

# **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	STAND	STANDBY RATING ESP			PRIME RATING ESP		STANDBY
	kW		kVA	kW	kVA		AMPER
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) (It)	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) (It)	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	
Alternator Made and Model	В	
Frequency (Hz)	50	
Power (kVA)	<b>750</b>	
VOLTAGE (V)	400	
Phase	3	
A.V.R.	DER1	
Voltage Regulation	(+/-)1%	
Insulation System	Н	
Rated Power Factor	0.8	
WEIGHT WOUND ROTOR	449	
(Kg)		

## **Open Gen. Set Dimensions (mm)**

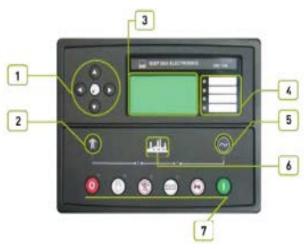
LENGHT	4100
WIDTH	1800
HEIGHT	2180
DRY WEIGHT (kg.)	6360
TANK CAPACITY (It.)	1300

# **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



#### 2. CLOSE WATER BUTTON

1. MENU NAVIGATION BUTTONS

- 2. CLOSE MAINS BUTTOM
- 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