

DIA-V 200

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

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
2750/3640	1250/1250	1680/2100	1690/2330	
Dry: With Lube Oil Wet: With Lube Oil & Coolant				

Dry: With Lube Oil Wet: W

Without canopy/ with canopy	
Engine Technical Data	
Engine Model :	Volvo TAD732GE
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	108 / 130
Induction :	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	18:01
Displacement [lt] :	7.15
Electrical Sys. Voltage	24V/Negative
Battery Charger Amps.	55A

Lubrication System	
Total Oil Capacity [lt] :	34
Oil Type :	API: CG-4, CH-4 15W-40
Oil Cooling Method :	Water

Fuel System				
Fuel Filter Type	Filter Type : Replaceable Element			ent
Recommended	Fuel :	ASTM-D975-No1 and 2-D		
Fuel Consumpt	tion [lt] :			
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	46,8	42,2	31,8	22,0
60Hz	-	-	-	-
	110%	100%	75%	50%

0%
oad
4,2
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(Based on diesel fuel with a spec. gravity of 0,84 and complied with BS2869, Class A2)

Alternator Dat

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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

Cooling System		50Hz	60Hz
Cooling System Capacity [It] :		28.6	-
Heat rejected to Water & Lube C	Dil [kW]:		
	Prime	77	-
	Standby	85	-
Heat Radiation to Room [kW] :			
	Prime	17	-
	Standby	18	-
Radiator Fan Load [kW] :		7.2	-
Radiator Cooling Air Flow [m ³ /n	nin] :	162	-
External Restrictions to :			
Cooling Airflow [Pa] :		300	-
Exhaust System		50Hz	60Hz
Max. Allowable Back Pressure [k	Pa]:		
		3.0	-

Exhaust Gas Flow [m ³ /min] :			
	Prime	31.9	-
	Standby	35.1	-
Exhaust Gas Temp. [[°] C] :			
	Prime	529	-
	Standby	542	-

Performance		50Hz	60Hz
Engine Speed [rpm] :		1500	-
Gross Engine Power [kW] :			
	Prime	165	-
	Standby	183	-

Air Systems		50Hz	60Hz
Air Filter Type :		Replaceable Ele	ement
Combustion Air Flow [m ³ /min] :			
	Prime	11.4	-
	Standby	12.4	-
Max. Combustion Air Intake			
Restriction [kPa] :		3.5	-

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:

g: 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)