

MITSUBISHI

Technical Specifications



ENGINE

- MITSUBISHI series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air TO AIR cooled /turbocharged & air to water COOLED
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1,

EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid.

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed
- Start/stop failure
- Low radiator water level



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

MITSUBISHI Series

Diesel Generator Sets

MITSUBISHI Series Diesel Generator Sets 2200-2550 kVA

MODEL				E MH ST 2200	E MH ST 2550	
GROUP	GEN-SET POWER	STAND BY	kVA	2200	2530	
			kW	1760	2024	
		PRIME	kVA	2000	2286	
			kW	1600	1828	
	CANOPY DIMENSION (W x L x H) mm				4220 x 9000 x 2440	4220 x 9000 x 2440
	CANOPY WEIGHT kg				21672.2	22371
	OPEN DIMENSION (W x L x H) mm				3940 x 5770 x 2320	3940 x 5720 x 2300
	OPEN WEIGHT				14472.2	15171
ENGINE	BRAND			MITSUBISHI	MITSUBISHI	
	TYPE			S16R-PTAA2	S16R2-PTAW	
	POWER	STAND BY	kW	1895	2106	
			PRIME	kW	1684	1899
	SPEED (rpm)			1500	1500	
	CYCLE			4	4	
	DISPLACEMENT (lt)			65.37	79.9	
	NUMBER OF CYLINDERS			16 V	16 V	
	BORE x STROKE (mm x mm)			170 X 180	170 X 220	
	COMPRESSION RATIO			13.5:1	14.0:1	
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO AIR COOLED / INTER COOLER	TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	
	COMBUSTION SYSTEM			DIRECT	DIRECT	
	COOLING SYSTEM			WATER	WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		402.12	500.2	
		%75 PRIME POWER		307.58	369.9	
		%50 PRIME POWER		215.04	251.3	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			230	290		
TOTAL COOLANT CAPACITY (lt)			400	500		
FUEL TANK CAPACITY (lt)			N/A	N/A		

Emsa reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.