

Output Ratings			
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>	
380-415V, 50Hz	750kVA / 600kW	825kVA / 660kW	
480V 60Hz	_	_	

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
3995/6078	1650/2468	2285/3300	4911/9600	5016/9705
Dry: With Lube Oil	Wet: Wi	th Lube Oil & Coolant		

Without canopy/ with canopy

uel System

Lubrication System	
Engine Model :	Perkins 4006TAG2A
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	160.0 / 190.0
Induction:	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	13.6:1
Displacement [lt]:	22.9
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	40

Lubrication System	
Total Oil Capacity [lt]:	113.4
Oil Type :	API CG-4 15W-40
Oil Cooling Method :	Water

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Fuel Filter Type :			Replaceable Element		
Recommended Fuel : Class A2 Diesel					
Fuel Consumption [It]	:				
	110%	100%	75%	50%	

50Hz	173.2	156.4	117.1	77.7
60Hz	-	-	-	-
	4400/	4000/	750/	500/

	110%	100%	75%	50%
Standby	Load	Load	Load	Load
50Hz		173.2	129.0	85.4
60Hz		-	-	-

(Based on diesel fuel with a spec. gravity of 0,84 and complied with BS2869, Class A2)  $\,$ 

Alternator Data	
Manufacturer :	Stamford
Model :	PRO 35LH/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch:	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	95.6%
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Appearent power [kVA]:	900

Cooling System		50Hz	60Hz
Cooling System Capacity [lt]:		105.0	-
Heat rejected to Water & Lube Oil	[kW]:		
	Prime	221.0	-
	Standby	240.0	-
Heat Radiation to Room [kW]:			
	Prime	55.0	-
	Standby	76.0	-
Radiator Fan Load [kW]:		22.0	-
Radiator Cooling Air Flow [m³/min	]:	1200.0	-
External Restrictions to:			
Cooling Airflow [Pa] :		TBA	-

Exhaust System		50Hz	60Hz
Max. Allowable Back Pressure [	kPa] :		
		610	-
Exhaust Gas Flow [m³/min]:			
	Prime	-	-
	Standby	180.0	-
Exhaust Gas Temp. $[^{\circ}C]$ :			
	Prime	-	-
	Standby	430	-
Performance		50Hz	60Hz
Engine Speed [rpm]:		1500	-
Gross Engine Power [kW]:			
	Prime	646.0	-
	Standby	711.0	-

Air Systems		50Hz	60Hz
Air Filter Type :		Replaceabl	e Element
Combustion Air Flow [m³/min]:			
	Prime	64.0	-
	Standby	71.0	-
Max. Combustion Air Intake			
Restriction [kPa]:		380	-

## Available Options

Diamond offers a range of optional features to tailor our gensets to meet your power requirements.

Options:

- \* A wide range of Sound Attenuated Enclosures
- \* A variety of generating 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 for this product, please contact  $\ensuremath{\mathsf{DIAMOND}}$  or

visit www.diamondcable.com.tr

1-Prime Rating: These ratings are applicable for supplying continuous electrical power (at variable load) of commercially purchased power. There is no limitation to the annual hours of operation, this model can supply 10% overload power 1 hour in each 12 hours.

2-Standby Rating: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of an utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528)