

IDJ12M

IDEA DIESEL GENERATING SET TECHNICAL SPECIFICATIONS



ELECTRICAL			
FREQUENCY	VOLTAGE	PRIME	STAND-BY
50 Hz	400/230 V	10 kVA / 8 kW	11 kVA / 9 kW
Rated Speed		1500 RPM - 50 Hz	
Phase	3		
Power Factor	0,8		

Prime: This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Stand-by: This rating is for the supply of continuous electrical power at variable load, in the event of utility power failure. No overload is permitted.

WEIGHT AND DIMENSIONS			
		OPEN	CANOPY
Length	mm	1520	2120
Width	mm	900	900
Height	mm	1160	1600
Weight	kg	490	680

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ENGINE		
		50 Hz
Output Rating	kWm	10,8
Manufacturer and Model		Mitsubishi S3L2
Fuel		Diesel
Injection		Direct
Aspiration		Naturally Aspirated
Cylinders		3
Bore and Stroke	mm	78 x 92
Displacement	lt	1,318
Cooling		Water
Engine Oil Specification		SAE 15W40
Compression Ratio		22:01
Engine Oil Capacity	lt	5,7
Coolant Capacity (incl.radiator)	lt	TBA
Governor		Mechanical
Air Filter		Dry element
Fuel Consumption		50 Hz
100 % Load	lt/h	3,1
75 % Load	lt/h	2,5
50 % Load	lt/h	2,1

EXHAUST SYSTEM		
Maximum Temperature	°C	400
Exhaust Gas Flow	m³/min	2,19
Maximum Allowed Back Pressure	kPA	2,19
Exhaust Flange Size (Internal Dia.)	mm	TBA

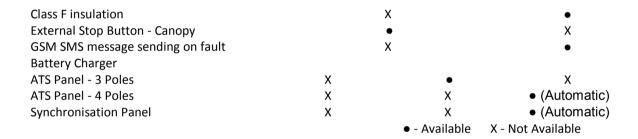
FUEL SYSTEM		
Diesel Specification		EN590
Fuel Tank Capacity	lt	67

ALTERNATOR	
Poles	4 pole
Winding Connections	Star
Insulation	Class H
Enclosure	IP23
Exciter System	Self regulating Brushless
Voltage Regulator	AVR
Steady State Voltage Regulation	± 1 %
Bearing	Single bearing sealed
Coupling	Flexible disc
Cooling	Direct drive centrifugal blower fan

The IDP300 is a comprehensive AMF unit for single genset standby or dual genset mutual standby operations. The unit provides a comprehensive set of digitally adjustable timers, threshold levels, input and output configurations, operating sequences and engine types. All programs may be modified via front panel pushbuttons, and do not require an external unit. Last 100 faults are stored in the event log file. The event log includes not only the date-time information, but also a comprehensive list of measured genset parameters at the time that the fault has occurred.



Alarm & Shutdown
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Alarm
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Coolant Temperature
Oil Pressure
Fuel Level
Battery Voltage
Engine RPM
Battery Charge Alternator Voltage
Frequency - Generator & Mains
Power Factor - Generator
Programmable Timer
Multi Lingual
Lamp test
Remote Monitoring
Manual Override
Remote Programming
Magnetic Pick Up Input
Total Harmonic Distortion view
Manual "speed fine adjust" on selected ECUs
J1939-CANBUS for electrocially governed
engines



REFERENCE STANDARDS