

GENERATOR Olympian GEP 165



Output Ratings		
Generating Set Model	Prime*	Standby*
380-415V, 50Hz	150.0 kVA 120.0 kW	165.0 kVA 132.0 kW

FEATURES:

- Fitted in offshore skid with welding plates
- Skid dimensions : 300 x 140 x h 210 cm
- GW 3000 kg



SubSea Solution

www.ois-group.com

Technical Data		
Engine Make & Model:	Perkins 1006TAG2	
Alternator Model:	LL3014H	
Base Frame Type:	Heavy Duty Fabricated Steel	
Circuit Breaker Type:	3 Pole MCCB	
Frequency:	50 Hz	60 Hz
Engine Speed: RPM	1500	-
Fuel Tank Capacity: litres (US gal)	300 (79.3)	
Fuel Consumption, Prime: l/hr (US gal/hr)	31.2 (8.2)	-
Fuel Consumption, Standby : l/hr (US gal/hr)	33.5 (8.8)	-

Alternator Performance Data

Data Item	50 Hz				60 Hz				
	415/240V	400/230V 230/115V 200/115V	380/220V 220/110V	220/127V					
Motor Starting Capability* kVA	384	361	331	423	-	-	-	-	-
Short Circuit Capacity** %	300	300	300	300	300	300	300	300	300
Reactances: Per Unit									
Xd	2.580	2.780	3.080	2.150	-	-	-	-	-
X'd	0.090	0.090	0.100	0.070	-	-	-	-	-
X''d	0.052	0.056	0.062	0.043	-	-	-	-	-

Reactances shown are applicable to standby ratings.

* Based on 30% voltage dip. Improved motor starting capability is available with optional Permanent Magnet generator or AREP excitation.

** With optional Permanent Magnet generator or AREP excitation.

ois-gabon@ois-group.com

ois-congo@ois-group.com

Technical Data

3 Phase Ratings and Performance at 50 Hz, 1500 RPM

Voltage	Prime		Standby	
	kVA	kW	kVA	kW
415/240V	150.0	120.0	165.0	132.0
400/230V	150.0	120.0	165.0	132.0
380/220V	150.0	120.0	165.0	132.0
230/115V	150.0	120.0	165.0	132.0
220/127V	140.0	112.0	154.0	123.2
220/110V	150.0	120.0	165.0	132.0
200/115V	150.0	120.0	165.0	132.0

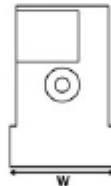
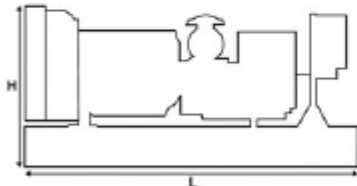
3 Phase Ratings and Performance at 60 Hz, 1500 RPM

Voltage	Prime		Standby	
	kVA	kW	kVA	kW

Weights & Dimensions

Weights: kg (lb)	
Net (+ lube oil)	1515 (3340)
Wet (+ lube oil & coolant)	1535 (3384)
Fuel, lube oil & coolant	1789 (3943)

Dimensions: mm (in)	
Length	2675 (105.3)
Width	900 (35.4)
Height	1564 (61.6)



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

Operation and maintenance manuals provided.
Wiring diagrams included.

Quality Standards

BS4999, BS5000, BSEN60034, BSEN61000, IEC60034.

Warranty

All equipment carried full manufacturer's warranty.