

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	38 kVA / 30.4 kW	42 kVA / 33.6 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	825 / 1115		
Dry: With Lube Oil	Wet: With Lube Oil & Coolant				

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	WEICHAI - WP 3.9D33E2
Number of Cylinders:	4 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	102 / 118
Induction:	Natural
Cooling Method :	Water cooled
Governor Type :	Mechanic
Compression Ratio :	17.5:1
Displacement [lt]:	3.86
Electrical Sys. Voltage	12 / Negative

Cooling System	50Hz
Cooling System Capacity [lt]:	

Lubrication System		
Total Oil Capacity [lt]:	11	

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

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Fuel Filter Type :			Replaceable Eleme	nt
Recommended Fu	el:		Class A2 Diesel	
Fuel Consumption	[lt]:			
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	11.2	9.2	6.9	5

Exhaust	Gas	Temp. [CJ:

Fuel Consumption [lt]:				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	11.2	9.2	6.9	5
Fuel Tank Capa	city (L):	90		

Performance		50Hz	
Engine Speed [rpm]:		1500	
Gross Engine Power [kW] :			
	Prime	33.3	
	Standby	36.6	

500

Standby

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 18ME/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class:	IP23
Efficiency:	89.3 %
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	48

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 $\ensuremath{\mathsf{DIAMOND}}$ or

visit www.diamondcable.com.tr

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, 1-Prime Rating: 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) $\,$