

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	600 kVA / 480 kW	660 kVA / 528 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]	
3650 / 4670	1640 / 1640	2090 / 2500	3680 / 4720		
Dry: With Lube Oil	Wet· Wi	th Lube Oil & Coolant			

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	SDEC - SC27G755D2
Number of Cylinders:	12 / V
Cycle :	4 Stroke
Bore / Stroke [mm] :	135 / 150
Induction:	Turbocharged - İntercooled
Cooling Method :	Water cooled
Governor Type :	Electronic
Compression Ratio :	16.0:1
Displacement [lt]:	26.6
Electrical Sys. Voltage	24 / Negative

Cooling System	50Hz
Cooling System Capacity [It]:	115

Lubrication System		
Total Oil Capacity [lt]:	65	

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

Fuel System	
Fuel Filter Type :	Replaceable Element
Recommended Fuel:	Class A2 Diesel
Fuel Consumption [It]:	

Exhaust Gas Temp. [C]:	600

r der consumpt	ion [it] .			
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	123	110	83	58

Performance		50Hz
Engine Speed [rpm]:		1500
Gross Engine Power [kW]:		
	Prime	555
	Standby	610

Fuel Tank Capacity (L):	
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Air Systems	50Hz	
Air Filter Type :	Renlaceable Flement	

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

Alternator Data	
Manufacturer :	Linz Electric
Model :	PRO 35 ME/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	6
Protection Class:	IP23
Efficiency:	95%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	660

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)

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