

Output Ratings			
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>	
380-415V, 50Hz	300 kVA / 240 kW	330 kVA / 264 kW	
480V 60Hz	_	_	

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
3350/4260	1300/1300	1590/1980	2915/3510	
Dry: With Lube Oil	Dil Wet: With Lube Oil & Coolant			

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	Perkins 1606A-E93TAG5
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	117 / 146
Induction:	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	
Displacement [It]:	9.3
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	45

Cooling System		50Hz	
Cooling System Capacity [It]:		31	
Heat rejected to Water & Lube	Oil [kW]:		
	Prime	123	
	Standby	132	
Heat Radiation to Room [kW] :			
	Prime	10	
	Standby		
Radiator Fan Load [kW]:		10	
Radiator Cooling Air Flow [m³/min]:		609	

Lubrication System	
Toplam Yağ Hacmi [lt] :	36
Yağ Tipi:	API CH4 15W-40
Yağ Soğutma Methodu:	Water

Fuel System	
Fuel Filter Type :	Replaceable Element
Recommended Fuel:	Class A2 Diesel
Fuel Consumption [It]:	

Fuel Consumpt	ion [lt] :			
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	66	61	47	34

Exhaust System		50Hz
Max. Allowable Back Pressure [kPa]	:	10
Exhaust Gas Flow [m³/min]:		
	Prime	44
	Standby	48
Exhaust Gas Temp. [°C]:		

Standby

Performance		50Hz	
Engine Speed [rpm] :			
Gross Engine Power [kW]:			
	Prime	267	
	Standby	293	

410

Air Systems		50Hz	
Air Filter Type :	Replaceable Element		
Combustion Air Flow [m³/min]:			
	Prime	18	
	Standby	19	

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

Alternator Data	
Alternator Data	
Manufacturer :	Linz Electric
Model:	PRO28ME/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	92.9%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	3.0%
Appearent power [kVA]:	325
Radiant Heat [Kw]:	
50Hz	
60Hz	_

## 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  $\operatorname{DIAMOND}$  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)