

Output Ratings		
Genset Model	Prime ¹	Standby ²
380-415V, 50Hz	650 kVA / 520 kW	715 kVA / 572 kW
480V, 60Hz	-	-
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	2700 / 4740	
Dry: With Lube Oil		Wet: With Lube Oil & Coolant		
Without canopy/ with canopy				

Engine Technical Data	
Engine Model :	SDEC - SC 27G830 D2
Number of Cylinders:	12 / V
Cycle :	4 Stroke
Bore / Stroke [mm] :	135 / 150
Induction :	Turbocharged - Intercooled
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 [lt] :	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 [lt] :				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	130	115	88	61

Exhaust Gas Temp. [°C] :	600
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Fuel Tank Capacity (L):

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

Air Systems	50Hz
Air Filter Type :	Replaceable Element

(Based on diesel fuel with a spec. gravity of 0,84 and complied with B52869, Class A2)

Alternator Data	
Manufacturer :	Linz Electric
Model :	PRO 35 MF/4
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	94.7%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Apparent power [kVA]:	735

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.