

Specifications

Engine model	NEF45AR1M		
Injection system	direct		
Air intake	NA		
Bore x Stroke	mm	104 x 132	
Cooling system	liquid (water + 50% Paraflu 11)		
Speed governor	electronic GAC		
Fuel specification	EN 590		
Lube oil specification	ACEA E3-E5		
Lube oil consumption	<0.2% of fuel consumption		
Fuel consumption at:	rpm	1500 rpm	1800 rpm
	100% load	l/h (gkWh)	9.6 (218.3) 11.7 (222.5)
	75% load	l/h (gkWh)	7.7 (232.0) 9.0 (230.2)
	50% load	l/h (gkWh)	5.9 (265.0) 6.9 (264.4)
Coolant capacity	l	21	
Lube oil total system including filters	l	11.5	
Oil & filter interval	hours	600	
Insulated return	24 Vdc		
Starting batteries	Ah	2 x 100	
Discharge Current	(EN50342) A	650	
Homologation available	RINa		
Emission Certifications	none		
Genset dimensions	L x W x H mm	RINa NO RINa YES	1475 x 830 x 1180 1475 x 850 x 991
Genset weight	kg	900	
Standard generator	Marelli Motori		

Performance

Ratings ¹		1500 rpm	1800 rpm
Continuous Power output	kVA	40	45

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

GM N40R

40 kVA @ 1500 rpm
45 kVA @ 1800 rpm

RINa

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 environment

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 environment

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
- Buzzer silencing

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
- Low fresh water level sender
- Fuel pressure sender
- Exhaust gas temperature