

# GORAN GENERATOR

## GGV50 GENSET

Generating Set Powered By



**STAMFORD**



### Output Ratings

| Generating Set Model  | Prime Power   | Standby Power |
|-----------------------|---------------|---------------|
| 1500rpm, 50 Hz / 400V | -             | -             |
| 1800rpm, 60 Hz / 440V | 36KWe / 45KVA | 40KWe / 50KVA |

### Genset Specifications

|  |                 |
|--|-----------------|
| Engine Make & Model                        | Cummins S3.8 G8 |
| Origin                                     | India           |
| Alternator Type                            | Stamford P1144K |
| Control Panel                              | Deap Sea - 6110 |
| Circuit Breaker Type                       | 3 Pole MCB      |
| Water Cooling System                       |                 |
| Mechanical Governor                        |                 |
| Electrical Stop Solenoid, Energized to Run |                 |
| Compact Size                               |                 |

### Fuel System

|                | %50 | %75 | %100 |
|----------------|-----|-----|------|
| 1500rpm, 50 Hz | -   | -   | -    |
| 1800rpm, 60Hz  | 6.0 | 8.5 | 11.1 |

\*Prime Power (l/hr)

### International Standards

Engine confirm to ISO 9001:2000, ISO 14001, ISO 10054, ISO 3046, BS 5514, DIN 6271. Alternator confirm to ISO 9001, ISO 14001, BS EN 60034, BS 5000, VDE 0530, NEMA MG32-I, IEC34 CSA C-22.2100, AS 1359, BS 1 6861, B En -6-610002:2001



### RATING GUIDELINES

**PRIME POWER** rating corresponds to ISO Standard Power for continuous operation. It is applicable for supplying electrical power at variable load for an unlimited number of hours instead of commercially purchased power. A10 % overload capability for governing purpose is available for this rating.

**MAXIMUM STANDBY POWER** rating corresponds to ISO Standard Fuel Stop Power. It is applicable for supplying standby electrical power at variable load in areas with well established electrical networks in the event of normal utility power failure. No overload capability is available for this rating.  $1 \text{ hp} = 1 \text{ kW} \times 1.36$

### Engine Technical Data

|                              |              |
|------------------------------|--------------|
| No. of Cylinders / Alignment | 4/ In Line   |
| Cycle                        | 4 - Stroke   |
| Aspiration                   | Turbocharged |
| Injection                    | Mechanical   |
| Bore, mm                     | 97           |
| Stroke, mm                   | 128          |
| Displacement, l              | 3.8          |
| Compression Ratio            | 17.5:1       |
| Starting                     | 12V Electric |
| Alternators, Amps            | 12V/40A      |

### Alternator Technical Data

|                      |                |
|----------------------|----------------|
| No. of Bearings      | Single Bearing |
| Insulation System    | Class H        |
| Excitation           | Self Excited   |
| Voltage Regulator    | AS480          |
| Protection           | IP23           |
| Temperature Rise, °C | 125            |
| Regulation           | %1.0±          |
| No. of Phases        | 3              |
| No. of Poles         | 4              |

### Dimensions & Weights

| Length(m) | Width(m) | Height(m) | Weight(kg) | Tank Capacity(L) |
|-----------|----------|-----------|------------|------------------|
| 2.05      | 0.90     | 1.30      | 890        | 95               |



