

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	532 kVA / 425 kW	582 kVA / 465 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	3530 / 4590	3650 / 4710
Dry: With Lubo Oil	Wot: Wi	th Luba Oil & Coolant		

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	DEUTZ - BF 8M1015CP- LAG2
Number of Cylinders:	8/V
Cycle :	4 Stroke
Bore / Stroke [mm] :	132 / 145
Induction:	Turbocharged - Intercooled
Cooling Method :	Water cooled
Governor Type :	Electronic
Compression Ratio :	16.5:1
Displacement [lt]:	15.87
Electrical Sys. Voltage	24 / Negative

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

Lubrication System		
Total Oil Capacity [lt]:	48	

Exhaust System	50Hz
Max. Allowable Back Pressure [kPa]:	5

Fuel System				
Fuel Filter Type :			Replaceable Element	
Recommended Fuel :		Class A2 Diesel		
Fuel Consumption [l	t] :			
	1100/	100%	750/	F09/

Exhaust Gas Temp. [C]:	600

ruer consumption [it].				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	130	116	84	55.5

Performance		50Hz	
Engine Speed [rpm]:		1500	
Gross Engine Power [kW]	:		
	Prime	445	
	Standby	490	

Fuel Tank 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 Electric
Model :	PRO 35 SD/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]:	605

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 $\operatorname{DIAMOND}$ 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)