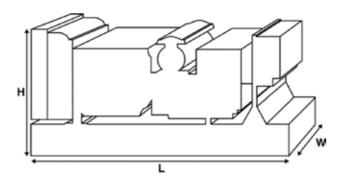


Output Ratings						
Voltage, Frequency	Prime	Standby				
kVA	706	780				
kW	564.8	624				
kVA						
kW						



Ratings at 0.8 power factor.

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



Dimension	ns and Weights	
Length	mm	4130 (162.6)
Width	mm	1690 (66.5)
Height	mm	2570 (101.2)
Weight (Dry)	kg	4869 (10734)
Weight (Wet)	kg	4979 (10977)

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:



Foreton Male	rmance Data	Perkins				
Engine Make						
Engine Model: Alternator Make		2806A-E18TTAG4				
		722.41				
Alternator Model:		7224J 100				
Control Panel:			1			
Base Frame:		Heavy Duty Fabricated Stee 3 Pole MCCB				
Circuit Breaker Type:			(0.117			
Frequency:		50 HZ	60 HZ			
Engine Speed: RPM	rpm	1500				
Fuel Tank Capacity:	litres (US gal)	1702 (449.62)				
Fuel Consumption Prime		144.2 (38.1)				
Fuel Consumption Stand	by litres (US gal)/hr	160.6 (42.4)				
Engine Technical	 Data					
No. of Cylinders		6				
Alignment		IN LINE				
Cycle		4 STROKE				
Bore	mm (in)	145 (5.7)				
Stroke mm (in)		183 (7.2)	183 (7.2)			
Induction		TURBOCHARGED AIR TO AI	R CHARGE COOLED			
Cooling Method		WATER				
Governing Type		ELECTRONIC				
Governing Class		ISO 8528 G2				
Compression Ratio		14.0:1				
Displacement	L (cu. in)	18.1 (1104.5)				
Moment of Inertia:	kg m² (lb/in²)	3.95 (13498)				
Voltage	J	24				
Ground		Negative				
Battery Charger Amps		50				
Engine Weight Dry	kg (lb)	2361 (5205)				
Engine Weight Wet	kg (lb)	2477 (5461)				
	- · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
Engine Performance Data		50 Hz	60 Hz			
Engine Speed rpm		1500				
Gross Engine Power Prim	e kW (hp)	623 (835)				
Gross Engine Power Stan	dby kW (hp)	685 (919)				
BMEP Prime	kPa (psi)	2749 (398.7)				
BMEP Standby	kPa (psi)	3023 (438.4)				



Fuel System					
Fuel Filter Type:			Eco Replaceable	Element	
Recommended Fuel:			Class A2 Diesel		
Fuel Consumption at		110 % Load	100 % Load	75 % Load	50 % Load
50 Hz Prime:	l/hr (US gal/hr)	160.6 (42.4)	144.2 (38.1)	108.1 (28.6)	75.8 (20)
50 Hz Standby	l/hr (US gal/hr)	-	160.6 (42.4)	119 (31.4)	82.3 (21.7)
60 Hz Prime	l/hr (US gal/hr)				
60 Hz Standby	l/hr (US gal/hr)	-			
(Based on diesel fuel with a	a specific gravity of 0.85 and co	nforming to BS2869 classA2,E	N590		

Air System		50 Hz	60 Hz	
Air Filter Type:			Non Canister	
Combustion Air Flow Prime	m³/min (cfm)	52 (1836)		
Combustion Air Flow Standby	m³/min (cfm)	57 (2013)		
Max. Combustion Air Intake Restriction	kPa	3.7 (14.9)		

Cooling System		50 Hz	60 Hz
Cooling System Capacity	l (US gal)	109.5 (28.9)	
Water Pump Type:			Centrifugal
Heat Rejected to Water & Lube Oil: Prime	kW (Btu/min)	176 (10009)	
Heat Rejected to Water & Lube Oil: Standby	kW (Btu/min)	193 (10976)	
Heat Radiation to Room*: Prime	kW (Btu/min)	123.5 (7023)	
Heat Radiation to Room*: Standby	kW (Btu/min)	135.9 (7728)	
Radiator Fan Load:	kW (hp)	27.6 (37)	
Radiator Cooling Airflow:	m³/min (cfm)	853 (30123)	
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 Power Solutions Dealer for power ratings at specific site conditions.

Lubrication System

Oil Filter Type:		Spin-On, Full Flow
Total Oil Capacity:	l (US gal)	68 (18)
Oil Pan Capacity:	l (US gal)	56 (14.8)
Oil Type:		API CH4 / CI4
Oil Cooling Method:		WATER

Exhaust System		50 Hz	60 Hz	
Maximum Allowable Back Pressure:	kPa (in Hg)	8.5 (2.5)		
Exhaust Gas Flow: Prime	m³/min (cfm)	119 (4202)		
Exhaust Gas Flow: Standby	m³/min (cfm)	128 (4520)		
Exhaust Gas Temperature: Prime	°C (°F)	461 (862)		
Exhaust Gas Temperature: Standby	°C (°F)	465 (869)		



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:				R450M		
dependant on voltage code selected						
Alternator Operatin	g Data					
Overspeed: rpm					2250	
Voltage Regulation: (Steady s	tate)	%			+/- 0.5	
Wave Form NEMA = TIF:					50	
Wave Form IEC = THF:		%			2	
Total Harmonic content LL/LN:		%	4			
Radio Interference:			EN61000-6			
Radiant Heat: 50 Hz		kW (Btu/min)	35.9 (2042)			
Radiant Heat: 60 Hz		kW (Btu/min)				
Alternator Performa	nce Da	ta 50 Hz·				
Alternator i errorina	ince Du	1ta 50 112.	415/240 V	400/230 V	380/220 V	
Voltage Code					3307,220	
Motor Starting Capability*	kVA		2278	2128	1935	
Short Circuit Capacity**	%		300	300	300	300
Reactances	Xd		2.588	2.786	3.087	
	X'd		0.128	0.137	0.152	
	X"d		0.11	0.11	0.122	
All 1 D 6						
Alternator Performa	nce Da	ta 60 Hz				
Voltage Code						
Motor Starting Capability*	kVA					
		200	200	200	200	200

300

300

300

300

Short Circuit Capacity**

Reactances

%

Xd X'd X"d 300

Reactances shown are applicable to prime ratings.

^{*}Based on 30% voltage dip at 0.6 power factor.

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



Output Ratings	50 Hz				
		Prime		Standby	
Voltage Code	kVA	kW	kVA	kW	
415/240V	706	564.8	780	624	
400/230V	706	564.8	780	624	
380/220V	706	564.8	780	624	
230/115V					
220/127V					
220/110V					
200/115V					
240V					
230V					
220V					
Output Ratings	60 Hz				
Output Ratings	00 112	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.).