

## Output Ratings

Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>
380-415V, 50Hz	22 kVA / 17,6 kW	24,4 kVA / 19,5 kW
480V, 60Hz	-	-

Ratings are given at 0,8 power factor

## Dimension & Weight

Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
1750/2190	1000/1000	1110/1450	540/865	

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

Without canopy/ with canopy

## Engine Technical Data

Engine Model :	Mitsubishi - S4Q2 - SD
Number of Cylinders:	4 - Inline
Cycle :	4
Bore / Stroke [mm] :	88 x 103
Induction :	Natural
Cooling Method :	Water
Governor Type :	Mechanic
Compression Ratio :	22,0:1
Displacement [lt] :	2,51
Electrical Sys. Voltage	12 V
Battery Charger Amps.	

## Lubrication System

Total Oil Capacity [lt] :	6,5
Oil Type :	API CD 15W-40
Oil Cooling Method :	

## 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	6,8      6,2      4,7      3,4

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

## Alternator Data

Manufacturer :	LINZ Electric
Model :	PRO 18SA/4
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	86,1 %
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Apparent power [kVA]:	23
Radiant Heat [Kw]:	

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)

## Cooling System

50Hz

Cooling System Capacity [lt] :	8,1
Heat rejected to Water & Lube Oil [kW]:	
Prime	
Standby	
Heat Radiation to Room [kW] :	
Prime	
Standby	
Radiator Fan Load [kW] :	
Radiator Cooling Air Flow [m <sup>3</sup> /min] :	

## Exhaust System

50Hz

Max. Allowable Back Pressure [kPa] :	
Exhaust Gas Flow [m <sup>3</sup> /min] :	
Prime	.....
Standby	.....
Exhaust Gas Temp. [ °C ] :	
Prime	.....
Standby	.....

## Performance

50Hz

Engine Speed [rpm] :	1500
Gross Engine Power [kW] :	
Prime	
Standby	22,6

## Air Systems

50Hz

Air Filter Type :	Replaceable Element
Combustion Air Flow [m <sup>3</sup> /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](http://www.diamondcable.com.tr)