

 Output Ratings
 Frime¹
 Standby²

 Genset Model
 Prime¹
 Standby²

 380-415V, 50Hz
 800kVA / 640kW
 900kVA / 720kW

 480V, 60Hz

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
4040/6078	1650/2468	2285/3300	5279/9995	5384/10100
Dry: With Lube Oil	Wet: Wi	th Lube Oil & Coolant		

Without canopy/ with canopy

Fuel Filter Type :

Recommended Fuel:

Lubrication System	
Engine Model :	Perkins 4006TAG3A
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	160.0 / 190.0
Induction:	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	13.6:1
Displacement [lt]:	22.9
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	40

Cooling System		50Hz	60Hz
Cooling System Capacity [lt]:		105.0	-
Heat rejected to Water & Lube Oil [kW]:		
	Prime	280.0	-
	Standby	315.0	-
Heat Radiation to Room [kW] :			
	Prime	77.0	-
	Standby	86.0	-
Radiator Fan Load [kW]:		22.0	-
Radiator Cooling Air Flow [m³/min]	:	1200.0	-
External Restrictions to:			
Cooling Airflow [Pa]:		TBA	-

Lubrication System	
Total Oil Capacity [lt]:	113.4
Oil Type :	API CG-4 15W-40
O'l Cardina Mathead	147-1

Oil Type :	API CG-4 15W-40
Oil Cooling Method :	Water
Fuel System	

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Replaceable Element

Class A2 Diesel

Fuel Consump	tion [lt] :				
	110%	100%	75%	50%	
Prime	Load	Load	Load	Load	
50Hz	199.0	171.5	129.4	86.2	
60Hz	_		_	_	

	110%	100%	75%	50%
Standby	Load	Load	Load	Load
50Hz		199.0	141.4	94.82
60Hz		-	-	-

(Based on diesel fuel with a spec. of	gravity of 0,84 and complied with BS2869, Class A2)

Alternator Data	
Manufacturer :	LINZ
Model :	PRO 35 LH/4
No. of Bearings :	Single
Insulation Class:	Н
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	95.6%
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Appearent power [kVA]:	900

Exhaust System		50Hz	60Hz
Max. Allowable Back Pressure [kPa] :		
		610	-
Exhaust Gas Flow [m³/min]:			
	Prime	-	-
	Standby	193.0	-
Exhaust Gas Temp. [°C]:			
	Prime	-	-
	Standby	500	-
Performance		50Hz	60Hz
Engine Speed [rpm]:		1500	-
Gross Engine Power [kW]:			
	Prime	705.0	-

Air Systems		50Hz	60Hz
Air Filter Type :		Replaceable Eler	ment
Combustion Air Flow [m³/min]:			
	Prime	69.0	-
	Standby	73.0	-
Max. Combustion Air Intake			
Restriction [kPa]:		380	-

786.0

Standby

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
- $\ensuremath{^{*}}\xspace$ 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 DIAMONDor

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)