207.0



Output Ratings			
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>	
380-415V, 50Hz	1506kVA / 1204kW	1650kVA / 1320kW	
480V 60Hz	_	_	

Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
5060/9145	2260/2468	2420/3950	10300/17800	10507/19807
Dry: With Lube Oil	Wet: Wit	h Lube Oil & Coolant		

Cooling System

Cooling System Capacity [It]:

Without canopy/ with canopy

Lubrication System	
Engine Model :	Perkins 4012-46TAG2A
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 [lt]:	45.8
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	40

Bore / Stroke [mm] :	160.0 / 190.0		Standby	501.0	-
Induction:	Turbocharged CAC	Heat Radiation to Room [kW] :			
Cooling Method :	Water		Prime	96.0	-
Governor Type :	Electronic		Standby	107.0	-
Compression Ratio :	13.0:1	Radiator Fan Load [kW]:		42.0	-
Displacement [lt]:	45.8	Radiator Cooling Air Flow [m³/min	]:	1212.0	-
Electrical Sys. Voltage	24 / Negative	External Restrictions to :			
Battery Charger Amps.	40	Cooling Airflow [Pa]:		250	-

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	327.7	294.5	231.8	158.5
60Hz	-	-	-	-

	110%	100%	75%	50%
Standby	Load	Load	Load	Load
50Hz		327.7	242.9	174.3
60Hz		-	-	-

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

Alternator Data	
Manufacturer :	Stamford
Model:	PI 734C
No. of Bearings :	Single
Insulation Class:	Н
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	95.4%
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Appearent power [kVA]:	1660
601	

Heat rejected to Water & Lube Oil [	kW]:		
	Prime	457.0	-
	Standby	501.0	-
Heat Radiation to Room [kW] :			
	Prime	96.0	-
	Standby	107.0	-
Radiator Fan Load [kW]:		42.0	-
Radiator Cooling Air Flow [m³/min]	:	1212.0	-
External Restrictions to :			
Cooling Airflow [Pa]:		250	-
Exhaust System		50Hz	60Hz

Extiduse System		30112	00112
Max. Allowable Back Pressure [	kPa] :		
		5.0	-
Exhaust Gas Flow [m³/min]:			
	Prime	-	-
	Standby	320.0	-
Exhaust Gas Temp. [°C]:			
	Prime	-	-
	Standby	455	-
Performance		50Hz	60Hz
Engine Speed [rpm]:		1500	-
Gross Engine Power [kW]:			
	Prime	1331.0	-
	Standby	1459.0	-

	50Hz	60Hz
	Replaceabl	e Element
Prime	120.0	-
Standby	128.0	-
	4.0	-
		Replaceabl Prime 120.0 Standby 128.0

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

visit www.diamondcable.com.tr

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, 1-Prime Rating: 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)  $\,$