

## DIA - M 2100

Output Ratings			
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>	
380-415V, 50Hz	1880 kVA / 1503 kW	2066 kVA / 1653 kW	
480V, 60Hz	-	-	

### Ratings are given at 0,8 power factor

Dimension & Weight				
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
5300/12190	2250/2440	2650/2900	ТВА	
Drv: With Lube Oil	Prv: With Lube Oil & Coolant			

### Without canopy/ with canopy

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Lubrication System	
Engine Model :	Mitsubishi S16R-PTA2
Number of Cylinders:	16 / V
Cycle :	4
Bore / Stroke [mm] :	170.0 / 180.0
Induction :	Turbocharged- Air Cooler
Cooling Method :	Water
Governor Type :	Elektronic
Compression Ratio :	13.5:1
Displacement [lt] :	65.37
Electrical Sys. Voltage	24 / Negative
Battery Charger Amps.	30

# Lubrication System Total Oil Capacity [lt]: 230 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] :				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	448	396	305	220

Cooling System	50Hz
Cooling System Capacity [lt] :	
Heat rejected to Water & Lube Oi	l [kW]:
	Prime
	Standby
Heat Radiation to Room [kW] :	
	Prime
	Standby
Radiator Fan Load [kW] :	
Radiator Cooling Air Flow [m <sup>3</sup> /mi	n] :
External Restrictions to :	
Cooling Airflow [Pa] :	

## Max. Allowable Back Pressure [kPa] :

Exhaust System

Exhaust Gas Flow [m <sup>3</sup> /min] :		
	Prime	
	Standby	
Exhaust Gas Temp. [ <sup>°</sup> C] :		
	Prime	
	Standby	

50Hz

Performance		50Hz
Engine Speed [rpm] :		1500
Gross Engine Power [kW] :		
	Prime	1563
	Standby	1723

Air Systems		50Hz
Air Filter Type :		Replaceable Element
Combustion Air Flow [m <sup>3</sup> /min] :		
	Prime	
	Standby	
Max. Combustion Air Intake		
Restriction [kPa] :		

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

Alternator Data	
Manufacturer :	STAMFORD
Model :	PI 734E
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	95.8 %
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Appearent power [kVA]:	1900

#### 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:

ng: 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)