

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	250kVA / 200kW	275kVA / 220kW	
480V. 60Hz	-	-	

Ratings are given at 0,8 power factor

Dimension & Weight					
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]	
2750/3640	1250/1250	1720/2100	1950/2590		
Dry: With Lube Oil	y: With Lube Oil Wet: With Lube Oil & Coolant				

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	Perkins 1506A-E88TAG3
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	112 / 149
Induction:	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	16.1:1
Displacement [lt]:	8.8
Electrical Sys. Voltage	24 / Negative

Lubrication System	
Total Oil Capacity [lt]:	41
Oil Type :	API CI-4 15W-40
Oil Cooling Method :	Water

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

	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	61	56	42	29
60Hz	-	-	-	-

	110%	100%	75%	50%
Standby	Load	Load	Load	Load
50Hz				
60Hz		-	-	-

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

Alternator Data		
Manufacturer :	Linz Electric	
Model:	PRO28S D/4	
No. of Bearings :	Single	
Insulation Class:	н	
Winding Pitch :	2/3	
Number of Wire :	12	
Protection Class:	IP23	
Efficiency:	92.7%	
Voltage Regulation (Steady State) :	1.0%	
Total Harmonic Content:	3.0%	
Appearent power [kVA]:	280	

Cooling System		50Hz	60Hz
Cooling System Capacity [lt]:		45.3	-
Heat rejected to Water & Lube Oil	[kW]:		
	Prime	103.0	-
	Standby	110.0	-
Heat Radiation to Room [kW] :			
	Prime	54.5	-
	Standby	58.5	-
Radiator Fan Load [kW]:		7.0	-
Radiator Cooling Air Flow [m ³ /min]:	424.2	-
External Restrictions to :			
Cooling Airflow [Pa]:		125	-

Exhaust System		50Hz	60Hz
Max. Allowable Back Pressure [kPa] :		
		10.7	-
Exhaust Gas Flow [m³/min]:			
	Prime	-	-
	Standby	44.5	-
Exhaust Gas Temp. $[^{\circ}C]$:			
	Prime	-	-
	Standby	528	-
Performance		50Hz	60Hz
Engine Speed [rpm]:		1500	-
Gross Engine Power [kW]:			

Air Systems		50Hz	60Hz
Air Filter Type :		Replaceable	e Element
Combustion Air Flow [m³/min]:			
	Prime	16.4	-
	Standby	16.4	-
Max. Combustion Air Intake			
Restriction [kPa] :		6.2	-

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Prime

Standby

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 DIAMOND or

visitwww.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)