

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	380kVA / 304kW	417kVA / 333kW	
480V, 60Hz	TBA	ТВА	

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	3022/3622	-	
Dry: With Lube Oil	Wet: Wit	th Lube Oil & Coolant			

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	Volvo TAD1343GE
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	24V/Negative
Battery Charger Amps.	80A

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

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

	110%	100%	75%	50%
60Hz	-	-	-	-
50Hz	83,7	76,6	57,7	39,9

83,7

63,2

43,9

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

50Hz

60Hz

Alternator Data	
Manufacturer :	Linz Electric
Model :	PRO28LG/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	93.8%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	420

Cooling System		50Hz	60Hz
Cooling System Capacity [It]:		24.0	-
Heat rejected to Water & Lube C	Oil [kW]:		
	Prime	141	-
	Standby	152	-
Heat Radiation to Room [kW] :			
	Prime	12	-
	Standby	13	-
Radiator Fan Load [kW] :		10	-
Radiator Cooling Air Flow [m ³ /n	nin] :	419	-
External Restrictions to :			
Cooling Airflow [Pa] :		78	-

Exhaust System		50Hz	60Hz
Max. Allowable Back Pressure [kPa] :		
		10.0	-
Exhaust Gas Flow [m³/min]:			
	Prime	56.0	-
	Standby	60.0	-
Exhaust Gas Temp. $[^{\circ}C]$:			
	Prime	400	-
	Standby	420	-
Performance		50Hz	60Hz
Engine Speed [rpm]:		1500	-
Gross Engine Power [kW]:			

Air Systems		50Hz	60Hz
Air Filter Type :		Replaceable Eler	nent
Combustion Air Flow [m³/min]:			
	Prime	26	-
	Standby	27	-
Max. Combustion Air Intake			
Restriction [kPa]:		5.0	-

335

366

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 $\operatorname{DIAMOND}$ 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)