



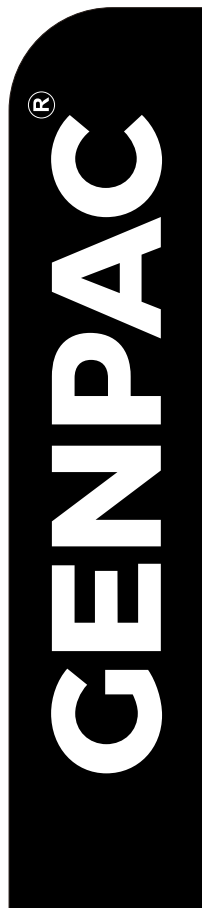
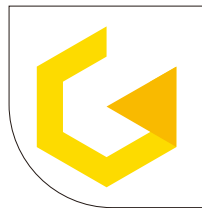
## Engine Specifications

### DIESEL ENGINE DATA

|                              |                                   |
|------------------------------|-----------------------------------|
| Engine Model                 | Perkins 403A-15G                  |
| No Of Cylinder / Arrangement | 3, In Line                        |
| Cycle                        | 4 Stroke                          |
| Aspiration                   | Naturally Aspirated               |
| Bore X Stroke                | 84 x 90 mm                        |
| Displacement Total           | 1.5 liters                        |
| Compression Ratio            | 22.5 : 1                          |
| Combustion System            | Indirect Injection                |
| Direction Of Rotation        | Anti Clockwise Viewed On Flywheel |
| Cooling System               | Water Cooled                      |
| Air Intake System            | Mounted Air Filters               |

### GENERATOR DATA

|                  |              |
|------------------|--------------|
| Manufacture      | Stamford     |
| Phase Power      | 3            |
| Voltage          | 230/400 Volt |
| Power Factor     | 0.8          |
| Coupling         | Direct       |
| Bearing Number   | 1            |
| Index Protection | 23           |
| Insulation Class | H            |
| Exciter Type     | S Hunt       |
| Pole Number      | 4            |



| Rating<br>50 Hz (1500 RPM) | KVA | KW |
|----------------------------|-----|----|
| Continuous (C)             |     |    |
| Prime (P)                  | 13  | 10 |
| Standby (S)                | 15  | 12 |

## LUBRICATING SYSTEM



Spin-on full flow lub oil filter

Wet steel sump with filler  
and dipstick

Total Lubrication Capacity **6.0 Liters**

## SAFETY DEVICE



Low Oil Pressure

High Water Temperature and Overspeed

## COOLING SYSTEM



Thermostatically-Controlled  
System With Belt Driven  
Coolant Pump And Pusher  
Fan

Mounted Radiator, piping  
and guards

Total Coolant Capacity **6.0 liters**

## FUEL SYSTEM



Mechanically Governed  
Cassette Type Fuel Injection  
Pump

Split element fuel filter

Fuel Consumption **3.7 L/H @ 100%  
Prime Power**  
**4.1 L/H @ 100%  
Standby Power**

## ELECTRICAL EQUIPMENT

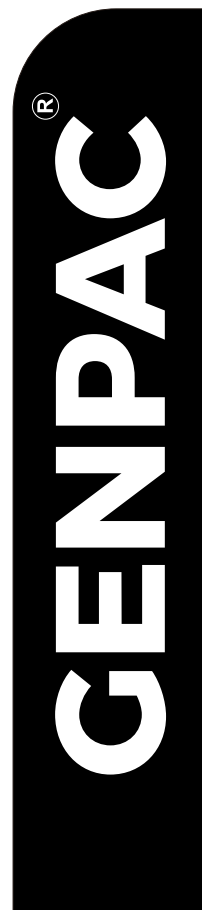
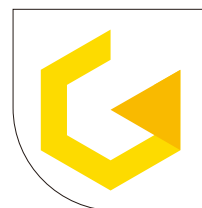


12 volt Electronic Shut Off Solenoid (ESOS) energised to  
run


12 volt starter motor and 12 volt 15 amp alternator  
with DC output

Glow plug cold start aid and heater/starter switch

Oil pressure and coolant temperature switches



## Weight & Dimensions

| DIMENSION |    | OPEN | SILENT |  |
|-----------|----|------|--------|---|
| Length    | mm | 1320 | 1650   |   |
| Width     | mm | 700  | 900    |   |
| Height    | mm | 1160 | 1100   |   |
| Weight    | Kg | 497  | 721    |   |

