

Output Ratings			
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>	
380-415V, 50Hz	1500 kVA / 1200 kW	1650 kVA / 1320 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	2240/2440	2500/2900	9950/16100	
Dry: With Lube Oil Wet: With Lube Oil & Coolant				

Without canopy/ with canopy

Lubrication System	
Engine Model :	Mitsubishi S12R-PTAA2
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 [It]:	49
Electrical Sys. Voltage	24 / Negative
, ,	· · · · · ·

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

Fuel System				
Fuel Filter Type :			Replaceable Eleme	nt
Recommended Fuel	:		Class A2 Diesel	
Fuel Consumption [l	t]:			
	110%	100%	75%	50%

	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	340	308	231	175

(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]:	1550

Cooling System		50Hz
Cooling System Capacity [lt]:		317
Heat rejected to Water & Lube Oil [k	kW]:	
	Prime	
	Standby	
Heat Radiation to Room [kW]:		
	Prime	
	Standby	
Radiator Fan Load [kW]:		
Radiator Cooling Air Flow [m³/min]	:	
External Restrictions to :		
Cooling Airflow [Pa] :		

Exhaust System		50Hz
Max. Allowable Back Pressure [kPa]	:	
Exhaust Gas Flow [m³/min]:		
	Prime	
	Standby	
Exhaust Gas Temp. $[^{\circ}C]$ :		
	Prime	
	Standby	
Performance		50Hz
Engine Speed [rpm]:		1500
Gross Engine Power [kW]:		
	Prime	1276
	Standby	1404

Air Systems		50Hz
Air Filter Type :		Replaceable Element
Combustion Air Flow [m³/min]:		
	Prime	
	Standby	
Max. Combustion Air Intake		
Restriction [kPa] :		

## 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)