

Output Ratings			
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>	
380-415V, 50Hz	660kVA / 528kW	720kVA / 576kW	
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	2210/2500	4480/5585	4525/5640
Dry: With Lube Oil	Wet: Wit	th Lube Oil & Coolant		

Without canopy/ with canopy

Engine Technical Data	
Engine Model :	Perkins 2806A-E18TAG2
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	145.0 / 183.0
Induction:	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	14.5:1
Displacement [lt]:	18.13
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	70

Lubrication System	
Total Oil Capacity [lt]:	62
Oil Type :	API CG-4/ APEA E-5 15W-40
Oil Cooling Method :	Water

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	143.0	132.0	97.0	66.0

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

LINZ
PRO 35MF/4
Single
Н
2/3
6
IP23
94.7%
1%
3.0%
735

Cooling System		50Hz	
Cooling System Capacity [lt]:		61	
Heat rejected to Water & Lube Oil [I	κW]:		
	Prime	202.0	
	Standby	219.0	
Heat Radiation to Room [kW]:			
	Prime	41.0	
	Standby	45.0	
Radiator Fan Load [kW]:		9.0	
Radiator Cooling Air Flow [m³/min]	:	702.0	
External Restrictions to:			
Cooling Airflow [Pa] :		TBA	

Exhaust System		50Hz	
Max. Allowable Back Pressure [kPa	1.	30112	
Wax. Allowable back i ressure [Ki c	·	6.9	
2		6.9	
Exhaust Gas Flow [m³/min]:			
	Prime	106.0	
	Standby	114.0	
Exhaust Gas Temp. [°C]:			
	Prime	555	
	Standby	553	
Performance		50Hz	
Engine Speed [rpm]:		1500	
Gross Engine Power [kW]:			
	Prime	584.0	
	Standby	628.0	

	50Hz
	Replaceable Element
Prime	37.0
Standby	40.0
	6.4
	Prime

## 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  $\ensuremath{\mathsf{DIAMOND}}$  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)