DIA -P 1100

Output Ratings

Genset Model	Prime[1]	Standby[2]
380-415V, 50Hz	1020kVA / 816kW	1100kVA / 880kW
480V, 60Hz	-	-

Ratings are given at 0,8 power factor

Dimension & Weight

Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
4500/6078	2050/2468	2580/3500	7585/12220	7747/12382

Dry: With Lube Oil Wet: With Lube Oil & Coolant

Without canopy/ with canopy

Lubrication System

Engine Model :	Perkins 4008TAG2A
Number of Cylinders:	8 / 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] :	30.5
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	40

Lubrication System

Total Oil Capacity [lt] :	153.0
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] :

Prime	110% Load	100% Load	75% Load	50% Load
50Hz	243.0	215.6	156.8	105.8
60Hz	-	-	-	-

Standby	110% Load	100% Load	75% Load	50% Load
50Hz		243.0	177.8	116.3
60Hz		-	-	-

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

Alternator Data

Manufacturer :	Stamford
Model :	HCI 634J
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	95.1%
Voltage Regulation (Steady State) :	0.5%
Total Harmonic Content:	3.0%
Appearent power [kVA]:	1110

Cooling System

		50Hz	60Hz
Cooling System Capacity [lt] :		162.0	-
Heat rejected to Water & Lube Oil [kW]:			
	Prime	332.0	-
	Standby	349.0	-
Heat Radiation to Room [kW] :			
	Prime	80.0	-
	Standby	100.0	-
Radiator Fan Load [kW] :		38.0	-
Radiator Cooling Air Flow [m^3/min] :		1200.0	-
External Restrictions to :			
Cooling Airflow [Pa] :		13	-

Exhaust System

		50Hz	60Hz
Max. Allowable Back Pressure [kPa] :			
		683	-
Exhaust Gas Flow [m^3/min] :			
	Prime	-	-
	Standby	201.0	-
Exhaust Gas Temp. [°C] :			
	Prime	-	-
	Standby	500	-

Performance

		50Hz	60Hz
Engine Speed [rpm] :		1500	-
Gross Engine Power [kW] :			
	Prime	899.0	-
	Standby	985.0	-

Air Systems

		50Hz	60Hz
Air Filter Type :		Replaceable Element	
Combustion Air Flow [m^3/min] :			
	Prime	69.0	-
	Standby	75.0	-
Max. Combustion Air Intake			
Restriction [kPa] :		380	-

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)

Standard Reference Conditions: Standart reference conditions 25'C Air Inlet Temp. 100m, 30% relative humidity.