

Output Ratings			
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>	
380-415V, 50Hz	45 kVA / 36 kW	48 kVA / 38.4 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	1320 / 1720	1018 / 1500	1050 / 1525
Drv: With Lube Oil	Wet: With Lube Oil & Coolant			

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	SDEC - SC4H 95D2
Number of Cylinders:	4 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	105 / 124
Induction:	Turbocharged
Cooling Method :	Water cooled
Governor Type :	Electronic
Compression Ratio :	17.3:1
Displacement [lt]:	4.3
Electrical Sys. Voltage	24 / Negative
, -	, ,

50Hz	
25	

Lubrication System		
Total Oil Capacity [lt]:	13	

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

ruei system					
Fuel Filter Type :			Replaceable Element		
Recommended Fuel :			Class A2 Diesel		
Fuel Consumption	[lt]:				
	110%	100%	75%	50%	
Prime	Load	Load	Load	Load	
50Hz	10	9.1	7.2	4.2	

Exhaust Gas	Tomp (°C).	
Exhaust Gas	remp. [ C]:	

Fuel Consumpt	ion [lt] :			
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	10	9.1	7.2	4.2

Standby	600		

	110/0	10070	7370	3070		
Prime	Load	Load	Load	Load	Performance	50Hz
50Hz	10	9.1	7.2	4.2	Engine Speed [rpm]:	1500
					Gross Engine Power [kW] :	
					Pr	rime 62
Fuel Tank Capacity	y(L):				St	andby 68

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
Model :	PRO 18 ME/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)  $\,$