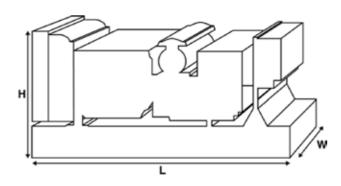


### **Output Ratings**

Voltage, Frequency		Prime	Standby
	kVA	400	450
	kW	320	360
	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	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:



<b>Ratings and Perform</b>	ance Data					
Engine Make		Perkins				
Engine Model:		2206A-E13TAG3				
Alternator Make						
Alternator Model:		29A320				
Control Panel:		100				
Base Frame:		Heavy Duty Fabricated Steel 3 Pole MCCB				
Circuit Breaker Type:						
Frequency:		50 HZ	60 HZ			
Engine Speed: RPM	rpm	1500				
Fuel Tank Capacity:	litres (US gal)	888 (234.58)				
Fuel Consumption Prime	litres (US gal)/hr	78.2 (20.7)				
Fuel Consumption Standby	litres (US gal)/hr	87.2 (23)				
Engine Technical Dat	а					
No. of Cylinders	-	6				
Alignment		IN LINE				
Cycle		4 STROKE				
Bore mr	n (in)	130 (5.1)				
	n (in)	157 (6.2)				
Induction		TURBOCHARGED AIR TO AIR CHAR	RGE COOLED			
Cooling Method		WATER				
Governing Type		ELECTRONIC				
Governing Class		ISO 8528 G2				
Compression Ratio		16.3:1				
Displacement L (d	cu. in)	12.5 (762.8)				
Moment of Inertia: kg	m² (lb/in²)	2.77 (9465)				
Voltage		24				
Ground		Negative				
Battery Charger Amps		70				
Engine Weight Dry kg	(lb)	1301 (2868)				
	(lb)	1351 (2978)				
Engine Performance	Data	50 Hz	60 Hz			
Engine Speed	rpm	1500				
Gross Engine Power Prime	kW (hp)	368.4 (494)				
Gross Engine Power Standby	kW (hp)	412.5 (553)				
BMEP Prime	kPa (psi)	2357 (341.9)				
		2639 (382.8)				



Fuel System							
Fuel Filter Type:				Re	placeable E	lement	
Recommended Fuel:				Cla	ass A2 Diese	el	
Fuel Consumption at			110 % Load	10	0 % Load	75 % Load	50 % Load
50 Hz Prime:	l/hr (US gal/hr)		87.2 (23)	78.	2 (20.7)	60 (15.9)	41.8 (11)
50 Hz Standby	l/hr (US gal/hr)		-	87.	2 (23)	66.7 (17.6)	46.4 (12.3)
60 Hz Prime	l/hr (US gal/hr)						
60 Hz Standby	l/hr (US gal/hr)		-				
(Based on diesel fuel with a spe	cific gravity of 0.8	35 and conforming	to BS2869 clas	sA2,EN590			
Air System				50 Hz		60 Hz	
Air Filter Type:						Non Canister	
Combustion Air Flow Prime	m	<sup>3</sup> /min (cfm)		24.3 (858)			
Combustion Air Flow Stand	by m	<sup>3</sup> /min (cfm)		26.4 (932)			
Max. Combustion Air Intake	Restriction k	Pa		6.4 (25.7)			
Cooling System				50 Hz		60 Hz	
Cooling System Capacity		l (US gal)		45.2 (11.9)			
Water Pump Type:				. /		Centrifugal	
Heat Rejected to Water & Lu	be Oil: Prime	kW (Btu/min)	)	127.3 (7239)			
Heat Rejected to Water & Lu		kW (Btu/min)		139.9 (7956)			
Heat Radiation to Room*: Pr		kW (Btu/min)		56.2 (3196)			
Heat Radiation to Room*: St	andby	kW (Btu/min)	)	64.7 (3679)			
Radiator Fan Load:		kW (hp)		14 (18.8)			
Radiator Cooling Airflow:		m³/min (cfm)	)	398.4 (14069	)		
External Restriction to Cooli	ng Airflow:	Pa (in H2O)		125 (0.5)			
*: Heat radiated from engine an Designed to operate in ambient Contact your local PEGC Power ! conditions.	conditions up to 5 Solutions Dealer fo	· · · · · · · · · · · · · · · · · · ·	specific site				
Oil Filter Type:						Eco, Full flow	
Total Oil Capacity:	(US gal)					40 (10.6)	
	(US gal)					38 (10)	
Oil Type:						API CH4 SAE15W-4	0
Oil Cooling Method:						WATER	
Exhaust System				50 Hz		60 Hz	
Maximum Allowable Back Pr	essure: kPa	(in Hg)		10 (3)			
Exhaust Gas Flow: Prime	m³/r	nin (cfm)		64.6 (2281)			
Exhaust Gas Flow: Standby	m³/r	nin (cfm)		72.5 (2560)			
Exhaust Gas Temperature: Pi	rime °C (°	F)		573 (1063)			
Exhaust Gas Temperature: St	tandby °C (°			630 (1166)			



Data				1 H			
				н			
				R1			
				12			
				IP21			
				SHUNT			
				A106 MKII			
Data							
ate)	%	%			+/- 1.0		
				50			
	%	% 2					
:	%	% 3					
		EN61000-6					
Radiant Heat: 50 Hz		kW (Btu/min) 24.9 (1416)					
ice Da	ta 50 Hz:	415/240 V	400/230 V	380/220 V			
			230 V				
kVA		973		805			
			300	300	300		
			3.32	3.494			
X'd		0.113		0.127			
X"d		0.11	0.11	0.116			
nce Da	ta 60 Hz						
k\/A							
%	300	300	300	300	300		
X'd							
	kVA % Xd X'd X'd MCE Da	ate) % % % % % % % % % % % % % % % % % % %	ate) % % % % % % % % % % % % % % % % % % %	ate)       %         %       %         :       %         kW (Btu/min) kW (Btu/min)	ate)       %       +/- 1.0         %       2         %       2         :       %         :       %         w(Btu/min)       24.9 (1416)         kW (Btu/min)       24.9 (1416)         kW (Btu/min)       230 V         230 V         kVA         973       895         805       %         300       300       300         Xd       3.084       3.32       3.494         X'd       0.113       0.121       0.127         X''d       0.11       0.11       0.116		

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	320	450	360		
400/230V	400	320	450	360		
380/220V	380	304	437	349.6		
230/115V	400	320	450	360		
220/127V						
220/110V						
200/115V						
240V						
230V						
220V						

### 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.