

# GM N60R

60 kVA @ 1500 rpm

70 kVA @ 1800 rpm

RINa

## Specifications

Engine model	NEF67AR1M		
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)	14.0 (214.1) 16.9 (218.0)
	75% load	l/h (gkWh)	10.7 (221.2) 12.9 (222.4)
	50% load	l/h (gkWh)	8.1 (249.2) 9.5 (245.4)
Coolant capacity	l	24.5	
Lube oil total system including filters	l	16.5	
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	1950 x 830 x 1176
		RINa YES	1950 x 830 x 990
Genset weight	kg	980	
Standard generator	Marelli Motori		

## Performance

Ratings <sup>1</sup>		1500 rpm	1800 rpm
Continuous Power output	kVA	60	70

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

## 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