

Output Ratings

Genset Model	Prime ¹	Standby ²
380-415V, 50Hz	544 kVA / 435 kW	605 kVA / 484 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	3680 / 4720	3800 / 4840

Dry: With Lube Oil

Wet: With Lube Oil & Coolant

Without canopy/ with canopy

Engine Technical Data

Engine Model :	DEUTZ - BF 8M1015CP- LAG3
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
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Lubrication System

Total Oil Capacity [lt] :	48
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Exhaust System

50Hz

Max. Allowable Back Pressure [kPa] :	5
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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	135	119	89	57

Exhaust Gas Temp. [°C] :	550
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Performance

50Hz

Engine Speed [rpm] :	1500	
Gross Engine Power [kW] :		
	Prime	462
	Standby	509

Fuel Tank Capacity (L):

Air Systems

50Hz

Air Filter Type :	Replaceable Element
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(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:	H
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	95%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Apparent 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 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.