



## CERTIFIED

Genset : GB/T2820-2009, ISO8528.  
Engine : ISO 2046, DIN 6271.  
Alternator : VDE 0530, NEMA MGI-32, IEC34, AS1359.

## FEATURES

**YANMAR Heavy-Duty Engine**  
Rugged industrial diesel delivers reliable power, low emissions and fast response to load changes.

**STAMFORD Brushless Alternator**  
Low reactance 2/3 pitch windings; low waveform distortion with non-linear loads, fault clearing short-circuits capability, and class H insulation.

**Control System**  
DeepSea electronic control is the industry leading standard equipment and provides total genset system integration, including automatic remote starting/stopping, precise voltage regulation, alarm and status message display.

**Cooling System**  
Standard integral set-mounted radiator system, designed and tested for rated ambient temperatures, simplifies facility design requirements for rejected heat.

**Enclosures**  
Optional weather-protective and soundattenuated enclosures are available.

**Warranty**  
Backed by a comprehensive warranty and nation wide distributor network.

**Emergency Standby Power (ESP)**  
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

**Limited-Time Running Power (LTP)**  
Applicable for supplying power to a constant electrical load for limited hours. Limited Time Running Power (LTP) is in accordance with ISO 8528.

**Prime Power (PRP)**  
Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

**Base Load (Continuous) Power (COP)**  
Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

## POWER RATING

| SERVICE      |       | PRP  | ESP |
|--------------|-------|------|-----|
| POWER        | kVA   | 10   | 11  |
| POWER        | kW    | 8    | 9   |
| RATED SPEED  | r.p.m | 1500 |     |
| MAIN TENSION | V     | 400  |     |
| FREQUENCY    | Hz    | 50   |     |

## STANDARD SOUNDPROOFING

 **HSD (High Speed Diesel)**

 **Water Cooling**

 **Three Phase**

 **50 Hz**

 **Diesel**

TRUPOWER has the right to modify any features without prior notice.

Weight and dimensions based on standard products. Illustrations may include optional equipment.

Technical data described in this catalogue correspond to the available information at the moment of printing

The illustrations and image are indicative and may not coincide in their entirety with the product

## ENGINE



### ENGINE SPECIFICATIONS



|                           |                 |              |
|---------------------------|-----------------|--------------|
| Rated Engine Output (PRP) | kW              | 9.9          |
| Rated Engine Output (ESP) | kW              | 11           |
| Manufacturer              | YANMAR          |              |
| Model                     | 3TNV82A-GGE     |              |
| Engine Type               | 4-stroke diesel |              |
| Injection Type            | Direct          |              |
| Aspiration Type           | kVA             | Turbocharged |

|                                     |                   |         |
|-------------------------------------|-------------------|---------|
| Number of cylinders and arrangement | L                 | 3       |
| Bore and Stroke                     | mm                | 82 x 84 |
| Displacement                        | L                 | 1.331   |
| Cooling System                      | Radiator with fan |         |
| Lube Oil Specifications             | 15W40 CF4         |         |
| Compression Ratio                   | 19.2              |         |
| Air Filter Type                     | Dry               |         |

- Diesel engine
- 24V electrical system
- Radiator with pusher fan
- 4-stroke cycle
- Water separator filter (visible level)
- Electronic governor
- Water-cooled
- Dry air filter

## ALTERNATOR



### ALTERNATOR SPECIFICATIONS

|                                |                        |         |
|--------------------------------|------------------------|---------|
| Manufacturer                   | STAMFORD               |         |
| Model                          | SOL1H1                 |         |
| Poles                          | No. 4                  |         |
| Connection type                | (Standard) Series Star |         |
| Insulation                     | Class                  | H class |
| Enclosure (According IEC-34-5) | IP23                   |         |

|                                       |                                |  |
|---------------------------------------|--------------------------------|--|
| Exciter system                        | Self-excited, brushless        |  |
| Voltage regulator A.V.R. (Electronic) | AS540                          |  |
| Bracket type                          | Single bearing                 |  |
| Coupling system                       | Flexible disc                  |  |
| Coating type                          | Standard (Vacuum impregnation) |  |

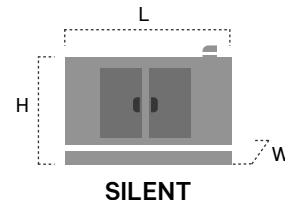
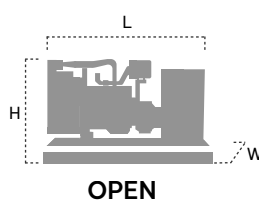
- Self-Excited / Aux winding
- H class insulation
- IP23 protection

## WEIGHT AND DIMENSION



|                      |       | OPEN   | SILENT |
|----------------------|-------|--------|--------|
| *Max shipping volume | m3    | 1.45   | 1      |
| *Length (L)          | mm    | 1300   | 1500   |
| *Width (W)           | mm    | 700    | 704    |
| *Height (H)          | mm    | 1600   | 950    |
| *Weight              | Kg    | 382    | 518    |
| *Wet Weight          | Kg    | 425.35 | 561.35 |
| *Autonomy (100% PRP) | Hours | 6      | 6      |

\*Approx dimension, custom units may slightly vary



Sound pressure level  
dB(A)@7m 65 ± 4

## APPLICATION DATA

### EXHAUST SYSTEM

|                               |     |       |
|-------------------------------|-----|-------|
| Maximum exhaust temperature   | °C  | 490   |
| Maximum allowed back pressure | kpa | 12.75 |

### FUEL CONSUMPTION

|                           |     |      |
|---------------------------|-----|------|
| Fuel Consumption ESP      | L/h | 3.24 |
| Fuel Consumption 100% PRP | L/h | 2.89 |
| Fuel Consumption 75% PRP  | L/h | 2.17 |
| Fuel Consumption 50% PRP  | L/h | 1.44 |

### STARTING TIME

|                     |     |    |
|---------------------|-----|----|
| Recommended battery | Ah  | 65 |
| Auxiliary Voltage   | Vdc | 12 |

### NECESSARY AMOUNT OF AIR

|                             |        |       |
|-----------------------------|--------|-------|
| Intake air flow             | m³/min | 2.94  |
| Alternator cooling air flow | m³/s   | 0.058 |

### FUEL SYSTEM

|                         |   |        |
|-------------------------|---|--------|
| Fuel Oil Specifications |   | Diesel |
| Fuel Tank Standard      | L | 17.34  |

- Steel chassis
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- External emergency stop switch
- Bodywork made from high quality steel plate
- High mechanical strength
- Low noise emissions level
- Soundproofing provided by high-density material
- Powder coating
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Fuel tank drain plug
- Reinforced lifting hooks for crane hoisting
- Oil sump extraction kit
- IP Protection according to ISO 8528-13:2016