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MITSUBISHI

SPECIFICATIONS: S6R2- PTAA 825 KVA



Standard specifications

- Heavy-duty, water-cooled diesel engine
- Radiator with mechanical fan
- Protective grille for fan and rotating parts
- Electric starter and charge alternator
- Starting battery (with lead acid) including rack and cables
- Engine jacket water heater
- Steel base frame and anti-vibration isolators
- Fuel tank under the base frame
- Flexible fuel connection hoses
- Single bearing, class H alternator
- Industrial exhaust silencer and steel bellows supplied separately
- Static battery charger
- Manual for application and installation
- Generators Sets' voltage and frequency regulation comply with ISO 8528-5
- Generators Sets' can take 100% load at one step according to NFPA110

General characteristics

- Frequency (Hz) 50
- Engine Made and Model MITSUBISHI S6R2-PTAA
- Control Panel Model 7320
- Model Name APD 825 M
- Fuel Type Diesel

POWER

VOLTAGE	STANDBY RATING ESP		PRIME RATING ESP		STANDBY AMPER
	kW	kVA	kW	kVA	
400/231	660	825	600	750	1190.82



ENGINE SPECIFICATIONS

Engine	MITSUBISHI
Engine Model	S6R2-PTAA
Number of Cylinder (L)	6 cylinders - in line
Bore (mm.)	170
Stroke (mm.)	220
Displacement (lt.)	29.96
Aspiration	Turbo Charged and After Cooled
Compression Ratio	14.0:1
RPM (d/dk)	1500
Oil Capacity (Total With Filter) (lt)	100
Stand by Power kwm/hp (gross)	730/978
Prime Power kwm/hp (gross)	665/892
Block Heater QTY	1
Block Heater Power (Watt)	3000
Fuel Type	Diesel
Injection Type and System	Direct
Type of Fuel Pump	Mitsubishi PS6 (In-Line)
Governor System	Electronic
Operating Voltage (Vdc)	24 Vdc
Battery and Capacity (Qty/Ah)	2x143
Charge Alternator (A)	30
Cooling Method	Water Cooled
Cooling Fan Air Flow (m3/min)	726
Coolant Capacity (engine only / with radiator) (lt)	14.5/132
Air Filter	Dry Type
Fuel Cons. Prime With %100 Load (lt/hr)	156.7
Fuel Cons. Prime With % 75 Load (lt/hr)	119.2
Fuel Cons. Prime With % 50 Load (lt/hr)	81.5

ALTERNATOR CHARACTERISTICS

Manufacturer	Mecc Alte
Alternator Made and Model	ECO 40-VL/4 B
Frequency (Hz)	50
Power (kVA)	750
VOLTAGE (V)	400
Phase	3
A.V.R.	DER1
Voltage Regulation	(+/-)1%
Insulation System	H
Rated Power Factor	0.8
WEIGHT WOUND ROTOR (Kg)	449

Open Gen. Set Dimensions (mm)

LENGHT	4100
WIDTH	1800
HEIGHT	2180
DRY WEIGHT (kg.)	6360
TANK CAPACITY (lt.)	1300

Gen. Set Canopy Dimensions (mm)

LENGHT 5410	5410
WIDTH 1860	1860
HEIGHT 2650	2650
DRY WEIGHT (kg.) 7680	7680
TANK CAPACITY (lt.) 1300	1300

CONTROL PANEL

- Control Module DSE
- Control Module Model 7320
- Communication Ports MODBUS



1. MENU NAVIGATION BUTTONS
2. CLOSE MAINS BUTTON
3. MAIN STATUS BUTTON
4. ALARM LED'S
5. CLOSE GENETATOR BUTTON
6. STATUS LED'S
7. OPERTION SELECTING BUTTONS

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OPTIONAL EQUIPMENTS

ENGINE

- Remote Radiator Cooling
- Fuel-Water Separator Filter

ALTERNATOR

- Anti-Condensation Heater
- Main line circuit breaker

TRANSFER SWITCH

- Three or four pole contactor
- Three or four pole motor operated circuit breaker

CONTROL SYSTEM

- Automatic synchronizing and power control system (multi gen-set Parallel)
- Parallel system with mains.
- Transition synchronization with mains
Remote relay output
- Alarm output relays

OTHER ACCESSORIES

- Main Fuel Tank
- Automatic or manual fuel filling system
- Manual oil drain pump
- Low and high fuel level alarm
- Residential silencer
- Enclosure: weather protective or sound attenuated
- Duct adapter (on radiator)
- Inlet and outlet motorized louvers
- Inlet and outlet acoustic baffles
- Tool kit for maintenance
- 1500/3000 hours maintenance kit
- Supplied with oil and coolant - 30 °C