

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	150kVA / 120kW	165kVA / 132kW	
180V. 60Hz	<u>-</u>	-	

Ratings are given at 0,8 power factor

Dimension & Weight					
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]	
2650/3440	1000/1000	1480/1950	1450/1820		
Dry: With Lubo Oil	Wat: With Luba Oil & Coolant				

Without canopy/ with canopy

Engine Technical Data		
Engine Model :	Perkins ,1106A-70TAG2	
Number of Cylinders:	6 / Inline	
Cycle :	4 Stroke	
Bore / Stroke [mm] :	105 / 135	
Induction:	Turbocharged CAC	
Cooling Method:	Water	
Governor Type :	Electronic	
Governor Type : Compression Ratio :	Electronic 16.0:1	
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Compression Ratio :	16.0:1	

Cooling System		50Hz
Cooling System Capacity [lt]:		21
Heat rejected to Water & Lube Oil	[kW]:	
	Prime	69.1
	Standby	75.7
Heat Radiation to Room [kW]:		
	Prime	11
	Standby	12.2
Radiator Fan Load [kW]:		5
Radiator Cooling Air Flow [m³/mi	n] :	282

Lubrication System	
Total Oil Capacity [lt]:	16.5
Oil Type :	API CH4 or CI4
Oil Cooling Method :	Water

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

ruei Consumption [it] .				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	36.1	33.4	24.7	16.4
60U-				

Exhaust System		50Hz	
Max. Allowable Back Pressure [kP	a]:		
		6.0	
Exhaust Gas Flow [m ³ /min]:			
	Prime	29.1	
	Standby	31.3	
Exhaust Gas Temp. $[^{\circ}C]$:			
	Prime	484	
	Standby	404	

Performance		50Hz
Engine Speed [rpm] :		1500
Gross Engine Power [kW]:		
	Prime	136
	Standby	153

Air Systems		50Hz
Air Filter Type :		Replaceable Element
Combustion Air Flow [m³/min]:		
	Prime	10.1
	Standby	10.6

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

Alternator Data	
Manufacturer :	Linz Electric
Model :	PRO22M F/4
No. of Bearings :	Single
Insulation Class:	Н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	92.6%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	169.5

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 $\,$

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)