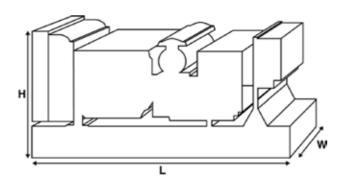


Output Ratings

,	Voltage, Frequency		Prime	Standby
	k٧	Ά	500	550
	k١	N	400	440
	k٧	Ά		
	k	N		

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	3787 (149.1)				
Width	mm	1481 (58.3)				
Height	mm	2193.4 (86.4)				
Weight (Dry)	kg	3784 (8342)				
Weight (Wet)	kg	3832 (8448)				

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	ance Data					
Engine Make		Perkins				
Engine Model:		2506D-E15TAG2				
Alternator Make						
Alternator Model:		29A400				
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)	1083 (286.1)				
Fuel Consumption Prime	litres (US gal)/hr	104 (27.5)				
Fuel Consumption Standby	litres (US gal)/hr	113.9 (30.1)				
Engine Technical Dat	.a					
No. of Cylinders		6				
Alignment		IN LINE				
Cycle		4 STROKE				
Bore mi	n (in)	137 (5.4)				
	m (in)	171 (6.7)				
Induction		TURBOCHARGED AIR TO	AIR CHARGE COOLED			
Cooling Method		WATER				
Governing Type		ELECTRONIC				
Governing Class		ISO 8528 G2				
Compression Ratio		17.0:1				
	cu. in)	15.2 (927.6)				
Moment of Inertia: kg	m² (lb/in²)	4.29 (14660)				
Voltage		24				
Ground		Negative				
Battery Charger Amps		70				
	(lb)	1633 (3600)				
	(lb)	1714 (3779)				
Engine Derformance	Data	50 Hz	60 Hz			
Engine Performance		1500	00112			
0 1	rpm	453 (607)				
Gross Engine Power Prime	kW (hp)	497 (666)				
Gross Engine Power Standby	kW (hp)					
BMEP Prime	kPa (psi)	2396 (347.5)				
BMEP Standby	kPa (psi)	2628 (381.3)				



Fuel System					
Fuel Filter Type:		Replaceable Eler	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)	113.9 (30.1)	104 (27.5)	80.7 (21.3)	58.7 (15.5)
50 Hz Standby	l/hr (US gal/hr)	-	113.9 (30.1)	87.5 (23.1)	63 (16.6)
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 classA2, EN590 $\,$

Air System		50 Hz	60 Hz	
Air Filter Type:			Paper Element	
Combustion Air Flow Prime	m ³ /min (cfm)	34.5 (1218)		
Combustion Air Flow Standby	m³/min (cfm)	36 (1271)		
Max. Combustion Air Intake Restriction	kPa	6.2 (24.9)		
Cooling System		50 Hz	60 Hz	
Cooling System Capacity	l (US gal)	48 (12.7)		
Water Pump Type:			Centrifugal	
Heat Rejected to Water & Lube Oil: Prime	kW (Btu/min)	170 (9668)		
Heat Rejected to Water & Lube Oil: Standb	y kW (Btu/min)	185 (10521)		
Heat Radiation to Room*: Prime	kW (Btu/min)	50 (2843)		
Heat Radiation to Room*: Standby	kW (Btu/min)	62.5 (3554)		
Radiator Fan Load:	kW (hp)	18.2 (24.4)		
Radiator Cooling Airflow:	m³/min (cfm)	555 (19600)		
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 Contact your local PEGC Power Solutions Dealer conditions.		: site		
Lubrication System				
Oil Filter Type:			Eco, Full flow	
Total Oil Capacity: l (US gal)				
iotat on Capacity. (US gat)			62 (16.4)	
Oil Pan Capacity:I (US gal)			62 (16.4) 53 (14)	
Oil Pan Capacity: l (US gal)			53 (14)	
Oil Pan Capacity: l (US gal) Oil Type:		50 Hz	53 (14) API CI4 15W-40	
Oil Pan Capacity: l (US gal) Oil Type: Oil Cooling Method: Exhaust System	a (in Hg)	50 Hz 10 (3)	53 (14) API CI4 15W-40 WATER	
Oil Pan Capacity: l (US gal) Oil Type: Oil Cooling Method: Exhaust System Maximum Allowable Back Pressure: kPa	a (in Hg) F/min (cfm)		53 (14) API CI4 15W-40 WATER	
Oil Pan Capacity: l (US gal) Oil Type: Oil Cooling Method: Exhaust System Maximum Allowable Back Pressure: kPr Exhaust Gas Flow: Prime m ³		10 (3)	53 (14) API CI4 15W-40 WATER	
Oil Pan Capacity:l (US gal)Oil Type:	/min (cfm)	10 (3) 84 (2966)	53 (14) API CI4 15W-40 WATER	



	Data												
No. of Bearings:					1								
Insulation Class:					Н								
Winding Pitch:					2/3								
Winding Code Wires: Ingress Protection Rating: Excitation System:					R1 12 IP21 SHUNT								
							AVR Model:					A106 MKII	
							dependant on voltage code selected	t					
							Alternator Operatin	g Data					
Overspeed: rpm			2250										
Voltage Regulation: (Steady	state)	%	6 +/- 1.0										
Wave Form NEMA = TIF:					50								
Wave Form IEC = THF:		%	% 2 % 3										
Total Harmonic content LL/L	.N:	%				3							
Radio Interference:					EN61000-6								
Radiant Heat: 50 Hz		kW (Btu/min)	kW (Btu/min) 27.5 (1564)										
Radiant Heat: 60 Hz		kW (Btu/min)											
	B												
Alternator Performa	ance Da	ita 50 Hz:											
	ance Da	ita 50 Hz:	415/240 V	400/230 V	380/220 V								
	ance Da	ita 50 Hz:	415/240 V	400/230 V	380/220 V								
	ance Da	ita 50 Hz:	415/240 V	400/230 V 230 V	380/220 V								
Voltage Code	kVA	ita 50 Hz:	415/240 V 1555		380/220 V 1326								
Voltage Code Motor Starting Capability*		ita 50 Hz:		230 V		300							
Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA	ita 50 Hz:	1555	230 V 1455	1326	300							
Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA %	ita 50 Hz:	1555 300	230 V 1455 300	1326 300	300							
Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA % Xd	ita 50 Hz:	1555 300 2.85	230 V 1455 300 3.07	1326 300 3.4	300							
Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa	kVA % Xd X'd X"d		1555 300 2.85 0.15	230 V 1455 300 3.07 0.16	1326 300 3.4 0.18	300							
Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances	kVA % Xd X'd X"d		1555 300 2.85 0.15	230 V 1455 300 3.07 0.16	1326 300 3.4 0.18	300							
Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa	kVA % Xd X'd X"d		1555 300 2.85 0.15	230 V 1455 300 3.07 0.16	1326 300 3.4 0.18	300							
Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa Voltage Code Motor Starting Capability*	kVA % Xd X'd X'd X''d Ance Da	ita 60 Hz	1555 300 2.85 0.15 0.111	230 V 1455 300 3.07 0.16 0.111	1326 300 3.4 0.18 0.123								
Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa	kVA % Xd X'd X"d Ance Da		1555 300 2.85 0.15	230 V 1455 300 3.07 0.16	1326 300 3.4 0.18	300							
Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa Voltage Code Motor Starting Capability*	kVA % Xd X'd X'd X''d	ita 60 Hz	1555 300 2.85 0.15 0.111	230 V 1455 300 3.07 0.16 0.111	1326 300 3.4 0.18 0.123								
Voltage Code Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	kVA % Xd X'd X''d X''d Ance Da	ita 60 Hz	1555 300 2.85 0.15 0.111	230 V 1455 300 3.07 0.16 0.111	1326 300 3.4 0.18 0.123								

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 500 400 550 440 400/230V 500 550 440 400 380/220V 475 380 546.3 437.04 230/115V 550 440 500 400 220/127V 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.