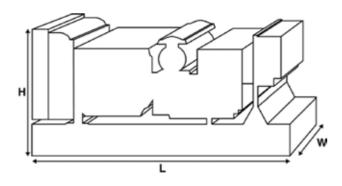


Output Ratings				
Voltage, Frequency	Prime	Standby		
kVA	6.8	7.5		
kW	6.8	7.5		
kVA				
kW				

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	233 (514)		
Weight (Wet)	kg	238 (525)		

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 peaking 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 synchronizing 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:



<b>Ratings and Performa</b>	ance Data		
Engine Make		Perkins	
Engine Model:		403A-11G1	
Alternator Make			
Alternator Model:		10030	
Control Panel:		100	
Base Frame:		Heavy Duty Fabricated Steel	
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	2.5 (0.7)	
Fuel Consumption Standby	litres (US gal)/hr	2.8 (0.7)	
Engine Technical Data	a		
No. of Cylinders		3	
Alignment		IN LINE	
Cycle		4 STROKE	
Bore mm	ו (in)	77 (3)	
Stroke mm	ו (in)	81 (3.2)	
Induction		NATURALLY ASPIRATED	
Cooling Method		WATER	
Governing Type		MECHANICAL	
Governing Class		ISO 8528	
Compression Ratio		23:1	
Displacement L (c	:u. in)	1.1 (69)	
Moment of Inertia: kg r	m² (lb/in²)	1.63 (5570)	
Voltage		12	
Ground		Negative	
Battery Charger Amps		15	
Engine Weight Dry kg	(lb)	129 (284)	
Engine Weight Wet kg	(lb)	139 (306)	
Engine Performance	Data	50 Hz	60 Hz
Engine Speed	rpm	1500	
Gross Engine Power Prime	kW (hp)	8.6 (12)	
Gross Engine Power Standby	kW (hp)	9.5 (13)	
BMEP Prime	kPa (psi)	610 (88.5)	
BMEP Standby	kPa (psi)	672 (97.4)	



Fuel System					
Fuel Filter Type:			Replaceable Ele	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)	2.8 (0.7)	2.5 (0.7)	1.9 (0.5)	1.5 (0.4)
50 Hz Standby l	/hr (US gal/hr)	÷	2.8 (0.7)	2.1 (0.6)	1.6 (0.4)
60 Hz Prime l	/hr (US gal/hr)				
60 Hz Standby l	/hr (US gal/hr)	+			
(Based on diesel fuel with a speci-	fic gravity of 0.84 and conform	ing to BS2869, class A2			
Air System		50 I	łz	60 Hz	
Air Filter Type:				Replaceable Elemer	t
Combustion Air Flow Prime	m <sup>3</sup> /min (cfm)	0.7 (2	5)		
Combustion Air Flow Standby	m³/min (cfm)	0.7 (2	5)		
Max. Combustion Air Intake Re	estriction kPa	6.4 (2	5.7)		
Cooling System		50 I	łz	60 Hz	
Cooling System Capacity	l (US gal)	5.2 (1			
Water Pump Type:	( 3 )			Centrifugal	
Heat Rejected to Water & Lube	e Oil: Prime kW (Btu/n	nin) 8.3 (4	72)		
Heat Rejected to Water & Lub	e Oil: Standby kW (Btu/n	nin) 9.5 (5	40)		
Heat Radiation to Room*: Prin	ne kW (Btu/n	nin) 2.9 (1	65)		
Heat Radiation to Room*: Sta	ndby kW (Btu/n	nin) 3.9 (2	22)		
Radiator Fan Load:	kW (hp)	0.2 (0	.3)		
Radiator Cooling Airflow:	m³/min (c	fm) 24 (84	18)		
External Restriction to Cooling	g Airflow: Pa (in H2O	) 125 (0	).5)		
*: Heat radiated from engine and Designed to operate in ambient co Contact your local PEGC Power So conditions.	onditions up to 50°C (122°F).	as at specific site			
Oil Filter Type:				Spin-On, Full Flow	
Total Oil Capacity: l (L	JS gal)			4.9 (1.3)	
Oil Pan Capacity: l (L	JS gal)			4.4 (1.2)	
Oil Type:				API CH4 15W-40	
Oil Cooling Method:				N/A	
Exhaust System		50 I	łz	60 Hz	
Maximum Allowable Back Pres	ssure: kPa (in Hg)	10.2 (	3)		
Exhaust Gas Flow: Prime	m <sup>3</sup> /min (cfm)	1.7 (5	9)		
Exhaust Gas Flow: Standby	m³/min (cfm)	1.8 (6	4)		
Exhaust Gas Temperature: Prir	ne °C (°F)	368 (	694)		
Exhaust Gas Temperature: Sta	ndby °C (°F)	420 (	788)		



<b>Alternator Physical</b>	Data					
No. of Bearings:						
Insulation Class:						
Winding Pitch:						
Winding Code					Μ	
Wires:					3	
Ingress Protection Rating:						
Excitation System:						
AVR Model:					R121	
dependant on voltage code selected	d					
Alternator Operatir	ng Data					
Overspeed: rpm						
Voltage Regulation: (Steady	state)	%				
Wave Form NEMA = TIF:						
Wave Form IEC = THF:		%				
Total Harmonic content LL/I	LN:	%				
Radio Interference:						
naulo interference.						
		kW (Btu/min)			1.4 (80)	
Radiant Heat: 50 Hz Radiant Heat: 60 Hz	ance Da	kW (Btu/min)			1.4 (80)	
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performation Voltage Code	ance Da	kW (Btu/min)	240 V	230 V	1.4 (80) 220 V	
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performa Voltage Code	ance Da	kW (Btu/min)	240 V 18	230 V 17		
Radiant Heat: 50 Hz Radiant Heat: 60 Hz <b>Alternator Perform</b> Voltage Code Motor Starting Capability*		kW (Btu/min)			220 V	0
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA	kW (Btu/min)	18	17	220 V 16	0
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA %	kW (Btu/min)	18 0	17 0	220 V 16 0	0
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performa	kVA % Xd	kW (Btu/min)	18 0 1.15	17 0 1.25	220 V 16 0 1.36	0
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA % Xd X'd X"d	kW (Btu/min) ita 50 Hz:	18 0 1.15 0.21	17 0 1.25 0.23	220 V 16 0 1.36 0.25	0
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performation Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performation	kVA % Xd X'd X"d	kW (Btu/min) ita 50 Hz:	18 0 1.15 0.21	17 0 1.25 0.23	220 V 16 0 1.36 0.25	0
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa Voltage Code	kVA % Xd X'd X"d	kW (Btu/min) ita 50 Hz:	18 0 1.15 0.21	17 0 1.25 0.23	220 V 16 0 1.36 0.25	0
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performation Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performation Voltage Code Motor Starting Capability*	kVA % Xd X'd X"d <b>ance Da</b>	kW (Btu/min) ita 50 Hz:	18 0 1.15 0.21 0.116	17 0 1.25 0.23 0.116	220 V 16 0 1.36 0.25 0.126	0
Radiant Heat: 50 Hz Radiant Heat: 60 Hz 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 <b>Ance Da</b>	kW (Btu/min) hta 50 Hz:	18 0 1.15 0.21 0.116	17 0 1.25 0.23 0.116	220 V 16 0 1.36 0.25 0.126	
Radiant Heat: 50 Hz Radiant Heat: 60 Hz Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances	kVA % Xd X'd X''d Ance Da	kW (Btu/min) hta 50 Hz:	18 0 1.15 0.21 0.116	17 0 1.25 0.23 0.116 16 0	220 V 16 0 1.36 0.25 0.126 0 0 0	

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	6.8	6.8	7.5	7.5		
230V	6.8	6.8	7.5	7.5		
220V	6.8	6.8	7.5	7.5		

### 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					





### **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.).

In line with our policy of continuous product development, we reserve the right to change specification without notice.