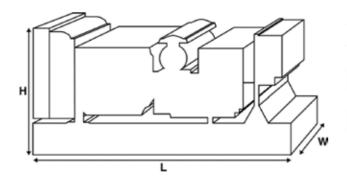


Output Ratings							
Voltage, Frequency	Prime	Standby					
kVA	11	12					
kW	11	12					
kVA							
kW							



Ratings at 1 power factor.

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



Dimensions and Weights							
Length	mm	1550 (61)					
Width	mm	620 (24.4)					
Height	mm	1020 (40.2)					
Weight (Dry)	kg	309 (681)					
Weight (Wet)	kg	315 (694)					

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 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:



Ratings and Perform	ance Data						
Engine Make		Perkins					
Engine Model:		403A-15G2					
Alternator Make							
Alternator Model:		10031	10031				
Control Panel:		100					
Base Frame:		Heavy Duty Fabricated St	reel				
Circuit Breaker Type:		3 Pole MCB					
Frequency:		50 HZ	60 HZ				
Engine Speed: RPM	rpm	1500					
Fuel Tank Capacity:	litres (US gal)						
Fuel Consumption Prime	litres (US gal)/hr	4 (1.1)					
Fuel Consumption Standby	litres (US gal)/hr	4.5 (1.2)					
Engine Technical Dat	3						
No. of Cylinders	a	3					
Alignment		IN LINE					
Cycle		4 STROKE					
	n (in)	84 (3.3)					
	n (in)	90 (3.5)					
Induction		NATURALLY ASPIRATED					
Cooling Method		WATER					
Governing Type		MECHANICAL					
Governing Class		ISO 8528					
Compression Ratio		22.5:1					
	cu. in)	1.5 (91.3)					
	m² (lb/in²)	2.46 (8406)					
Voltage	· · · · · · · · · · · · · · · · · · ·	12					
Ground		Negative					
Battery Charger Amps		40					
	(lb)	197 (434)					
	(lb)	215 (474)					
Engine Performance	Data	50 Hz	60 Hz				
Engine Speed	rpm	1500					
Gross Engine Power Prime	kW (hp)	13.7 (18)					
Gross Engine Power Standby	kW (hp)	15.1 (20)					
BMEP Prime	kPa (psi)	734 (106.5)					
BMEP Standby	kPa (psi)	807 (117.1)					



Fuel Filter Type:			Replaceable Eler	ment	
Recommended Fuel:			Class A2 Diesel		
Fuel Consumption at		110 % Load	100 % Load	75 % Load	50 % Load
50 Hz Prime:	l/hr (US gal/hr)	4.5 (1.2)	4 (1.1)	2.8 (0.7)	2.2 (0.6)
50 Hz Standby	l/hr (US gal/hr)	•	4.5 (1.2)	3.1 (0.8)	2.3 (0.6)
60 Hz Prime	l/hr (US gal/hr)				
60 Hz Standby	l/hr (US gal/hr)	-			

Air System		50 Hz	60 Hz	
Air Filter Type:			Replaceable Element	
Combustion Air Flow Prime	m³/min (cfm)	1 (35)		
Combustion Air Flow Standby	m³/min (cfm)			
Max. Combustion Air Intake Restriction	kPa	6.4 (25.7)		

Cooling System		50 Hz	60 Hz
Cooling System Capacity	l (US gal)	6 (1.6)	
Water Pump Type:			Centrifugal
Heat Rejected to Water & Lube Oil: Prime	kW (Btu/min)	13.1 (745)	
Heat Rejected to Water & Lube Oil: Standby	kW (Btu/min)	14.4 (819)	
Heat Radiation to Room*: Prime	kW (Btu/min)	5.6 (318)	
Heat Radiation to Room*: Standby	kW (Btu/min)	6.1 (347)	
Radiator Fan Load:	kW (hp)	0.2 (0.2)	
Radiator Cooling Airflow:	m³/min (cfm)	33 (1165)	
External Restriction to Cooling Airflow:	Pa (in H2O)	125 (0.5)	

^{*:} Heat radiated from engine and alternator

Designed to operate in ambient conditions up to 50°C (122°F).

Contact your local PEGC Dealer for power ratings at specific site conditions.

Lubrication System					
Oil Filter Type:		Spin-on, Full flow			
Total Oil Capacity:	l (US gal)	6 (1.6)			
Oil Pan Capacity:	l (US gal)	4.5 (1.2)			
Oil Type:		API CH4 15W-40			
Oil Cooling Method:		N/A			

Exhaust System		50 Hz	60 Hz	
Maximum Allowable Back Pressure:	kPa (in Hg)	10.2 (3)		
Exhaust Gas Flow: Prime	m³/min (cfm)	2.2 (78)		
Exhaust Gas Flow: Standby	m³/min (cfm)			
Exhaust Gas Temperature: Prime	°C (°F)	470 (878)		
Exhaust Gas Temperature: Standby	°C (°F)	580 (1076)		



Alternator Physical	Data						
No. of Bearings:							
Insulation Class:							
Winding Pitch:							
Winding Code					M		
Wires:					3		
Ingress Protection Rating:							
Excitation System:							
AVR Model:					R121		
dependant on voltage code selected	i						
Alternator Operatin	g Data						
Overspeed: rpm							
Voltage Regulation: (Steady	state)	%					
Wave Form NEMA = TIF:							
Wave Form IEC = THF:		%					
Total Harmonic content LL/L	N:	%					
Radio Interference:							
Radiant Heat: 50 Hz		kW (Btu/min)			2.2 (125)		
Radiant Heat: 60 Hz		kW (Btu/min)					
	ance Da						
Alternator Performa Voltage Code	ance Da		240 V	230 V	220 V		
Alternator Performa Voltage Code							
Alternator Performa Voltage Code Motor Starting Capability*	kVA		24	22	21	0	
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA %		24 0	22 0	21 0	0	
Alternator Performa Voltage Code Motor Starting Capability*	kVA % Xd		24 0 1.55	22 0 1.68	21 0 1.84	0	
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA %		24 0	22 0	21 0	0	
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA % Xd X'd X"d	ita 50 Hz:	24 0 1.55 0.27	22 0 1.68 0.29	21 0 1.84 0.32	0	
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances	kVA % Xd X'd X"d	ita 50 Hz:	24 0 1.55 0.27	22 0 1.68 0.29	21 0 1.84 0.32	0	
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa	kVA % Xd X'd X"d	ita 50 Hz:	24 0 1.55 0.27	22 0 1.68 0.29	21 0 1.84 0.32	0	
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa Voltage Code	kVA % Xd X'd X"d	ita 50 Hz:	24 0 1.55 0.27 0.146	22 0 1.68 0.29 0.146	21 0 1.84 0.32 0.159	0	
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa Voltage Code Motor Starting Capability*	kVA % Xd X'd X"d	nta 50 Hz:	24 0 1.55 0.27 0.146	22 0 1.68 0.29 0.146	21 0 1.84 0.32 0.159		
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA % Xd X'd X"d Ance Da	nta 50 Hz:	24 0 1.55 0.27 0.146	22 0 1.68 0.29 0.146	21 0 1.84 0.32 0.159		

Reactances shown are applicable to prime ratings.

^{*}Based on 30% voltage dip at 0.9 power factor.

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



Output Ratings	50 Hz				
		Prime		Standby	
Voltage Code	kVA	kW	kVA	kW	
415/240V					
400/230V					
380/220V					
230/115V					
220/127V					
220/110V					
200/115V					
240V	11	11	12	12	
230V	11	11	12	12	
220V	11	11	12	12	
Output Ratings	60 Hz				
		Prime		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					
220/110V					
208/120V					
240/120					
220/110					





D	ealer	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.).