

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	55 kVA / 44 kW	62 kVA / 49.6 kW	
480V. 60Hz	-	-	

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
2150 / 2880	1100 / 1100	1150 / 1720	960 / 1315	
Dry: With Lube Oil	Wet: With Lube Oil & Coolant			

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	WEICHAI - WP 4.1D50E2
Number of Cylinders:	4 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	105 / 125
Induction:	Turbocharged
Cooling Method :	Water cooled
Governor Type :	Mechanic
Compression Ratio :	17.5:1
Displacement [lt]:	4.08
Electrical Sys. Voltage	12 / Negative

Cooling System	50Hz	
Cooling System Capacity [It]:		

Lubrication System	
Total Oil Capacity [lt]:	11

Exhaust System	50Hz
Max. Allowable Back Pressure [kPa]:	12

Fuel System				
Fuel Filter Type :			Replaceable Eleme	ent
Recommended F	uel :		Class A2 Diesel	
Fuel Consumptio	n [lt] :			
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	15	13.5	10.8	7.2

Exhaust Gas Temp. $[^{\circ}C]$:

Performance		50Hz	
Engine Speed [rpm] :		1500	
Gross Engine Power [kW] :			
	Prime	50	
	Standby	55	
Air Contains		5011-	

Standby

500

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

Fuel Tank Capacity (L):

Alternator Data	
Manufacturer:	LINZ Electric
Model:	PRO 18LG/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class:	IP23
Efficiency:	89.6 %
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	65

Air Filter Type : Replaceable Element

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.signalelectricals.com

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)

 $Standard\ Reference\ Conditions:\ Standart\ reference\ conditions\ 25'C\ Air\ Inlet\ Temp.\ 100m,\ 30\%\ relative\ humidity.$