



## MG-MHE-1905

MITSUBISHI Series Diesel Generator Sets

|          |     |      |
|----------|-----|------|
| Stand by | kVA | 1905 |
|          | kW  | 1524 |

|       |     |      |
|-------|-----|------|
| PRIME | kVA | 1750 |
|       | kW  | 1400 |



MITSUBISHI



EMSA



Smart 500 mk



Water Cooled



50 hz



3 phase



Easy maintenance



Modular type sound-proof canopy



Diesel



Remote control system



Warning system for decreasing fuel



## Engine Specifications

- MITSUBISHI series heavy duty diesel engine
- 4 Cycle, Water Cooling system, TURBOCHARGED - AFTERCOOLER Induction
- Electronic governor system
- 12/24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Flexible fuel pipe
- Oil discharge valve and extension 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

|                     |             |      |                                           |                            |  |
|---------------------|-------------|------|-------------------------------------------|----------------------------|--|
| Model               | S16R PTA    |      | Governor type                             | Electronic                 |  |
| Power               | Stand by kW | 1590 | Induction                                 | TURBOCHARGED - AFTERCOOLER |  |
|                     | Prime kW    | 1450 |                                           |                            |  |
| Speed (rpm)         | 1500        |      | Combustion System                         | Direct                     |  |
| Cycle               | 4           |      | Cooling system                            | Water                      |  |
| Displacement (lt)   | 65,37       |      | Fuel consumption 100%                     | 342                        |  |
| Number of cylinders | 16 V        |      | (lt/h) 75%                                | 260                        |  |
| Bore & Stroke       | 170 x 180   |      | 50%                                       | 183                        |  |
| Compression ratio   | 14,0 : 1    |      | Total lubrication system capacity (lt)230 |                            |  |
|                     |             |      | Total coolant capacity (lt) 368           |                            |  |



## Alternator Specifications

- 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

|                 |                   |                          |         |
|-----------------|-------------------|--------------------------|---------|
| Brand           | EMSA              | phase                    | 3       |
| Model           | EG450-1350N       | A.V.R.                   | EVC600  |
| Frequency (hz)  | 50                | Voltage regulation (+/-) | ± 1%    |
| Power (KVA)     | 1941              | Insulation system        | Class H |
| Design          | 4 pole, brushless | Protection               | IP23    |
| Connection type | Star              | Rated power factor       | 0,8     |
| Voltage (V)     | 400               | Weight (kg)              | -       |



## Container

- Chassis parts and load-bearing construction are manufactured from 140mm NPU
- The base metal sheet is manufactured from 2/3 diamond-shaped metal sheet
- Sidewall metal sheets are manufactured from 1.5mm ST 37 DKP trapezoidal metal sheet
- The top metal sheet will be manufactured from 1.5mm ST 37 DKP trapezoidal metal sheet
- Air disposing and suction parts are manufactured with the normal shutter in bolt-mounted hot-plug
- Lifting lugs are manufactured to bear the total load of the container (with generator)(8 pcs ISO Locked)
- PPG RAL 9010 paint application is followed for painting
- Internal illumination has 2x1x18 Watt waterproof fixture and 1x1x16 A monophasic plug fitting

- Top wall isolation is 0.8mm galvanised perforated metal sheet coating on 8cm fibro-glass glass wool plate
- The double-winged main door is manufactured with a pipe-type locking mechanism
- Service doors are manufactured with 4 single-winged and internal panic bar mechanisms to be locked outside (These doors are designed mounted inside the container body and doorknobs do not exceed container body)
- Emergency stop button on long edges
- Warning signs are placed to necessary places inside and outside the container



|                                                                                    |                              |       |
|------------------------------------------------------------------------------------|------------------------------|-------|
|   | Dimensions<br>(W x L x H) mm | -X-X- |
|  | Weight (Kg)                  | 0     |
|  | Fuel tank capacity (lt)      | -     |



|                                                                                     |                              |       |
|-------------------------------------------------------------------------------------|------------------------------|-------|
|   | Dimensions<br>(W x L x H) mm | -X-X- |
|  | Weight (Kg)                  | 0     |
|  | Fuel tank capacity (lt)      | -     |

## Silencer options

- Standard industrial type
- Critical type
- Hospital type

## Container Options

- Standard container
- Acoustic container

## Gen-Set safety protection & alarms

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level

- Over current load
- High & low genset voltage
- Start/stop failure

## Optional Equipments

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Modular type 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 separator filter
- PMG warning system