

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	180 kVA / 144 kW	200 kVA / 160 kW	
480V 60H-			

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
2650/3440	1100/1100	1480/1950	1550/1920	
Dry: With Lube Oil	Wet: With Lube Oil & Coolant			

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	Perkins 1106A-70TAG3
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	105 / 135
Induction:	Turbocharged CAC
Cooling Method :	Water
Cooling Method : Governor Type :	Water Electronic
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Governor Type :	Electronic
Governor Type : Compression Ratio :	Electronic 16:01

Cooling System		50Hz	
Cooling System Capacity [It]:		21	
Heat rejected to Water & Lube 0	Oil [kW]:		
	Prime	81.5	
	Standby	88.3	
Heat Radiation to Room [kW] :			
	Prime	17.2	
	Standby	19.5	
Radiator Fan Load [kW] :		8	
Radiator Cooling Air Flow [m³/r	min] :		

Lubrication System	
Total Oil Capacity [lt]:	16.5
Oil Type :	API CH4/CG4 15W-40
Oil Cooling Method :	Water

Fuel System				
Fuel Filter Type :			Replaceable Eleme	nt
Recommended Fuel	:		Class A2 Diesel	
Fuel Consumption [It	t]:			
	1100/	100%	750/	E09/

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	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	51	46.4	35.3	22.7

Exhaust System		50Hz
Max. Allowable Back Pressure [kPa]	:	
		6
Exhaust Gas Flow [m³/min]:		
	Prime	35.4
	Standby	38.3
Exhaust Gas Temp. $[^{\circ}C]$:		
	Prime	485
	Standby	
Performance		50Hz
Engine Speed [rpm]:		1500
Gross Engine Power [kW]:		
	Prime	180.5
	Standby	199.7

Air Systems		50Hz
Air Filter Type :	Replaceable Element	
Combustion Air Flow [m³/min] :		
	Prime	15.45
	Standby	16.3

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

Alternator Data	
Manufacturer :	Linz Electric
Model :	PRO28S A/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	91.8%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	200

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)

Standard Reference Conditions: Standart reference conditions 25°C Air Inlet Temp. 100m, 30% relative humidity.