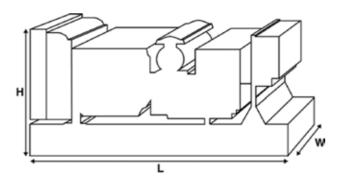


Output Ratings					
Voltage, Frequency	Prime	Standby			
kVA	770	850			
kW	616	680			
kVA					
kW					



Ratings at 0.8 power factor.

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



Dimensions and Weights				
Length	mm	4130 (162.6)		
Width	mm	1690 (66.5)		
Height	mm	2570 (101.2)		
Weight (Dry)	kg	4930 (10869)		
Weight (Wet)	kg	5040 (11111)		

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:



Ratings and Perform	mance Data				
Engine Make		Perkins			
Engine Model:		2806A-E18TTAG5			
Alternator Make					
Alternator Model:		7224L			
Control Panel:		100			
Base Frame:		Heavy Duty Fabricated Steel			
Circuit Breaker Type:		3 Pole MCCB			
Frequency:		50 HZ	60 HZ		
Engine Speed: RPM	rpm	1500			
Fuel Tank Capacity:	litres (US gal)	1702 (449.62)			
Fuel Consumption Prime	litres (US gal)/hr	160.3 (42.3)			
Fuel Consumption Standby	Fuel Consumption Standby litres (US gal)/hr				
Engine Technical Da	ata				
No. of Cylinders		6			
Alignment		IN LINE			
Cycle		4 STROKE			
Bore mm (in)		145 (5.7)			
Stroke	mm (in)	183 (7.2)			
Induction		TURBOCHARGED AIR TO AIR CHA	RGE COOLED		
Cooling Method		WATER			
Governing Type		ELECTRONIC			
Governing Class		ISO 8528 G2			
Compression Ratio		14.0:1			
Displacement I	L (cu. in)	18.1 (1104.5)			
Moment of Inertia:	kg m² (lb/in²)	3.59 (12268)			
Voltage		24			
Ground		Negative			
Battery Charger Amps		50			
Engine Weight Dry	kg (lb)	2361 (5205)			
	kg (lb)	2477 (5461)			
Engine Performance	re Data	50 Hz	60 Hz		
		1500	VV 112		
Gross Engine Power Prime	rpm kW (hp)	671 (900)			
Gross Engine Power Prime Gross Engine Power Standb		739 (991)			
BMEP Prime		2961 (429.4)			
BMEP Standby	kPa (psi)	3261 (472.9)			
DIMLE SCALIUDY	kPa (psi)	3201 (112.7)			



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)	179.9 (47.5)	160.3 (42.3)	117.6 (31.1)	80.9 (21.4)
50 Hz Standby	l/hr (US gal/hr)	-	179.9 (47.5)	130.3 (34.4)	88 (23.2)
60 Hz Prime	l/hr (US gal/hr)				
60 Hz Standby	l/hr (US gal/hr)	•			

(Based on diesel fuel with a specific gravity of 0.85 and conforming to BS2869 classA2,EN590

Air System		50 Hz	60 Hz	
Air Filter Type:			Non Canister	
Combustion Air Flow Prime	m³/min (cfm)	58 (2048)		
Combustion Air Flow Standby	m³/min (cfm)	62 (2190)		
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)	186 (10578)		
Heat Rejected to Water & Lube Oil: Standby	kW (Btu/min)	205 (11658)		
Heat Radiation to Room*: Prime	kW (Btu/min)	130.7 (7433)		
Heat Radiation to Room*: Standby	kW (Btu/min)	143.1 (8138)		
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)	132 (4662)		
Exhaust Gas Flow: Standby	m³/min (cfm)	142 (5015)		
Exhaust Gas Temperature: Prime	°C (°F)	464 (867)		
Exhaust Gas Temperature: Standby	°C (°F)	474 (885)		



No. of Bearings:				1	
Insulation Class:				Н	
Winding Pitch:				2/3	
Winding Code				65	
Wires:				6	
Ingress Protection Rating:				IP23	
Excitation System:				AREP	
AVR Model:				R450M	
dependant on voltage code selected					
Alternator Operating Dat	a				
Overspeed: rpm				2250	
Voltage Regulation: (Steady state)	%			+/- 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)	36.1 (2053)			
Radiant Heat: 60 Hz	kW (Btu/min)				
Alternator Performance D	ata 50 Hz:				
		415/240 V	400/230 V	380/220 V	
Voltage Code					
Makan Chanking Carability * 10/A		2268	2117	1924	
Motor Starting Capability* kVA		300	300	300	300
Short Circuit Capacity** %				2.544	
		2.971	3.198	3.544	
Short Circuit Capacity** %		2.971 0.145	3.198 0.156	0.173	

300

300

300

300

Motor Starting Capability*

Short Circuit Capacity**

Reactances

kVA

%

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	770	616	850	680
400/230V	770	616	850	680
380/220V	770	616	850	680
230/115V				
220/127V				
220/110V				
200/115V				
240V				
230V				
220V				
Output Ratings	60 Hz			
output Rutings	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				





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.).