

GEPX 110 OLYMPIAN GENERATOR



FEATURES:

- Fitted in offshore skid with welding plates
- Skid dimensions : 3000 x 1300 x h 1800 mm, GW 2000 kg
- Hook height : 4500 mm

SPECIFICATIONS



GENERATOR

Make	Olympian
Model	LL3014B
Type	Self-excited, brushless
Voltage regulation	±0.5% at steady state from from no load to full load
Frequency	TBA for constant load from no load to full load
Waveform distortion	THD <4%
Radio interference	Compliance with BS800 and VDE Class G&N
Telephone Interference	TIF <50, THF <2%
Overspeed limit	2250 rpm
Insulation	Class H
Temperature rise	Within Class H limits
Deration	Consult factory for available outputs



ENGINE

Manufacturer	Perkins
Model	1006TG2A
Type	4-Cycle
Aspiration	Turbocharged
Cylinder configuration	In-line 6
Displacement — L (cu in)	5.99 (366)
Bore/stroke — mm (in)	100/127 (3.94/5.0)
Compression ratio	16.0:1
Engine speed — rpm	
50 Hz	1500
60 Hz	1800



GEP110 (3-Phase)

Generator Set Technical Data		50 Hz	
		Standby	Prime
Package Performance Power rating	kVA (kW)	110 (88)	100 (80)
Lubricating System Type: Oil pump & lubrication sump Oil filter: Spin-on, full flow Oil cooler: Water Oil type required: API CD 15W-40 Total lube system capacity Oil pan capacity	L (U.S. Gal) L (U.S. Gal)	16.1 (4.25) 13.1 (3.46)	
Fuel System Fuel Tank Capacity Generator set fuel consumption* * 100% load 75% load 50% load	L (U.S. Gal) L/hr (U.S. g/hr) L/hr (U.S. g/hr) L/hr (U.S. g/hr)	230 (66.8) 26.1 (6.90) 19.7 (5.22) 13.4 (3.53)	23.8 (6.30) 18.0 (4.74) 12.1 (3.19)
Engine Electrical System Voltage/ground: 12 vDC/negative Battery charging alternator ampere rating	amps	45	
Cooling System Water pump type: Centrifugal Cooling system capacity Maximum coolant static head Coolant flow rate Minimum temperature to engine Temperature rise across engine Heat rejected to coolant at rated power Total heat radiated to room at rated power Radiator fan load	L (U.S. Gal) m H ₂ O (ft H ₂ O) L/hr (U.S. gal/hr) °C (°F) °C (°F) kW (Btu/min) kW (Btu/min) kW (hp)	27.7 (7.3) 11.7 (38.7) 8280 (131238) 70 (158) 8 (46) 60.9 (3464) 44.6 (2537) 2.2 (3.0)	68.1 (3874) 35.4 (2014)
Air Requirements Combustion air flow Maximum air cleaner restriction Radiator cooling air Generator cooling air	m ³ /min (cfm) kPa (in H ₂ O) m ³ /min (cfm) m ³ /min (cfm)	5.9 (209) 5.0 (20.1) 174 (6144) 22.2 (784)	7.5 (265)
Exhaust System Maximum allowable backpressure Exhaust flow at rated power Exhaust temperature at rated power (dry exhaust)	kPa (in Hg) m ³ /min (cfm) °C (°F)	6.0 (1.77) 17.3 (610) 576 (1069)	15.8 (557) 540 (1004)
Generator Set Noise Rating* (without attenuation) at 1 m (3.28 ft)	dB(A)	95.6	

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