



# MNY1000

# GENERATING SETS

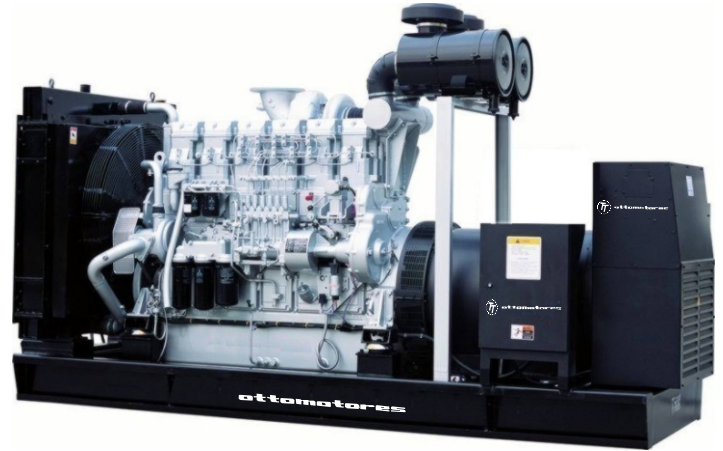
## MITSUBISHI ENGINES

### Rating Definition

Standby Power - Model MNY1000

These ratings are applicable for supplying continuous electrical power (at variable load) in event of a utility power failure.

No overload is permitted on these ratings.



### Technical data

|   |                              |
|---|------------------------------|
| <b>Engine Model:</b>                    | S12H-Y1PTA-3                 |
| <b>Alternator Model:</b>                | HCI634J                      |
| <b>Number of Cylinders:</b>             | 12 Cylinder                  |
| <b>Bore/Stroke :mm(h)</b>               | 5.91 x 6.89 (150 x 175)      |
| <b>Compreton ratio:</b>                 | 14.5:1                       |
| <b>Aspiration:</b>                      | Turbo & Low Temp.Aftercooled |
| <b>Frequency:</b>                       | 60 Hz                        |
| <b>Engine Speed:</b>                    | 1800 rpm                     |
| <b>Gross engine powerBHP(kW/m)</b>      | 1528 (1140)                  |
| <b>BMEPpsi (kgf/cm<sup>2</sup>)</b>     | 297 (20.9)                   |
| <b>Piston Speedft/min (m/s)</b>         | 2067 (10.5)                  |
| <b>Fuel Consump / hr - 100%load</b>     | 240                          |
| <b>Heat Rejection to Exhaust System</b> |                              |
| BTU/min (kcal/hr)                       | 55416 (837876)               |
| <b>Heat Rejection to Engine Jacket</b>  |                              |
| RadiatorBTU/min (kcal/hr)               | 41752 (631279)               |
| <b>Radiator cooling Air Flow:</b>       |                              |
| m <sup>3</sup> /seg -CFM                | 1800 (63558)                 |
| <b>Exhaust Gas Flowm (liter/s)</b>      | 9392 (266)                   |

### Output Ratings

| Frequency | Models  | Voltage   | Ratings at 0.8pf |      |
|-----------|---------|-----------|------------------|------|
|           |         |           | kVA              | kWe  |
| 60 Hz     | MNY1000 | 220-440 V | 1250             | 1000 |

### Dimensions and Weights

| Lengthm | Widthm | Heightm | Drykgs | Wetkgs |
|---------|--------|---------|--------|--------|
| 428     | 206    | 246     | 4300   | 4560   |

**Note:** Standard reference conditions 25°C (77°F) Air inlet Temperature. All engines performance data based on the adobe metioned maximum continuos ratings. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85.

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