

DIA-W35

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	30 kVA / 24 kW	34 kVA / 27.2 kW	
480V, 60Hz	-	-	

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
1750 / 2190	1000 / 1000	1120 / 1450	775 / 1080	
Dry: With Lube Oil	Wet: Wit	h Lube Oil & Coolant		
Without canopy/ with canopy				
Engine Technical Data		Cooli	ng System	50Hz
Engine Model :	WEICHA	I - WP 3.9D33E2 Cooli	ng System Capacity [lt] :	
Number of Cylinders:	4 / Inline	2		
Cycle :	4 Stroke			
Bore / Stroke [mm] :	102 / 11	8		
Induction :	Natural			
Cooling Method :	Water co	ooled		
Governor Type :	Mechani	ic		
Compression Ratio :	17.5:1			
Displacement [lt] :	3.86			
Electrical Sys. Voltage	12 / Neg	ative		

Lubrication System	
Total Oil Capacity [lt] :	11

Fuel System				
Fuel Filter Type :		Replaceable Element		
Recommended I	Fuel :	Class A2 Diesel		
Fuel Consumption [It] :				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	9	8	6.2	5
Fuel Tank Capac	ity (L):	90		

Exhaust System	50Hz	
Max. Allowable Back Pressure [kPa] :	10	

Exhaust Gas Temp. [[°] C] :		
	Standby	500
Performance		50Hz
Engine Speed [rpm] :		1500
Gross Engine Power [kW] :		
	Prime	33.3
	Standby	36.6
Air Systems		50Hz
Air Filter Type :		Replaceable Element

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

Alternator Data	
Manufacturer :	LINZ Electric
Model :	PRO 185C/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	87.1 %
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	34

Available Options

Diamond offers a range of optional features to tailor our gensets to

meet your power requirements.

Options:

 $\ensuremath{^*}\xspace$ 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:

ting: 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.