



**MITSUBISHI**

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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 Make 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

## STANDARD SPECIFICATIONS

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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