

Alternator Performance Data

Data Item	50 Hz			60 Hz				
	415/240V	400/230V	380/220V					
Motor Starting Capability* kVA	797	745	678					
Short Circuit Capacity** %	300	300	300					
Reactances: Per Unit								
Xd	2.987	3.216	3.563					
X'd	0.172	0.185	0.205					
X''d	0.120	0.130	0.143					

Reactances shown are applicable to standby ratings.

* Based on 30% voltage dip.

** With optional Permanent Magnet generator or AREP excitation.

Alternator Technical Data

Physical Data	
Manufacturer:	OLYMPIAN
Model:	LL6114B
No. of Bearings:	1
Insulation Class:	H
Winding Pitch - Code:	2/3 - 6
Wires:	12
Ingress Protection Rating:	IP23
Excitation System:	SHUNT
AVR Model:	R448

Operating Data	
Overspeed: RPM	2250
Voltage Regulation (steady state) (%):	+/- 0.5
Wave Form NEMA = TIF:	50
Wave Form IEC = THF:	2.0%
Total Harmonic Content LL/LN:	2.0%
Radio Interference:	Suppression is in line with European Standard EN61000-6
Radiant Heat: kW (Btu/min)	
-50 Hz:	24.1 (1371)
-60 Hz:	

Consult your Olympian representative for more information

Technical Data

3 Phase Ratings and Performance at 50 Hz, 1500 RPM

Voltage	Prime		Standby	
	kVA	kW	kVA	kW
415/240V	350.0	280.0	400.0	320.0
400/230V	350.0	280.0	400.0	320.0
380/220V	350.0	280.0	400.0	320.0

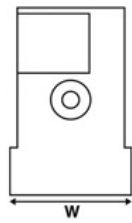
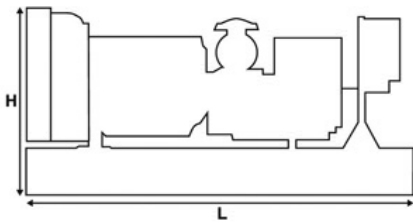
Phase Ratings and Performance at – Hz, – RPM

Voltage	Prime		Standby	
	kVA	kW	kVA	kW

Weights & Dimensions

Weights: kg (lb)	
Net (+ lube oil)	2670 (5886)
Wet (+ lube oil & coolant)	2715 (5986)
Fuel, lube oil & coolant	3443 (7591)

Dimensions: mm (in)	
Length	3500 (137.8)
Width	1110 (43.7)
Height	2158 (85.0)



Note: General configuration not to be used for installation. See general dimension drawings for detail.

Definitions

Standby Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in the 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 ISO 8528-3).

Prime Rating

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.

Standard Reference Conditions

Note: Standard reference conditions 27°C (80°F) air inlet temp, 152.4m (500ft) A.S.L. 60% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

General Data

Documents

A full set of operation and maintenance manuals and circuit wiring diagrams.

Quality Standards

BS4999, BS5000, BSEN60034, BSEN61000, IEC60034.

Warranty

All equipment carries full manufacturer's warranty.

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