



## Engine Specifications

### DIESEL ENGINE DATA

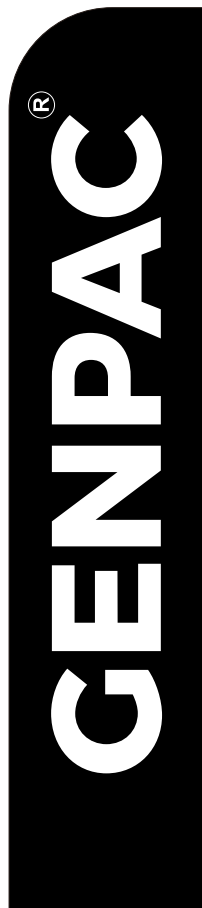
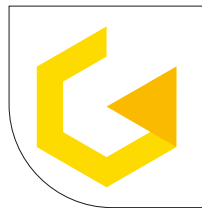


|                              |                                  |
|------------------------------|----------------------------------|
| Engine Model                 | MTU 12V4000G14F                  |
| No Of Cylinder / Arrangement | 12 , V                           |
| Cycle                        | 4 Stroke                         |
| Aspiration                   | Turbo, Water/Air Cooling         |
| Bore X Stroke                | 170 X 210 mm                     |
| Displacement Total           | 57.2 Liters                      |
| Compression Ratio            | 16.5: 1                          |
| Combustion System            | Common Rail Fuel Injection       |
| Direction Of Rotation        | Left, Viewed On Flywheel         |
| Cooling System               | Water Cooled                     |
| Air Intake System            | Standard Single Stage Air Filter |

### GENERATOR DATA



|                  |              |
|------------------|--------------|
| Manufacture      | Rexford      |
| Phase Power      | 3            |
| Voltage          | 230/400 Volt |
| Power Factor     | 0.8          |
| Coupling         | Direct       |
| Bearing Number   | 1            |
| Index Protection | 22           |
| Insulation Class | H            |
| Exciter Type     | S Hunt       |
| Pole Number      | 4            |



| Rating<br>50 Hz (1500 RPM) | KVA  | KW   |
|----------------------------|------|------|
| Continuous (C)             |      |      |
| Prime (P)                  | 1550 | 1240 |
| Standby (S)                | 1660 | 1328 |

## LUBRICATING SYSTEM



Total Lubricant Capacity 260 Liters

## COOLING SYSTEM



Jacket Water Pump

Thermostats

Water Charge Air Cooling

Engine Jacket Water Capacity 160 Liters

Intercooler Coolant Capacity 40 Liters

## FUEL SYSTEM



Flexible Auto Fuel Filling System

Fuel Consumption 189 g/ kwh @ 100% Load  
195 g/ kwh @ 75 % Load

## ELECTRICAL EQUIPMENT

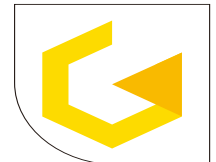


24 Volt Strater Motor


## SAFETY DEVICE



Low Oil Pressure  
High Water Temperature and Overspeed



## Weight & Dimensions

| DIMENSION |    | OPEN  | SILENT |  |
|-----------|----|-------|--------|---|
| Length    | mm | 5625  | 12192  |   |
| Width     | mm | 2150  | 2438   |   |
| Height    | mm | 2650  | 2896   |   |
| Weight    | Kg | 13000 | 19000  |   |

