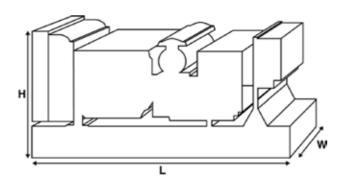


Output Ratings

Voltage, Frequency		Prime	Standby
	kVA	450	500
	kW	360	400
	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	2215 (87.2)			
Weight (Dry)	kg	3603 (7943)			
Weight (Wet)	kg	3661 (8071)			

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:		2506A-E15TAG1	2506A-E15TAG1				
Alternator Make			29A360				
Alternator Model:		29A360					
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)	888 (234.58)					
Fuel Consumption Prime	litres (US gal)/hr	91.3 (24.1)					
Fuel Consumption Standby	litres (US gal)/hr	101.5 (26.8)					
Engine Technical Da	ata						
No. of Cylinders		6					
Alignment		IN LINE					
Cycle		4 STROKE					
Bore r	mm (in)	137 (5.4)					
	mm (in)	171 (6.7)					
Induction		TURBOCHARGED AIR TO) AIR CHARGE COOLED				
Cooling Method		WATER					
Governing Type		ELECTRONIC					
Governing Class		ISO 8528 G2					
Compression Ratio		16.0:1					
	_ (cu. in)	15.2 (927.6)					
Moment of Inertia:	kg m² (lb/in²)	4.29 (14660)					
Voltage		24					
Ground		Negative					
Battery Charger Amps		70					
	<g (lb)<="" td=""><td>1633 (3600)</td><td></td><td></td></g>	1633 (3600)					
	(g (lb)	1714 (3779)					
Engine Performanc	e Data	50 Hz	60 Hz				
Engine Speed	rpm	1500					
Gross Engine Power Prime	kW (hp)	412 (553)					
Gross Engine Power Standb		451 (605)					
BMEP Prime		2235 (316.1)					
BMEP Standby	kPa (psi) kPa (psi)	2447 (346)					
DMER Stanuby	νια (μοι)	2.1.7 (3.10)					



Fuel System						
Fuel Filter Type:				Replaceable	Element	
Recommended Fuel:				Class A2 Die	sel	
Fuel Consumption at			110 % Load	100 % Load	75 % Loa	ad 50 % Load
50 Hz Prime:	l/hr (US gal/	hr)	101.5 (26.8)	91.3 (24.1)	69.6 (18.4	4) 49.6 (13.1)
50 Hz Standby	l/hr (US gal/	hr)	-	101.5 (26.8)	76.6 (20.2	2) 54 (14.3)
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	0.82 and conforming	to BS2869 class	A2,EN590		
Air System				50 Hz	60	0 Hz
Air Filter Type:					Non Caniste	r
Combustion Air Flow Pr	ime	m ³ /min (cfm)	;	25.8 (911)		
Combustion Air Flow St	andby	m ³ /min (cfm)		30.5 (1077)		
Max. Combustion Air Int	ake Restriction	kPa		6.2 (24.9)		
Cooling System				50 Hz	6	0 Hz
Cooling System Capacit	у	l (US gal)		58.1 (15.3)		
Water Pump Type:	- 				Centrifugal	
Heat Rejected to Water	& Lube Oil: Prime	kW (Btu/min))	134 (7620)		
Heat Rejected to Water	& Lube Oil: Stand	by kW (Btu/min))	147 (8360)		
Heat Radiation to Room	*: Prime	kW (Btu/min))	51.2 (2912)		
Heat Radiation to Room	*: Standby	kW (Btu/min))	57.9 (3293)		
Radiator Fan Load:		kW (hp)		13.7 (18.4)		
Radiator Cooling Airflow	V :	m³/min (cfm))	476.4 (16824)		
External Restriction to C	ooling Airflow:	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 Deale		specific site			
Lubrication Syst Oil Filter Type:	em				Eco, Full Flo	w
Total Oil Capacity:	l (US gal)				62 (16.4)	
iotat on capacity.	l (US gal)				53 (14)	
Oil Pan Canacity	(US gat)				API CI4 15W	/-40
Oil Pan Capacity:					WATER	
Oil Pan Capacity: Oil Type: Oil Cooling Method:						
Oil Type: Oil Cooling Method:				50 H-7) U-
Oil Type: Oil Cooling Method: Exhaust System	ek Droceuros	Pa (in Ha)		50 Hz		0 Hz
Oil Type: Oil Cooling Method: Exhaust System Maximum Allowable Bac		Pa (in Hg)		6.8 (2)		0 Hz
Oil Type: Oil Cooling Method: Exhaust System Maximum Allowable Bac Exhaust Gas Flow: Prime	e n	³ /min (cfm)		6.8 (2) 71.4 (2521)		0 Hz
Oil Type: Oil Cooling Method: Exhaust System Maximum Allowable Bac	e m Iby m			6.8 (2)		D Hz



Alternator Physical	Data						
No. of Bearings:					1		
Insulation Class: Winding Pitch: Winding Code Wires:						Н	
					R1		
					12		
Ingress Protection Rating:						IP21 SHUNT A106 MKII	
Excitation System:					SHUNT		
AVR Model:							
dependant on voltage code selected	ł						
Alternator Operatin	g Data						
Overspeed: rpm					2250		
Voltage Regulation: (Steady	state)	%			+/- 1.0		
Wave Form NEMA = TIF:					50		
Wave Form IEC = THF:		%			2		
Total Harmonic content LL/L	_N:	%			3	3	
Radio Interference:			kW (Btu/min)			EN61000-6 26.7 (1518)	
Radiant Heat: 50 Hz		kW (Btu/min)					
Radiant Heat: 60 Hz		kW (Btu/min)	kW (Btu/min)				
Alternator Performa							
			44E (2.40.).	400 (220)/	200 (220)/		
			415/240 V	400/230 V	380/220 V		
Voltage Code							
				230 V			
Motor Starting Capability*	kVA		1439	1339	1207		
Short Circuit Capacity**	%						
			300	300	300	300	
Reactances	Xd		3.083	3.119	3.283	300	
Reactances	X'd		3.083 0.105	3.119 0.114	3.283 0.12	300	
Reactances			3.083	3.119	3.283	300	
Reactances Alternator Performa	X'd X"d	nta 60 Hz	3.083 0.105	3.119 0.114	3.283 0.12	300	
	X'd X"d	nta 60 Hz	3.083 0.105	3.119 0.114	3.283 0.12	300	
Alternator Performa Voltage Code	X'd X"d	ita 60 Hz	3.083 0.105	3.119 0.114	3.283 0.12	300	
Alternator Performa Voltage Code Motor Starting Capability*	X'd X"d	ita 60 Hz 300	3.083 0.105	3.119 0.114	3.283 0.12	300	
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	X'd X"d Ance Da kVA %		3.083 0.105 0.103	3.119 0.114 0.103	3.283 0.12 0.108		
Alternator Performa Voltage Code Motor Starting Capability*	X'd X"d ance Da		3.083 0.105 0.103	3.119 0.114 0.103	3.283 0.12 0.108		

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	S	tandby		
Voltage Code	kVA	kW	kVA	kW		
415/240V	450	360	500	400		
400/230V	450	360	500	400		
380/220V	427.5	342	491.6	393.28		
230/115V	450	360	500	400		
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.