Power Generation
Soundproofed
N45

GS NEF100
100 kVA (80 kWe) @ 1500 rpm
Stage II

SPECIFICATIONS

Engine Model		NEF45TM2
Cylinders Arrangement		4L
Total Displacement	liters	4.5
Thermodynamic Cycle		Diesel 4 stroke
Injection System		M
Air Handling		TCA
Specific fuel consumption at 1500 Stand-by	g/kWh (l/h)	209.2 (24.4)
Specific fuel consumption at 1500 Prime Power	g/kWh (l/h)	207.7 (22)
Specific fuel consumption at 1500 80% Prime Power	g/kWh (l/h)	203.5 (16.2)
Specific fuel consumption at 1500 50% Prime Power	g/kWh (l/h)	206.5 (11)
Specific fuel consumption at 1800 Stand-by	g/kWh (l/h)	221.8 (29)
Specific fuel consumption at 1800 Prime Power	g/kWh (l/h)	221 (26.3)
Specific fuel consumption at 1800 80% Prime Power	g/kWh (l/h)	220 (19.6)
Specific fuel consumption at 1800 50% Prime Power	g/kWh (l/h)	226 (13.5)
Fuel specifications		EN 590
Fuel tank capacity	liters	240

WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	800 x 1130 x 1760
Dry Weight	Kg	1553

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)	110 (88)
Rated Prime Power at 1500 rpm	kVA (kWe)	100 (80)
Rated Prime Power at 1800 rpm	kVA (kWe)	110 (88)
Rated Continuous at 1500 rpm	kVA (kWe)	- (-)
Rated Stand-by Power at 1800 rpm	kVA (kWe)	121 (97)
Rated Continuous at 1800 rpm	kVA (kWe)	- (-)

SOUND POWER

Measured at 7m	dB(A)	70.000

POWER GENERATION

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 - Automatic control panel: AMF74 - 4P circuit breaker (3P on request)

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