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MITSUBISHI

SPECIFICATIONS: S12R2- PTA 880 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 bellow

supplied separately

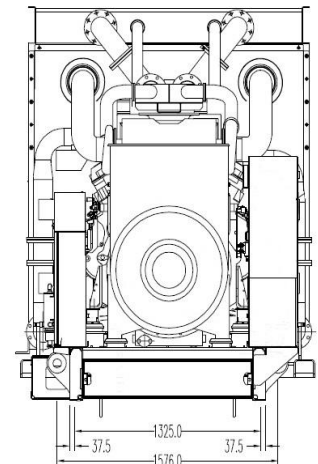
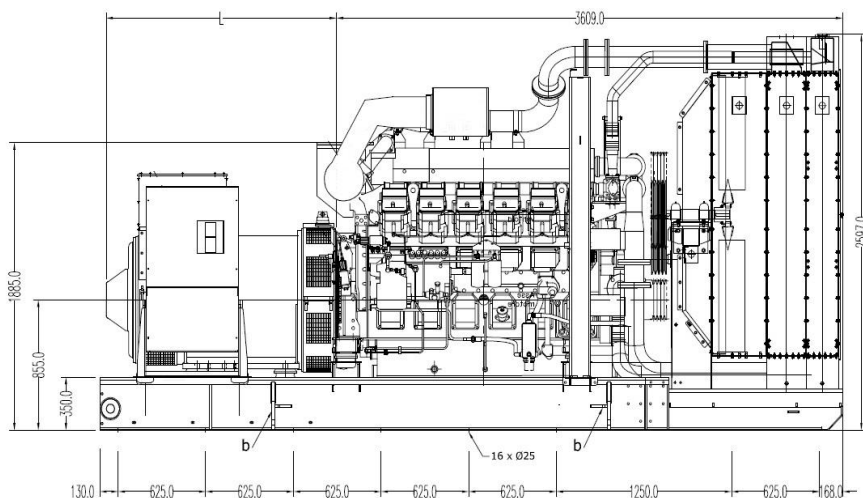
- Static battery charger
- Manual for application and installation
- Generators Sets' voltage and frequency regulation comply with ISO 8528-5
- Generators Sets' can take 100% load at one step according to NFPA110

General characteristics

- Frequency (Hz) 50
- Engine Make and Model MITSUBISHI S12A2-DTA

POWER

VOLTAGE	STANDBY RATING ESP		PRIME RATING ESP		STANDBY AMPER
	kW	kVA	kW	kVA	
400/231	704	880	640	800	1270.21





ENGINE SPECIFICATIONS

Engine	MITSUBISHI
Engine Model	S12A2-PTA
Number of Cylinder (L)	12 cylinders – v type
Bore (mm.)	150
Stroke (mm.)	160
Displacement (lt.)	33.93
Aspiration	Turbo Charged and After Cooled
Compression Ratio	14.5:1
RPM (d/dk)	1500
Oil Capacity (Total With Filter) (lt)	120
Stand by Power kwm/hp (gross)	746/100
Prime Power kwm/hp (gross)	679/910
Block Heater QTY	2
Block Heater Power (Watt)	3000
Fuel Type	Diesel
Injection Type and System	Direct
Type of Fuel Pump	Mitsubishi PS6 x2 (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)	1140
Coolant Capacity (engine only / with radiator) (lt)	26.4/220
Air Filter	Dry Type
Fuel Cons. Prime With %100 Load (lt/hr)	171

ALTERNATOR CHARACTERISTICS

Manufacturer	Mecc Alte
Alternator Made and Model	ECO 43-1S/4 A
Frequency (Hz)	50
Power (kVA)	8000
VOLTAGE (V)	400
Phase	3
A.V.R.	DER1
Voltage Regulation	(+/-)1%
Protection	H
Insulation System	IP21
Rated Power Factor	0.8
WEIGHT WOUND ROTOR (Kg)	478

Open Gen. Set Dimensions (mm)

LENGHT	43700
WIDTH	1970
HEIGHT	2180
DRY WEIGHT (kg.)	6965
TANK CAPACITY (lt.)	850/1500

Gen. Set Canopy Dimensions (mm)

LENGHT 5410	6500
WIDTH 1860	2200
HEIGHT 2650	2350
DRY WEIGHT (kg.) 7680	9840
TANK CAPACITY (lt.) 1300	800/1500

CONTROL PANEL

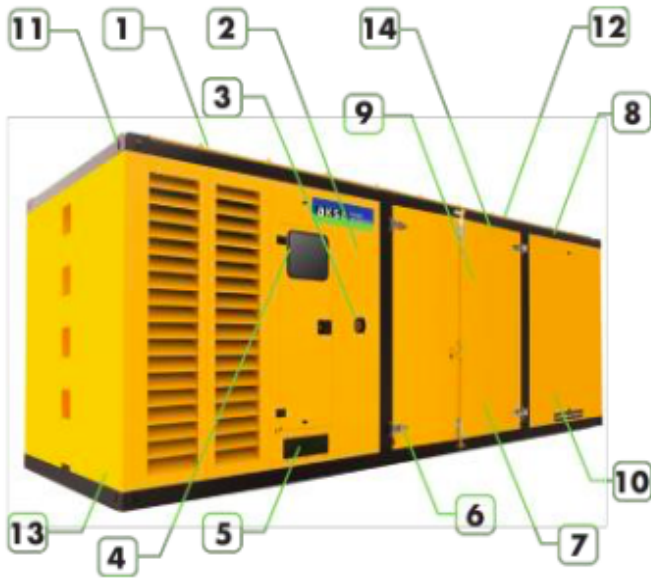
- Control Module DSE
- Control Module Model 7320
- Communication Ports MODBUS



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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1. Steel structure made from steel sheet and steel profiles.
2. canopy and panels made from powder coated sheet steel.
3. Emergency stop push button.
4. Control panel is mounted on the base frame . Located at the right side of the generator set.
5. Cables out locations are under or back of the canopy.
6. Corrosion resistant locks and hinges.
7. oil could be drained via valve and a hose
8. Exhaust system in the canopy.
9. special large access doors (marine type) for easy maintenance
10. Fuel tank is at front of the canopy ,easy access to the fuel tank via lockable door.
11. Lifting points similar to ISO container , located on each top corner of the canopy.
12. the cap on the canopy provides easy access to radiator cap.
13. sound proofing materials
14. Integrated ladder built in to side of the canopy allows access to the top of the canopy.

OPTIONAL EQUIPMENTS

ENGINE

- Remote Radiator Cooling
- Fuel-Water Separator Filter

TRANSFER SWITCH

- Three or four pole contactor
- Three or four pole motor

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

ALTERNATOR

- Anti-Condensation Heater
- Main line 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