

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	1250kVA / 1000kW	1380kVA / 1104kW	
180V 60Hz	_	_	

Ratings are given at 0,8 power factor

Dimension & Weight					
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]	
4800/9145	1880/2468	2350/3700	9300/17000	9496/17196	
Dry: With Lube Oil	Wet· Wit	th Lube Oil & Coolant			

Without canopy/ with canopy

Lubrication System	
Engine Model :	Perkins 4012-46TWG2A
Number of Cylinders:	12 / V
Cycle :	4 Stroke
Bore / Stroke [mm] :	160.0 / 190.0
Induction:	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	13.0:1
Displacement [It]:	45.8
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	40

Lubrication System	
Total Oil Capacity [lt]:	177.0
Oil Type :	API CH4 15W-40
Oil Cooling Method :	Water

Fuel System	
Fuel Filter Type :	Replaceable Element
Recommended Fuel :	Class A2 Diesel
Fuel Consumption [It] :	

	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	285.5	256.7	195.0	140.2
60Hz	-	-	-	-

	110%	100%	75%	50%
Standby	Load	Load	Load	Load
50Hz		285.5	211.7	154.2
60Hz		-	-	-

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

Alternator Data	
Manufacturer :	Stamford
Model:	PI 734B
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	6
Protection Class:	IP23
Efficiency:	94.9%
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Appearent power [kVA]:	1500

Cooling System		50Hz	60Hz
Cooling System Capacity [lt]:		196.0	-
Heat rejected to Water & Lube Oil	[kW]:		
	Prime	372.0	-
	Standby	401.0	-
Heat Radiation to Room [kW]:			
	Prime	81.0	-
	Standby	89.0	-
Radiator Fan Load [kW]:		51.0	-
Radiator Cooling Air Flow [m³/min]:	1320.0	-
External Restrictions to:			
Cooling Airflow [Pa] :		250	-

Exhaust System		50Hz	60Hz
Max. Allowable Back Pressure [κPa]:		
		5.0	-
Exhaust Gas Flow [m³/min]:			
	Prime	-	-
	Standby	230.0	-
Exhaust Gas Temp. $[^{\circ}C]$:			
	Prime	-	-
	Standby	422	-
Performance		50Hz	60Hz
Engine Speed [rpm] :		1500	-
Gross Engine Power [kW]:			
	Prime	1106.0	-

Air Systems		50Hz	60Hz
Air Filter Type :		Replaceable	e Element
Combustion Air Flow [m³/min] :			
	Prime	102.0	-
	Standby	109.0	-
Max. Combustion Air Intake			
Restriction [kPa]:		4.0	-

Standby

1217.0

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)