

DIA- D 550

Output Ratings		
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>
380-415V, 50Hz	490 kVA / 392 kW	545 kVA / 436 kW
480V, 60Hz	-	-
Detienen einen stoog en ferster		

## Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
3650 / 4680	1640 / 1640	2090 / 2500	3450 / 4510	3570 / 4630
Dry: With Lube Oil	Wet: Wi	th Lube Oil & Coolant		
Without canopy/ with canopy				
Engine Technical Data		C	ooling System	50Hz
Engine Model :	DEUTZ -	BF 8M1015CP- LAG1A C	ooling System Capacity [lt] :	115
Number of Cylinders:	8 / V			
Cycle :	4 Stroke			
Bore / Stroke [mm] :	132 / 14	5		
Induction :	Turboch	arged - Intercooled		
Cooling Method :	Water c	poled		
Governor Type :	Electron	ic		
Compression Ratio :	16.5:1			
Displacement [lt] :	15.87			
Electrical Sys. Voltage	24 / Neg	ative		

Lubrication System		
Total Oil Capacity [lt] :	48	

Fuel System				
Fuel Filter Type	:	Replaceable Element		
Recommended	l Fuel :	Class A2 Diesel		
Fuel Consumption [It] :				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	113	101	76	51

Fuel Tank Capacity ( L ):

Exhaust System		50Hz	
Max. Allowable Back Pressure [k	Pa] :	5	
Exhaust Gas Temp. [ <sup>°</sup> C] :		540	
Performance		50Hz	
Engine Speed [rpm] :		1500	
Gross Engine Power [kW] :			
	Prime	413	
	Standby	459	
Air Systems		50Hz	
Air Filter Type :		Replaceable Elemer	nt

(Based on diesel fuel with a spec	aravity of 0.84 and com	nlind with BS2860 Class A2
(based on dieser fuer with a spec		plied with DJ2009, Class AZ

Alternator Data	
Manufacturer :	Linz Electric
Model :	PRO 35 SC/4
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	94.9%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	550

## Available Options

Diamond I 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.