

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	177 kVA / 141.6 kW	196 kVA / 156.8 kW	
480V. 60Hz	-	<u>-</u>	

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
2650 / 3440	1100 / 1100	1550 / 1950	1840 / 2530	1875 / 2565
Dry: With Lube Oil	Wet: Wi	th Lube Oil & Coolant		

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	SDEC - SC7H 230D2
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	105 / 124
Induction:	Turbocharged - İntercooled
Cooling Method :	Water cooled
Governor Type :	Electronic
Compression Ratio :	16:01
Displacement [lt]:	6.44
Electrical Sys. Voltage	24 / Negative

Cooling System	50Hz
Cooling System Capacity [lt]:	31

Lubrication System		
Total Oil Capacity [lt]:	17.5	

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

Fuel System				
Fuel Filter Type :			Replaceable Elemer	nt
Recommended Fuel :		Class A2 Diesel		
Fuel Consumption [lt]]:			
	110%	100%	750/	E0%

Exhaust Gas Temp. [°C]:	600
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Fuel Consumption [It]:				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	40.5	36.5	27.3	18.2

Performance		50Hz
Engine Speed [rpm]:		1500
Gross Engine Power [kW]:		
	Prime	154
	Standby	170

ruei	rank 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
Model :	PRO 28 SA/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	12
Protection Class:	IP23
Efficiency:	91.7%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	200

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: 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)