POWER GENERATION Application

NEF series

GM N60R

60 kVA (50 Hz) @ 1500 rpm
70 kVA (60 Hz) @ 1800 rpm

Stage II

SPECIFICATIONS	1500 rpm	1800 rpm
Engine Model	NEF67AR1M	
Injection System	D	
Air Handling	NA	
Bore x Stroke (mm)	104 X 132	
Cooling System	liquid (water + 50% Paraflu 11)	
Speed governor	electronic GAC	
Fuel specifications	EN 590	
Oil specifications	ACEA E3-E5	
Oil consumption	<0.2% of fuel consumption	
Specific fuel consumption at:		
- Full load l/h (g/kWh)	14 (214.1)	16.9 (218)
- 80% load l/h (g/kWh)	10.7 (221.2)	12.9 (222.4)
- 50% load l/h (g/kWh)	8.1 (249.2)	9.5 (245.4)
Oil and oil filter maintenance interval for replacement [***] (hours)	600	
Electric system (isolated return) (Vcc)	24	
Starting batteries: recommended capacity (Ah)	2x100	
Discharge Current (EN50342) A	650	
Homologation available	RINa	
Emission Certification	none	
Standard generator	Marelli Motori	

WEIGHT AND DIMENSIONS	
Genset Dimensions RINa YES	1850 X 830 X 991
Genset Dimensions RINa NO	- X - X -
Dry Weight	Kg 980

PERFORMANCE				
Ratings [1]	1500 rpm		1800 rpm	
	PRIME	STAND-BY	PRIME	STAND-BY
Continuos Power kVA (kWe)	60 (-)	- (-)	70 (-)	- (-)

1) Net power at flywheel available after 50 hours running with a ±3% tolerance.

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.

CONTINUOS POWER: Contact the FPT sales organization.

Legend

Arrangement	Air Handling	InjectionSystem
L (in line)	V (90° "V" configuration)	M (Mechanical)
V (90° "V" configuration)	TC (Turbocharged)	ECR (Electronic Common Rail)
	NA (Naturally Aspirated)	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

Publication P4M06N006E - 01.12
Specifications subject to change without notice.
Illustrations may include optional equipment.

STANDARD EQUIPMENT

Genset without homologations

Engine:
- Fresh water pump
- Raw water pump
- Oil and fuel filter cartridges
- Wet air cleaner
- Fresh water/raw water heat exchanger
- Raw water cooled exhaust manifold
- 24 Vdc insulated return electrical system
- Lube oil drain pump
- Water temperature sender
- Oil pressure sender
- High water temperature sender
- Low oil pressure sender
- GAC Electronic speed governor
- Dry exhaust elbow with flexible joint
- Baseframe with elastic pads
- Internal test

Instrument panel:
- Rev and hours counter
- Water temperature gauge
- Oil pressure gauge
- Voltmeter
- Starting key
- Stop push button
- Alarm lights
- Buzzer

Terminal box:
- GAC speed control
- Overspeed system
- Local/remote starting switch
- Terminals
- Parallel pre-arrangement

Generator:
- Single bearing
- IP23
- Anticondensation heater
- Class F
- Windings treatment against salt and humidity enviromment

RINa homologation

- Fresh water pump
- Raw water pump
- Wet air cleaner
- Oil and fuel filter cartridges
- Fresh water/raw water heat exchanger
- Raw water cooled exhaust manifold
- 24 Vdc insulated return electrical system
- Water temperature sender
- Oil pressure sender
- Low oil pressure sender
- Very low oil pressure sender
- Water pressure sender
- Clogging air filter sender
- Jacketed fuel pipes leakage sender
- GAC Electronic speed governor
- Jacketed fuel pipes
- Dry exhaust elbow with flexible joint
- Baseframe with elastic pads
- Internal test

Generator:
- Single bearing RINa approved
- IP23
- Anticondensation heater
- Class F
- Windings treatment against salt and humidity enviromment

Electric board:
Front side:
- Rev and hours counter
- Water temperature gauge
- Oil pressure gauge
- Fresh water pressure gauge
- Fuel pressure gauge
- Exhaust gas temperature gauge
- Voltmeter
- Starting key
- Stop push button
- Local/remote starting switch
- Alarm instrument
- Emergency push button
- Buzzer silenting

Internal side:
- GAC speed control
- Motorized potmeter
- Overspeed system
- Terminals
- Parallel pre-arrangement

RINa homologation (AUT-UMS)

As per the RINa homologation adding:
- High water temperature sender
- High lube oil temperature sender
- Fuel pressure sender
- Exhaust gas temperature

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

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