

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	350kVA / 280kW	375kVA / 300kW	
480V, 60Hz	TBA	TBA	

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
3350/4260	1300/1300	1730/1980	2910/3510	TBA
Dry: With Lube Oil	Wet: Wit	h Lube Oil & Coolant		

Without canopy/ with canopy

50Hz

60Hz

Engine Technical Data	
Engine Model :	Volvo TAD1342GE
Number of Cylinders:	6 / Inline
Cycle:	4 Stroke
Bore / Stroke [mm] :	131 / 158
Induction:	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	18.1:1
Displacement [lt]:	12,78
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	80A

Lubrication System	
Total Oil Capacity [lt]:	36
Oil Type :	API: CG-4, CH-4 15W-40
Oil Cooling Method :	Water

Fuel System				
Fuel Filter Type :			Replaceable Elem	ent
Recommended Fuel	:		ASTM-D975-No1	and 2-D
Fuel Consumption [lt]:			
	110%	100%	75%	50%

00112	-	-	-	-	
	110%	100%	75%	50%	
Standby	Load	Load	Load	Load	
50Hz		77,9	59,1	40,4	

71,1

53,9

37,4

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

77,9

Alternator Data	
Manufacturer :	Linz Electric
Model :	PRO28MF/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	93.7%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	375

Cooling System		50Hz	60Hz
Cooling System Capacity [It]:		44	-
Heat rejected to Water & Lube Oil	[kW]:		
	Prime	134	-
	Standby	144	-
Heat Radiation to Room [kW] :			
	Prime	-	-
	Standby	-	-
Radiator Fan Load [kW]:		10	-
Radiator Cooling Air Flow [m³/min]:	348	-
External Restrictions to:			
Cooling Airflow [Pa] :		250	-

Exhaust System		50Hz	60Hz
Max. Allowable Back Pressure [kPa	a]:		
		10.0	-
Exhaust Gas Flow [m³/min]:			
	Prime	53,8	-
	Standby	57,0	-
Exhaust Gas Temp. $[^{\circ}C]$:			
	Prime	395	-
	Standby	408	-
Performance		50Hz	60Hz
Engine Speed [rpm]:		1500	-

Air Systems		50Hz	60Hz
Air Filter Type :		Replaceable Element	
Combustion Air Flow [m³/min]:			
	Prime	24.6	-
	Standby	25.9	-
Max. Combustion Air Intake			
Restriction [kPa]:		5.0	-

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Prime

Standby

Available Options

Gross Engine Power [kW]:

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

visit www.diamondcable.com.tr

* 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

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)