

Start
6 outputs
g inputs
Monitor



ent
40
20
30
30



ctives:

0



