DIA-M 1550

Output Ratings

Genset Model	Prime[1]	Standby[2]
380-415V, 50Hz	1387 kVA / 1110 kW	1526 kVA / 1220 kW
480V, 60Hz	-	-

Ratings are given at 0,8 power factor

Dimension & Weight

Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
4550/6060	2000/2440	2400/2900	9400/15500	

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

Without canopy/ with canopy

Lubrication System

Engine Model :	Mitsubishi S12R-PTA2
Number of Cylinders:	12 / V
Cycle :	4 Stroke
Bore / Stroke [mm] :	170.0 / 180.0
Induction :	Turbocharged- Air Cooler
Cooling Method :	Water
Governor Type :	Elektronic
Compression Ratio :	13.5:1.0
Displacement [lt] :	49
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	30

Soğutma Sistemi

		50Hz
Soğutma Sistemi Kapasitesi [lt] :		335
Su Devresine Verilen Isıl Güç [kW] :		
	Prime	
	Standby	
Radyasyon ile Verilen Isıl Güç[kW] :		
	Prime	
	Standby	
Radyatör Fanı Güç Değeri [kW] :		30

Lubrication System

Total Oil Capacity [lt] :	180
Oil Type :	API CD 15W-40
Oil Cooling Method :	Water

Exhaust System

		50Hz	60Hz
Max. Allowable Back Pressure [kPa] :			
		5.88	
Exhaust Gas Flow [m^3/min] :			
	Prime	253	
	Standby	279	
Exhaust Gas Temp. [$^\circ$C] :			
	Prime	...	
	Standby	....	

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	317	288	216	146

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

Performance

		50Hz
Engine Speed [rpm] :		1500
Gross Engine Power [kW] :		
	Prime	1195
	Standby	1315

Air Systems

		50Hz
Air Filter Type :		Replaceable Element
Combustion Air Flow [m^3/min] :		
	Prime	96
	Standby	105
Max. Combustion Air Intake Restriction [kPa] :		....

Alternator Data

Manufacturer :	STAMFORD
Model :	PI 734B
No. of Bearings :	Single
Insulation Class:	H
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]:	1400

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)