

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	264 kVA / 211 kW	290 kVA / 232 kW	
480V. 60Hz	-	-	

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
2750 / 3640	1250 / 1250	1720 / 2100	2100 / 2820	2150 / 2870
Dry: With Lube Oil	Wet: Wit	h Lube Oil & Coolant		

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	SDEC - SC9D 340D2
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	114 / 144
Induction:	Turbocharged - Intercooled
Cooling Method :	Water cooled
Governor Type :	Electronic
Compression Ratio :	16.5:1
Displacement [It]:	8.82
Electrical Sys. Voltage	24 / Negative

Cooling System	50Hz
Cooling System Capacity [It]:	43

Lubrication System		
Total Oil Capacity [lt]:	25	

Exhaust System	50Hz
Max. Allowable Back Pressure [kPa]:	6

Fuel System				
Fuel Filter Type :			Replaceable Element	
Recommended Fuel :		Class A2 Diesel		
Fuel Consumption [l	t]:			
	1100/	1000/	750/	E00/

Exhaust Gas Temp. [°C]:

ruei Consumption [it] .					
	110%	100%	75%	50%	
Prime	Load	Load	Load	Load	
50Hz	59.6	54.1	40.8	27.3	

Performance		50Hz
Engine Speed [rpm]:		1500
Gross Engine Power [kW]:		
	Prime	228
	Standby	250

Fuel Tank Capacity (L):		

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 28 SD/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	5/6
Number of Wire :	12
Protection Class:	IP23
Efficiency:	92.7%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	315

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

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* 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

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)

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