

## Output Ratings

Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>
380-415V, 50Hz	1850kVA / 1480kW	2000kVA / 1600kW

Ratings are given at 0,8 power factor

## Dimension & Weight

Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
6000/12212	2250/2468	2750/3950	TBA	TBA

Dry: With Lube Oil

Wet: With Lube Oil & Coolant

Without canopy/ with canopy

## Lubrication System

Engine Model :	Perkins 4016TRG1
Number of Cylinders:	16 / V
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] :	61.1
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	40

## Lubrication System

Total Oil Capacity [lt] :	213.0
Oil Type :	API CD 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	414	384	303	198

(Based on diesel fuel with a spec. gravity of 0,84 and complied with B52869, Class A2)

## Alternator Data

Manufacturer :	Stamford
Model :	PI 734E
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	95.8%
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Apparent power [kVA]:	2035

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.

## Cooling System

50Hz

Cooling System Capacity [lt] :	95
Heat Radiation to Room [kW] :	
Prime	90
Standby	117
Radiator Fan Load [kW] :	90
External Restrictions to :	
Cooling Airflow [Pa] :	245

## Exhaust System

50Hz

Max. Allowable Back Pressure [kPa] :		4
Exhaust Gas Flow [m <sup>3</sup> /min] :		
Prime		-
Standby		400
Exhaust Gas Temp. [°C] :		
Prime		400
Standby		420

## Performance

50Hz

Engine Speed [rpm] :	1500
Gross Engine Power [kW] :	
Prime	1648
Standby	1774

## Air Systems

50Hz

Air Filter Type :	Replaceable Element	
Combustion Air Flow [m³/min] :		
	Prime	147.0
	Standby	155.0
Max. Combustion Air Intake		
Restriction [kPa] :		3.7

## 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](http://www.diamondcable.com.tr)