



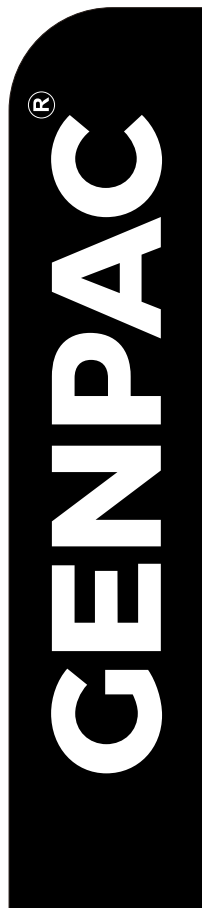
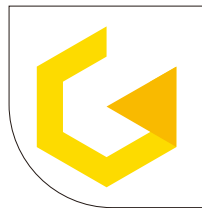
## Engine Specifications

### DIESEL ENGINE DATA

|                              |                                   |
|------------------------------|-----------------------------------|
| Engine Model                 | VOLVO TAD1342GE                   |
| No Of Cylinder / Arrangement | 6 , in Line                       |
| Cycle                        | 4 Stroke                          |
| Aspiration                   | Turbocharged                      |
| Bore X Stroke                | 131 X 158 mm                      |
| Displacement Total           | 12.78 liters                      |
| Compression Ratio            | 18.1 : 1                          |
| Combustion System            | Direct Injection                  |
| Direction Of Rotation        | Anti Clockwise Viewed On Flywheel |
| Cooling System               | Water Cooled                      |
| Air intake system            | Mounted 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)                  | 350 | 280 |
| Standby (S)                | 385 | 308 |

## LUBRICATING SYSTEM



|                                      |           |
|--------------------------------------|-----------|
| Wet Oil dipstick                     |           |
| Full-Flow Oil Filter Of Spin-On Type |           |
| By-pass oil filter of spin-on type   |           |
| Oil cooler, Side Mounted             |           |
| Low noise oil sump                   |           |
| Total Lubrication Capacity           | 36 Liters |

## COOLING SYSTEM



|                           |           |
|---------------------------|-----------|
| Radiator Incl Intercooler |           |
| Thrust Fan                |           |
| Total coolant capacity    | 24 Liters |

## FUEL SYSTEM



|                                 |                                                                |
|---------------------------------|----------------------------------------------------------------|
| Fuel Filters Of Disposable Type |                                                                |
| Electronic unit injectors       |                                                                |
| Pre Filter With Water Separator |                                                                |
| Fuel Consumption                | 191 g/kwh @ 100% Prime Power<br>191 g/kWh @ 100% Standby Power |

## ELECTRICAL EQUIPMENT

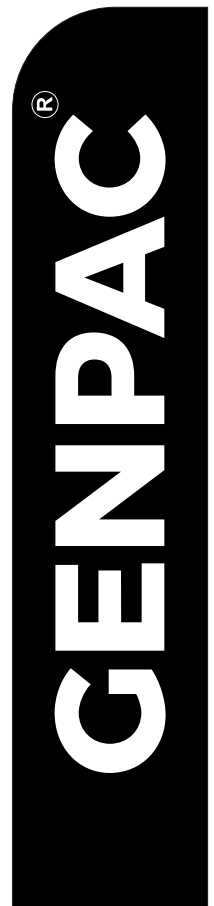
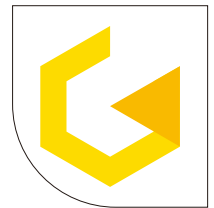


|                            |
|----------------------------|
| Alternator 80 A, 24V       |
| Starter Motor 7.0 Kw, 24 V |


## SAFETY DEVICE



|                                      |
|--------------------------------------|
| Low Oil Pressure                     |
| High Water Temperature and Overspeed |



## Weight & Dimensions

| DIMENSION |    | OPEN | SILENT |  |
|-----------|----|------|--------|-------------------------------------------------------------------------------------|
| Length    | mm | 3200 | 4000   |                                                                                     |
| Width     | mm | 1200 | 1400   |                                                                                     |
| Height    | mm | 2300 | 2050   |                                                                                     |
| Weight    | Kg | 2764 | 3787   |                                                                                     |

