# Power Generation
## Soundproofed
## N45

# GS NEF50-ne
## 50 kVA (40 kWe) @ 1500 rpm
## Non Emissions Certified

POWER GENERATION

## SPECIFICATIONS

| | | |
|---|---|---|
| Engine Model | | N45AM2 |
| Cylinders Arrangement | | 4L |
| Total Displacement | liters | 4.5 |
| Thermodynamic Cycle | | Diesel 4 stroke |
| Injection System | | M |
| Air Handling | | NA |
| Specific fuel consumption at 1500 Stand-by | g/kWh (l/h) | 14.6 (239) |
| Specific fuel consumption at 1500 Prime Power | g/kWh (l/h) | 11.6 (208.5) |
| Specific fuel consumption at 1500 80% Prime Power | g/kWh (l/h) | 9.8 (220.5) |
| Specific fuel consumption at 1500 50% Prime Power | g/kWh (l/h) | 6.2 (224) |
| Specific fuel consumption at 1800 Stand-by | g/kWh (l/h) | - (-) |
| Specific fuel consumption at 1800 Prime Power | g/kWh (l/h) | - (-) |
| Specific fuel consumption at 1800 80% Prime Power | g/kWh (l/h) | - (-) |
| Specific fuel consumption at 1800 50% Prime Power | g/kWh (l/h) | - (-) |
| Fuel specifications | | EN 590 |
| Fuel tank capacity | liters | 240 |

## WEIGHT AND DIMENSIONS

| | | |
|---|---|---|
| Dimensions | LxWxH (mm) | 550 x 1030 x 1550 |
| Dry Weight | Kg | 1290 |

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

## PERFORMANCES

| | | |
|---|---|---|
| Rated Stand-by Power at 1500 rpm | kVA (kWe) | 55 (44) |
| Rated Prime Power at 1500 rpm | kVA (kWe) | 50 (40) |
| Rated Prime Power at 1800 rpm | kVA (kWe) | - (-) |
| Rated Continuous at 1500 rpm | kVA (kWe) | - (-) |
| Rated Stand-by Power at 1800 rpm | kVA (kWe) | - (-) |
| Rated Continuous at 1800 rpm | kVA (kWe) | - (-) |

## SOUND POWER

| | | |
|---|---|---|
| Measured at 7m | dB(A) | 70.000 |

PRIME POWER: The prime power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER: The stand-by power is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. No kind of overloads is permissible for this use.

CONTINUOUS POWER: Contact the FPT sales organization.

### LEGEND

**Arrangement**
L (in line)
V (90° "V" configuration)

**Air Handling**
TCA (Turbocharged with aftercooler)
TC (Turbocharged)
NA (Naturally Aspirated)

**Injection System**
M (Mechanical)
ECR (Electronic Common Rail)
EUI (Electronic Unit Injector)
MPI (Multi Point Injection)

**MORE INFORMATION ABOUT CONFIGURATIONS AND ACCESSORIES AVAILABILITY, THROUGH THE WORLDWIDE FPT INDUSTRIAL DISTRIBUTORS NEYWORK**

**NOT ALL MODELS, STANDARD EQUIPMENT AND ACCESSORIES ARE AVAILABLE IN ALL COUNTRIES. SPECIFICATIONS AND OPTIONS MAY CHANGE WITHOUT NOTICE**

## OPTIONAL EQUIPMENT

| | |
|---|---|
| ELECTRICAL SYSTEM | The system which can be 12 V (standard) or 24 V (optional), envisages all the electrical connections between the engine, the generator and the electrical control panel. The electrical panel and the power terminals are located in the rear part of the housing. An aluminium plate allows special cable clips to be inserted. All configurations include an external emergency pushbutton. |
| ELECTRICAL CONTROL PANEL | - Key start control panel: MRS72<br>- Automatic control panel: AMF74<br>- 4P circuit breaker (3P on request) |

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