

DIA- D 55

Output Ratings			
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>	
380-415V, 50Hz	50 kVA / 40 kW	55kVA / 44kW	
	-	-	

## Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
2150 / 2872	1100 / 1100	1315 / 1720	1018 / 1500	
Dry: With Lube Oil	Wet: With Lube Oil & Coolant			
Without canopy/ with canopy				
Engine Technical Data		Соо	ling System	50Hz
Engine Model :	DEUTZ -	TD 226B - 3D Coo	ling System Capacity [lt] :	
Number of Cylinders and Type:	3 - Inline	2		
Cycle :	4 Stroke			
Bore / Stroke [mm] :	105 / 12	0		
Induction :	Turboch	arged		
Cooling Method :	Water c	poled		
Governor Type :	Mechan	ic		
Compression Ratio :	15.5:1			
Displacement [lt]:	3.117			
Electrical Sys. Voltage	12 / Neg	ative		

Lubrication System		
Total Oil Capacity [lt] :	7,25	

Fuel System				
Fuel Filter Type	:	Replaceable Element		
Recommended	Fuel :	Class A2 Diesel		
Fuel Consumpt	Consumption [It] :			
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz		11,7	8,8	5,9

Fuel Tank Capacity ( L ):

Exhaust System		50Hz	
Max. Allowable Back Pressure [kP	a]:	6,5	
Exhaust Gas Temp. [ <sup>°</sup> C] :		550	
Performance		50Hz	
Engine Speed [rpm] :		1500	
Gross Engine Power [kW] :			
	Prime	50	
	Standby	55	
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 18LF/4
No. of Bearings :	Single
Insulation Class:	Н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	89.4%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	55

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:

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.