

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
 Low radiator water level
- Start/stop failure



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 1385-1656 kVA

MODEL				E MH ST 1385	E MH ST 1500	E MH ST 1656
GROUP	GEN-SET POWER	STAND BY	kVA	1350	1500	1650
			kW	1080	1200	1320
		PRIME	kVA	1260	1350	1500
			kW	1008	1080	1200
	CANOPY DIMESNION (W x L x H) mm			3565 x 7000 x 2440	3565 x 7000 x 2440	3820 x 8000 x 2440
	CANOPY WEIGHT kg			17539	17594	18779
	OPEN DIMENSION (W x L x H) mm			3260 x 4420 x 2020	3260 x 4420 x 2020	3570 x 4900 x 2240
	OPEN WEIGHT			11939	11994	12379
ENGINE	BRAND			MITSUBISHI	MITSUBISHI	MITSUBUSTIM
	ТҮРЕ			SIZR-PTA	SI2R-PTA2	SI2R-PTAA2
	POWER	STAND BY	kW	1190	1285	1404
		PRIME	kW	1080	1165	1277
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (It)			49,03	49,03	49,03
	NUMBER OF CYLNDERS			12 V	12 V	12 V
	BORE x STROKE (mm x mm)			170 X 180	170 X 180	170 X 180
	COMPRESSION RATIO			14,0 : 1	13,5 : 1	13,5 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	TURBOCHARGED - AIR TO WATER COOLED / AFTER COOLER	TURBOCHARGED - AIR TO AIR COOLED / INTER COOLER
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION	%100 PRIME POWER		261,31	280,03	308,97
		%75 PRIME POWER		201,75	211,41	231,73
	lt / h	%50 PRIME POWER		146,03	150,15	161,56
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			180	180	180
	TOTAL COOLANT CAPACITY (It)			335	305	368
	FUEL TANK CAPACITY (It)			N/A	N/A	N/A

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











