Output Ratings

Generating Set Model	UG11P1S/UG13E1S			
	LPG		Nat Gas	
	Prime	Standby	Prime	Standby
220 – 240V, 50 Hz	11.0 kVA	13.0 kVA	10.0 kVA	11.8 kVA
	11.0 kW	13.0 kW	10.0 kW	11.8 kW
240V 60 Hz	13.5 kVA	15.9 kVA	13.0 kVA	15.0 kVA
	13.5 kW	15.9 kW	13.0 kW	15.0 kW

Ratings at 1.0 pf

Ratings Definitions

Prime Power – Model UG11P1S

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Power – Model UG13E1S

These ratings are applicable for supplying continuous electrical power (at variable load) in event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO8528-3).

Technical Data

Engine Model:	IHM 1.8L	
Alternator Model:	LUB1014NX	
Number of Cylinders:	4 in line	
Cubic Capacity: litres (cu.in)	1.8 (111.1)	
Bore/Stroke: mm (in)	84.0 (3.3) / 82.0 (3.2)	
Compression ratio:	8.5:1	
Aspiration:	Natural aspirated	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 RPM	1800 RPM
Gross Engine Power: kW (hp)	15.7 (21)	19.5 (26)
BMEP: kPA (psi)	691 (100.2)	715 (103.7)
Piston Speed: m/sec (ft/sec)	4.1 (13.5)	4.9 (16.1)
Fuel Consump, UG11P1S: LPG m^3/h/r (cfh)	1.8 (63.6)	2.2 (77.7)
Fuel Consump, UG13E1S: LPG m^3/hr (cfh)	2.2 (77.7)	2.6 (91.8)
Fuel Consump, UG11P1S: NG m^3/hr (cfh)	4.3 (151.9)	5.5 (194.2)
Fuel Consump, UG13E1S: NG m^3/hr (cfh)	5.1 (180.1)	6.4 (226)
Heat Rejection to Exhaust System: kW (Btu/min)	TBA	TBA
Heat Rejection to Cooling System: kW (Btu/min)	13.9 (792)	17.1 (970)
Total Radiated Heat: kW (Btu/min)	7.4 (418)	9.0 (512)
Exhaust Temperature: °C (°F)	568 (1054)	600 (1112)
Radiator Cooling Air Flow: m^3/min (cfm)	63 (2225)	75.6 (2670)
Combustion Air Flow: m^3/min (cfm)	1.3 (46)	1.6 (57)
Exhaust Gas Flow: m^3/min (cfm)	3.87 (137)	4.83 (171)

Note: Ratings in accordance with ISO 8528. All engine performance data based on the above mentioned maximum continuous ratings. Fuel Consumption data assumes complete combustion of LPG fuel with a calorific value of 95 MJ/m^3 and of Natural gas with a calorific value of 37 MJ/m^3.

Dimensions and Weights

Length: mm (in)	**Width:** mm (in)	**Height:** mm (in)	**Net** (+lube oil & coolant): kg (lb)
1350 (53.1)	715 (28.1)	1004 (39.5)	405 (893)

Net = With Lube Oil and Coolant

Generating set pictured may include optional accessories

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UG11P1S/UG13E1S

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