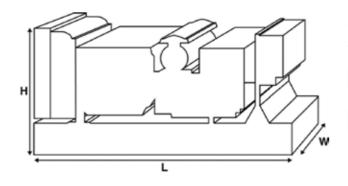


Output Ratings				
Voltage, Frequency		Prime	Standby	
	kVA	1850	2000	
	kW	1480	1600	
	kVA			
	kW			



Ratings at 0.8 power factor.

Please refer to the output ratings technical data section for specific generator set outputs per voltage.



Dimension	s and Weights	
Length	mm	5839 (229.9)
Width	mm	2196 (86.5)
Height	mm	2605 (102.6)
Weight (Dry)	kg	12215 (26929)
Weight (Wet)	kg	12528 (27619)

Ratings in accordance with ISO 8528, ISO 3046, IEC 60034,
BS5000 and NEMA MG-1.22.
Generator set pictured may include optional accessories.

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.

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).

Standard Reference Conditions

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

PEGC Power Solutions offer a range of optional features to allow you to tailor our generator sets to meet your power needs. Options available include:

- Upgrade to CE Certification
- A wide range of Sound Attenuated Enclosures
- A variety of generator set control and synchronising panels
- Additional alarms and shutdowns
- A selection of exhaust silencer noise levels

For further information on all of the standard and optional features accompanying this product please contact your local Dealer or visit:

www.pegcpowersolutions.com



Ratings and Perforr	IIdiice Data		
Engine Make		Perkins	
Engine Model:		4016-61TRG1	
Alternator Make			
Alternator Model:9324F			
Control Panel:		DSE7410	
Base Frame:		Heavy Duty Fabricated S	Steel
Circuit Breaker Type:		Options Available	
Frequency:		50 HZ	60 HZ
Engine Speed: RPM	rpm	1500	
Fuel Tank Capacity:	litres (US gal)	N/A (N/A)	
Fuel Consumption Prime	litres (US gal)/hr	383.8 (101.4)	
Fuel Consumption Standby	litres (US gal)/hr	409.1 (108.1)	
Engine Technical Da	nta		
No. of Cylinders		16	
Alignment		60deg Vee	
Cycle		4 STROKE	
Bore r	nm (in)	160 (6.3)	
	nm (in)	190 (7.5)	
Induction		TURBOCHARGED AIR TO	O WATER CHARGE COOLED
Cooling Method		WATER	
Governing Type		ELECTRONIC	
Governing Class		ISO 8528	
Compression Ratio		13.0:1	
•	. (cu. in)	61.1 (3730)	
Moment of Inertia: k	g m² (lb/in²)	20.72 (70803)	
Voltage	-	24	
Ground		Negative	
Battery Charger Amps		55	
	rg (lb)	5570 (12280)	
	g (lb)	5847 (12890)	
Engine Performanc	e Data	50 Hz	60 Hz
Engine Speed	rpm	1500	
Gross Engine Power Prime	kW (hp)	1648 (2210)	
Gross Engine Power Standb	y kW (hp)	1774 (2379)	
BMEP Prime	kPa (psi)	2157 (312.8)	
BMEP Standby	kPa (psi)	2322 (336.8)	

Exhaust Gas Temperature: Standby

°C (°F)



Fuel System			Deals II 5		
Fuel Filter Type:			Replaceable Ele	ment	
Recommended Fuel:		44004	Class A2 Diesel	 0/ 1	
Fuel Consumption at		110 % Load	100 % Load	75 % Load	50 % Load
	US gal/hr)	409.1 (108.1)	383.8 (101.4)	299.8 (79.2)	206.8 (54.6)
`	US gal/hr)	-	409.1 (108.1)	321.1 (84.8)	222.5 (58.8)
	US gal/hr)				
60 Hz Standby l/hr (I	US gal/hr)	-			
(Based on diesel fuel with a specific gr	ravity of 0.86 and conforming	to BS2869 classA2,EN	1590		
Air System		50	Hz	60 Hz	
Air Filter Type:				Replaceable Elemen	t
Combustion Air Flow Prime	m³/min (cfm)	155 ((5474)		
Combustion Air Flow Standby	m³/min (cfm)	165	(5827)		
Max. Combustion Air Intake Restric	tion kPa	3.7 (14.9)		
Cooling System		50	Hz	60 Hz	
Cooling System Capacity	l (US gal)		83.2)		
Water Pump Type:				Centrifugal	
Heat Rejected to Water & Lube Oil:	Prime kW (Btu/min)	620	(35259)	-	
Heat Rejected to Water & Lube Oil	, ,		(37875)		
Heat Radiation to Room*: Prime	kW (Btu/min)		(10805)		
Heat Radiation to Room*: Standby	kW (Btu/min)	209.	9 (11937)		
Radiator Fan Load:	kW (hp)	78 (1	04.6)		
Radiator Cooling Airflow:	m³/min (cfm)	2081	.4 (73504)		
External Restriction to Cooling Airf	Flow: Pa (in H2O)	250 ((1)		
*: Heat radiated from engine and alterr Designed to operate in ambient conditi Contact your local PEGC Power Solution conditions.	ons up to 50°C (122°F).	specific site			
Lubrication System				Spin-On, Full Flow	
Oil Filter Type:	IV				
Total Oil Capacity: I (US gal				238 (62.9) 213 (56.3)	
Oil Pan Capacity: l (US gal	·) 			API CG 15W-40 CH	4
Oil Cooling Mathed				WATER	†
Oil Cooling Method:				WAILN	
Exhaust System		50		60 Hz	
Maximum Allowable Back Pressure	e: kPa (in Hg)	4 (1.)	·		
Exhaust Gas Flow: Prime	m³/min (cfm)		(14126)		
Exhaust Gas Flow: Standby	m³/min (cfm)	400	(14126)		
Exhaust Gas Temperature: Prime	°C (°F)	400 ((752)		

425 (797)



Alternator Physical	Data							
No. of Bearings:					1			
Insulation Class:					Н			
Winding Pitch:					2/3			
Winding Code					6S			
Wires:					6			
Ingress Protection Rating:					IP23			
Excitation System:					AREP			
AVR Model:					D510/D550			
dependant on voltage code selected								
Alternator Operatin	g Data							
Overspeed: rpm					2250			
Voltage Regulation: (Steady s	state)	%			+/- 0.5			
Wave Form NEMA = TIF:					50			
Wave Form IEC = THF:		%			2			
Total Harmonic content LL/L	N:	%			3.5			
Radio Interference:					EN61000-6			
Radiant Heat: 50 Hz		kW (Btu/min)	kW (Btu/min)			78.9 (4487)		
Radiant Heat: 60 Hz		kW (Btu/min)						
Alternator Performa	nce Da	nta 50 Hz:						
			415/240 V	400/230 V	380/220 V			
Voltage Code								
Motor Starting Capability*	kVA		5086	4740	4295			
Short Circuit Capacity**	%		300	300	300	300		
Reactances	Xd		3.394	3.654	4.048			
	X'd		0.269	0.289	0.32			
	X"d		0.149	0.149	0.165			
Alternator Performa	nce Da	nta 60 Hz						
Arternator Ferrorma	ince De	114 00 112						
Voltage Code								
Motor Starting Capability*	kVA							
Short Circuit Capacity**	%	300	300	300	300	300		
Reactances	Xd							

Reactances shown are applicable to prime ratings.

X'd X"d

^{*}Based on 30% voltage dip at 0.4 power factor.

^{**} With optional independant excitation system (PMG / AUX winding)

208/120V 240/120 220/110



Output Ratings	50 HZ				
		Prime		Standby	
Voltage Code	kVA	kW	kVA	kW	
415/240V	1850	1480	2000	1600	
400/230V	1850	1480	2000	1600	
380/220V	1850	1480	2000	1600	
230/115V					
220/127V					
220/110V					
200/115V					
240V					
230V					
220V					
Outunt Datings	60.11-				
Output Ratings	bu HZ	Prime		Ctandhu	
Valtara Cada	LAZA			Standby	
Voltage Code	kVA	kW	kVA	kW	
480/277V					
440/254V					
416/240V					
400/230V					
380/220V					
240/139V					
240/120V					
230/115V					
220/127V					





Dealer Contact Details				

Documentation

Operation and maintenance manual including circuit wiring diagrams.

Generator Set Standards

The equipment meets the following standards: BS5000, ISO 8528, ISO 3046, IEC 60034, NEMA MG-1.22.

Warranty

6.8 - 750 kVA electric power generation products in prime applications the warranty period is 12 months from date of start-up, unlimited hours (8760). For standby applications the warranty period is 24 months from date of start-up, limited to 500 hours per year.

730 - 2500 kVA electric power generation products in prime applications the warranty period is 12 months from date of start-up, unlimited hours (8760 hours) or 24 months from date of start-up, limited to 6000 hours. For standby applications the warranty period is 36 months from date of start-up, limited to 500 hours per year.

PEGC Power Solutions manufactures product in the following locations:

Lahore Karachi Islamabad Multan

With headquarters in Lahore, PEGC Power Solutions operates through a Global Dealer Network. To contact your local Sales Office please visit the PEGC Power Solutions website at www.pegcpowersolutions.com.

PEGC Power Solutions is a trading name of Public Electric Generator Concern (PEGC Power Solutions & Engineering Services (Pvt) Ltd.).