



دیزل نیرو

واردات و فروش انواع دیزل ژنراتورهای صنعتی

SPECIFICATIONS

| | | | |
|--------------------------------|-----------------------|-------------------------|--|
| Engine Model | N67 TM3A | | |
| Cylinder Arrangement | 6L | | |
| Valves per cylinder (n°) | 2 | | |
| Thermodynamic Cycle | Diesel 4 stroke | | |
| Injection System | M | | |
| Air Handling | TAA | | |
| Flywheel housing (type) | SAE 3 | | |
| Flywheel | 11" 1/2 | | |
| Specific fuel consumption at: | 1500 | 1800 | |
| - Stand-By g/kWh (l/h) [kg/h] | 212.5 (39) [33.2] | 216 (44.2) [37.2] | |
| - Full load g/kWh (l/h) [kg/h] | 212.7 (36) [29.9] | 217.5 (40.1) [33.7] | |
| - 80% g/kWh (l/h) [kg/h] | 213.8 (29) [24] | 220.4 (32.5) [27.3] | |
| - 50% g/kWh (l/h) [kg/h] | 215 (18) [15.1] | 224.7 (20.7) [17.4] | |
| Fuel specifications | EN 590 | | |
| Fuel tank capacity (L) | 180 | | |
| Total Displacement (L) | 6.7 | | |

WEIGHT AND DIMENSIONS

| | |
|---|-------------------|
| Dimensions (LxWxH) | 2800 X 780 X 1423 |
| Dry Weight with standard accessories (may change in function of the alternator) | Kg 1440 |

PERFORMANCE

| Ratings | 1500 rpm | | 1800 rpm | |
|---------------------------|-----------|-----------|-----------|-----------|
| | PRIME | STAND-BY | PRIME | STAND-BY |
| Continuos Power kVA (kWe) | 160 (128) | 176 (141) | 170 (136) | 187 (150) |

Performance according to ISO 8528 conditions.
Power factor 0.8.

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 | Air Handling | InjectionSystem |
|--|--|--|
| L (in line) V (90° "V" configuration) | TAA (Turbocharged with aftercooler) TC (Turbocharged) NA (Naturally Aspirated) | M (Mechanical) ECR (Electronic Common Rail) EUI (Electronic Unit Injector) |

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE WWW.FPTINDUSTRIAL.COM

Main Features

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned. for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator. Special certified fuel tanks with automatic refill are available on request.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

FPT INDUSTRIAL OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE