

DIA- D 700

50Hz 5

50H:

Replaceable Element

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	600 kVA / 480 kW	662 kVA / 530 kW	
480V, 60Hz	-	-	

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	3700 / 4740	3840 / 4880
Dry: With Lube Oil	Wet: Wi	th Lube Oil & Coolant		
Without canopy/ with canopy				
Engine Technical Data		С	ooling System	50Hz
Engine Model :	DEUTZ -	BF 8M1015CP- LAG5 C	ooling System Capacity [lt] :	130
Number of Cylinders:	8 / V			
Cycle :	4 Stroke	2		
Bore / Stroke [mm] :	132 / 14	15		
Induction :	Turboch	narged - İntercooled		
Cooling Method :	Water c	ooled		
Governor Type :	Electror	nic		
Compression Ratio :	16.5:1			
Displacement [lt] :	15.87			
Electrical Sys. Voltage	24 / Ne	gative		

Lubrication System		Exhaust System
Total Oil Capacity [lt] :	48	Max. Allowable Back Pressure [kPa] :

Fuel System				
Fuel Filter Type	:	Replaceable Element		
Recommended	Fuel :	Class A2 Diesel		
Fuel Consumption [It] :				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	152	135	99	63

Exhaust Gas Temp. [`C] : 650
Performance 50Hz
Engine Speed [rpm] : 1500
Gross Engine Power [kW] : ''
Prime 509
Standby 560

12)
(2

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

Air System

Air Filter Type :

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

Fuel Tank Capacity (L):

ing: 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.

¹⁻Prime Rating: