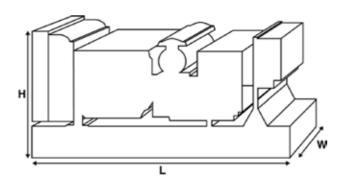


Output Ratings

Voltage, Frequency		Prime	Standby
	kVA	1500	1650
	kW	1200	1320
	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	5044 (198.6)		
Width	mm	2200 (86.6)		
Height	mm	2461 (96.9)		
Weight (Dry)	kg	10181 (22445)		
Weight (Wet)	kg	10388 (22902)		

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:

www.pegcpowersolutions.com



erkins
042 4(TAC2A
012-46TAG2A
224N
7410
eavy Duty Fabricated Steel
ptions Available
0 HZ 60 HZ
500
/A (N/A)
96.6 (78.4)
26.3 (86.2)
2
- EE
STROKE
60 (6.3)
90 (7.5)
URBOCHARGED AIR TO AIR CHARGE COOLED
ATER
LECTRONIC
0 8528
.0:1
5.8 (2797.5)
9.3 (65951)
legative
400 (9700) 604 (10150)
604 (10150)
60 Hz 60 Hz
500
331 (1785)
459 (1957)
323 (336.9)
546 (369.3)
7 e P 0 0 0 0 0 0 0 0 0 0 0 0 0



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)	326.3 (86.2)	296.6 (78.4)	225.7 (59.6)	159.8 (42.2)
50 Hz Standby	l/hr (US gal/hr)	-	326.3 (86.2)	246.4 (65.1)	172.6 (45.6)
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 0.85 and conforming to BS2869, class A2 $\,$

Air System		50 Hz	60 Hz	
Air Filter Type:			Replaceable Element	
Combustion Air Flow Prime	m³/min (cfm)	120 (4238)		
Combustion Air Flow Standby	m³/min (cfm)	128 (4520)		
Max. Combustion Air Intake Restriction	kPa	4 (16.1)		
Cooling System		50 Hz	60 Hz	
Cooling System Capacity	l (US gal)	218 (57.6)		
Water Pump Type:			Centrifugal	
Heat Rejected to Water & Lube Oil: Prim	ne kW (Btu/min)	457 (25989)		
Heat Rejected to Water & Lube Oil: Star	ndby kW (Btu/min)	501 (28491)		
Heat Radiation to Room*: Prime	kW (Btu/min)	156.5 (8900)		
Heat Radiation to Room*: Standby	kW (Btu/min)	173.6 (9872)		
Radiator Fan Load:	kW (hp)	45 (60.4)		
Radiator Cooling Airflow:	m³/min (cfm)	1524 (53820)		
External Restriction to Cooling Airflow: Pa (in H2O)		250 (1)		
*: Heat radiated from engine and alternator				
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions.		site		
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea		site		
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions.		: site	Spin-On, Full Flow	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions.		: site	Spin-On, Full Flow 177 (46.8)	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions. Lubrication System Oil Filter Type:		: site	1	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions. Dil Filter Type: Total Oil Capacity: l (US gal)		: site	177 (46.8)	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions. Lubrication System Oil Filter Type: Total Oil Capacity: l (US gal) Oil Pan Capacity: l (US gal)		: site	177 (46.8) 159 (42)	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions. Dil Filter Type: Total Oil Capacity: l (US gal) Oil Pan Capacity: l (US gal) Oil Type:		50 Hz	177 (46.8) 159 (42) API CH4 15W-40	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions.			177 (46.8) 159 (42) API CH4 15W-40 WATER	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions. Lubrication System Oil Filter Type: Total Oil Capacity: l (US gal) Oil Pan Capacity: l (US gal) Oil Type: Oil Cooling Method: Exhaust System	aler for power ratings at specific	50 Hz	177 (46.8) 159 (42) API CH4 15W-40 WATER	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions.	aler for power ratings at specific	50 Hz 5 (1.5)	177 (46.8) 159 (42) API CH4 15W-40 WATER	
Designed to operate in ambient conditions u Contact your local PEGC Power Solutions Dea conditions. Lubrication System Oil Filter Type: Total Oil Capacity: l (US gal) Oil Pan Capacity: l (US gal) Oil Type: Oil Cooling Method: Exhaust System Maximum Allowable Back Pressure: Exhaust Gas Flow: Prime	kPa (in Hg) m³/min (cfm)	50 Hz 5 (1.5) 320 (11301)	177 (46.8) 159 (42) API CH4 15W-40 WATER	



Alternator Physical	Data					
No. of Bearings:					1	
nsulation Class:					Н	
Winding Pitch:				2/3		
Winding Code				6S		
Wires:				6		
Ingress Protection Rating:					IP23	
Excitation System:				AREP		
AVR Model:					R450M/D350	
dependant on voltage code selected	d					
Alternator Operatin	ng Data					
Overspeed: rpm					2250	
Voltage Regulation: (Steady s	state)	%			+/- 0.5	
Wave Form NEMA = TIF:					50	
Wave Form IEC = THF:		%			2	
Total Harmonic content LL/L	_N:	%		3.5		
Radio Interference:				EN61000-6		
Radiant Heat: 50 Hz		kW (Btu/min)		66.6 (3787)		
Radiant Heat: 60 Hz kW (Btu/min)						
Voltage Code			415/240 V	400/230 V	380/220 V	
	kVA		3924	3658	3316	4385
Motor Starting Capability*						4300
	%		300	300	300	300
Short Circuit Capacity**			300 3.51	300 3.778	300 4.186	
Short Circuit Capacity**	%					300
Short Circuit Capacity**	% Xd		3.51	3.778	4.186	300 3.122
Motor Starting Capability* Short Circuit Capacity** Reactances Alternator Performa	% Xd X'd X"d	ita 60 Hz	3.51 0.226	3.778 0.244	4.186 0.27	300 3.122 0.201
Short Circuit Capacity** Reactances	% Xd X'd X"d	ita 60 Hz	3.51 0.226	3.778 0.244	4.186 0.27	300 3.122 0.201
Short Circuit Capacity** Reactances Alternator Performa	% Xd X'd X"d	ita 60 Hz	3.51 0.226	3.778 0.244	4.186 0.27	300 3.122 0.201
Short Circuit Capacity** Reactances Alternator Performa Voltage Code Motor Starting Capability*	% Xd X'd X''d ance Da		3.51 0.226 0.136	3.778 0.244 0.136	4.186 0.27 0.151	300 3.122 0.201
Short Circuit Capacity** Reactances Alternator Performa Voltage Code Motor Starting Capability* Short Circuit Capacity**	% Xd X'd X''d Ance Da	ita 60 Hz 300	3.51 0.226	3.778 0.244	4.186 0.27	300 3.122 0.201 0.112
Short Circuit Capacity** Reactances Alternator Performa Voltage Code Motor Starting Capability*	% Xd X'd X''d ance Da		3.51 0.226 0.136	3.778 0.244 0.136	4.186 0.27 0.151	300 3.122 0.201 0.112

** With optional independant excitation system (PMG / AUX winding)



Output Ratings	50 Hz				
		Prime	:	Standby	
Voltage Code	kVA	kW	kVA	kW	
415/240V	1500	1200	1650	1320	
400/230V	1500	1200	1650	1320	
380/220V	1500	1200	1650	1320	
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					
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.