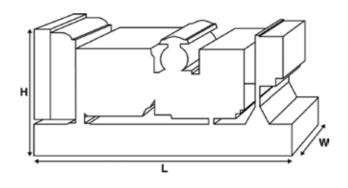


Output Ratings				
Voltage, Frequency		Prime	Standby	
	kVA			
	kW			
480/277V, 60 Hz	kVA	437.5	500	
	kW	350	400	



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	3800 (149.6)		
Width	mm	1131 (44.5)		
Height	mm	2156 (84.9)		
Weight (Dry)	kg	3195 (7044)		
Weight (Wet)	kg	3253 (7172)		

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:



F : # 1	ance Data	Perkins			
Engine Make					
Engine Model:		2206A-E13TAG6			
Alternator Make					
Alternator Model:		29A320			
Control Panel:		100			
Base Frame:			Heavy Duty Fabricated Steel		
Circuit Breaker Type:		3 Pole MCCB			
Frequency:		50 HZ	60 HZ		
Engine Speed: RPM	rpm		1800		
Fuel Tank Capacity:	litres (US gal)	888 (234.58)			
Fuel Consumption Prime	litres (US gal)/hr		87.8 (23.2)		
Fuel Consumption Standby	litres (US gal)/hr		99.4 (26.3)		
Engine Technical Dat	 a				
No. of Cylinders		6			
Alignment		IN LINE			
Cycle		4 STROKE			
Bore mm (in)		130 (5.1)			
Stroke mm (in)		157 (6.2)			
Induction		TURBOCHARGED AIR TO) AIR CHARGE COOLED		
Cooling Method		WATER			
Governing Type		ELECTRONIC	ELECTRONIC		
Governing Class		ISO 8528 G2	ISO 8528 G2		
Compression Ratio		16.3:1	16.3:1		
Displacement L (cu. in)	12.5 (762.8)			
Moment of Inertia: kg	m² (lb/in²)	2.77 (9465)			
Voltage		24			
Ground		Negative			
Battery Charger Amps		70			
	(lb)	1301 (2868)			
	(lb)	1351 (2978)			
Engine Performance	Data	50 Hz	60 Hz		
Engine Speed	rpm		1800		
Gross Engine Power Prime	kW (hp)		406.5 (545)		
Gross Engine Power Standby	kW (hp)		461.7 (619)		
BMEP Prime	kPa (psi)		2168 (314.4)		
BMEP Standby	kPa (psi)		2461 (357)		



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)				
50 Hz Standby	l/hr (US gal		-			
60 Hz Prime	l/hr (US gal	/hr)	99.4 (26.3)	87.8 (23.2)	67.7 (17.9)	48.3 (12.8)
60 Hz Standby	l/hr (US gal	/hr)	-	99.4 (26.3)	76 (20.1)	53.9 (14.2)
(Based on diesel fuel with	a specific gravity o	of 0.85 and conforming	to BS2869 classA2,E	N590		
Air System			50	Hz	60 Hz	
Air Filter Type:					Non Canister	
Combustion Air Flow Pr	ime	m³/min (cfm)			26.9 (950)	
Combustion Air Flow St	andby	m³/min (cfm)			29 (1024)	
Max. Combustion Air Int	ake Restriction	kPa			6.4 (25.7)	
Cooling System			50	Hz	60 Hz	
Cooling System Capacit	у	l (US gal)			45.2 (11.9))
Water Pump Type:					Centrifugal	
Heat Rejected to Water	£ Lube Oil: Prime	e kW (Btu/min))		146.4 (832	26)
Heat Rejected to Water		· · · · · · · · · · · · · · · · · · ·			162.2 (922	24)
Heat Radiation to Room*: Prime kW (Btu/min)			65.7 (3736)			
Heat Radiation to Room*: Standby kW (Btu/min))	86 (3762)			
Radiator Fan Load:		kW (hp)		19 (25.5)		
Radiator Cooling Airflow	/ :	m³/min (cfm)	538.2 (19006)		
External Restriction to C		Pa (in H2O)		125 (0.5)		
*: Heat radiated from engin Designed to operate in amb Contact your local PEGC Po conditions.	pient conditions up wer Solutions Deal		: specific site			
Lubrication Syst	em				Fac Full floor	
Oil Filter Type:	(IIC == 1)				Eco, Full flow	
Total Oil Capacity:	l (US gal)				40 (10.6)	
Oil Pan Capacity:	l (US gal)			38 (10) API CH4 SAE15W-40		10
Oil Type: Oil Cooling Method:			API CH4 SAE15W-40 WATER			
-						
Exhaust System			50	Hz	60 Hz	
Maximum Allowable Bac		kPa (in Hg)			10 (3)	
Exhaust Gas Flow: Prime		m³/min (cfm)			75.5 (2666	
Exhaust Gas Flow: Stand	-	m³/min (cfm)			84.3 (2977	
Exhaust Gas Temperature		°C (°F)			618.2 (114	,
Exhaust Gas Temperatur	e: Standby	°C (°F)			680 (1256)



Alternator Physical Data	
No. of Bearings:	1
Insulation Class:	Н
Winding Pitch:	2/3
Winding Code	R1
Wires:	12
Ingress Protection Rating:	IP21
Excitation System:	SHUNT
AVR Model:	A106 MKII

Alternator Operating Data		
Overspeed: rpm		2250
Voltage Regulation: (Steady state)	%	+/- 1.0
Wave Form NEMA = TIF:		50
Wave Form IEC = THF:	%	2
Total Harmonic content LL/LN:	%	3
Radio Interference:		EN61000-6
Radiant Heat: 50 Hz	kW (Btu/min)	
Radiant Heat: 60 Hz	kW (Btu/min)	20.2 (1149)

Alternator Performance Data 50 Hz:

Voltage Code

Motor Starting Capability*	kVA				
Short Circuit Capacity**	%	300	300	300	300
Reactances	Xd				
	X'd				
	X"d				

		480/277 V	380/220 V			440/254 V
Voltage Code		240/139 V				220/127 V
Motor Starting Capability*	kVA	1340	839			1126
Short Circuit Capacity**	%	300	300	300	300	300
Reactances	Xd	3.167	4.765			3.77
	X'd	0.11	0.165			0.131
	X"d	0.1	0.151			0.119

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					
400/230V					
380/220V					
230/115V					
220/127V					
220/110V					
200/115V					
240V					
230V					
220V					

Output Ratings 60 Hz						
		Prime		Standby		
Voltage Code	kVA	kW	kVA	kW		
480/277V	437.5	350	500	400		
440/254V	437.5	350	500	400		
416/240V						
400/230V						
380/220V	412.5	330	453.8	363.04		
240/139V	437.5	350	500	400		
240/120V						
230/115V						
220/127V	431.8	345.44	475	380		
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.).