Power Generation
Gensets
N45

GE NEF100MA
100 kVA (80 kWe) @ 1500 rpm
Stage II

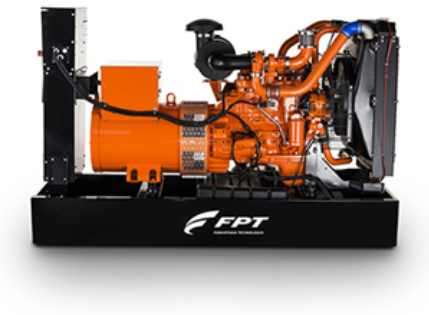
SPECIFICATIONS

Engine Model		N45 TM2A
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	liter	180

WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	2300 x 730 x 1475
Dry Weight	Kg	1160

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

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 -

ELECTRICAL CONTROL PANEL -

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	Air Handling	Injection System
L (in line)	TCA (Turbocharged with aftercooler)	M (Mechanical)
V (90° "V" configuration)	TC (Turbocharged)	ECR (Electronic Common Rail)
	NA (Naturally Aspirated)	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