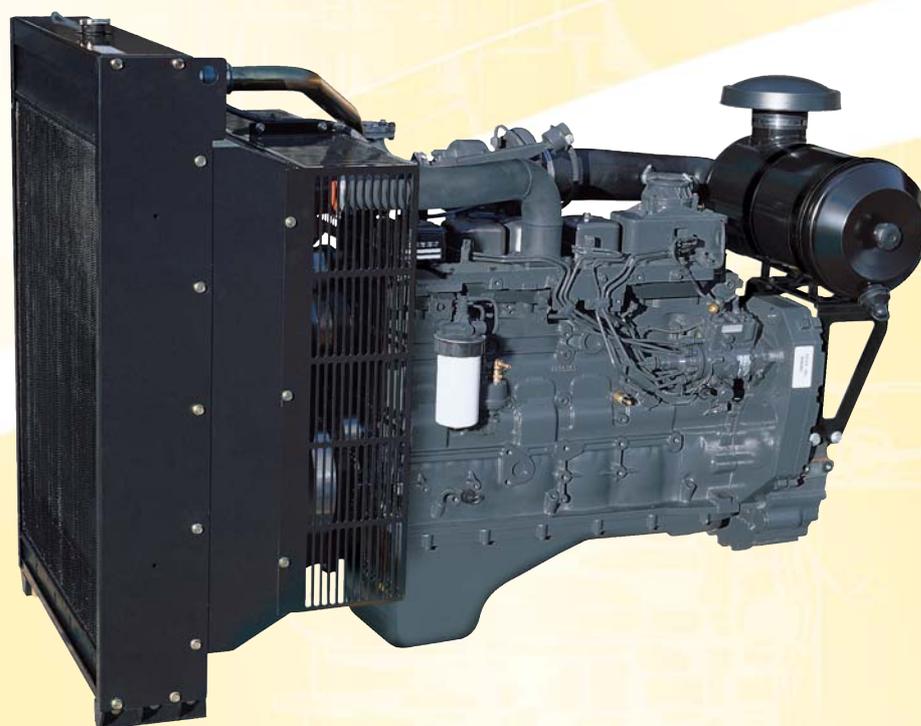


N67 SM1

121 kW@1500 rpm

138 kW@1800 rpm



**ENGINE FOR
POWER GENERATION
APPLICATIONS**

N67 SM1 FOR POWER GENERATION APPLICATIONS

Specifications

Thermodynamic cycle		Diesel 4 stroke, D.I.	
Air intake		TC	
Arrangement		6, in line	
Bore x stroke	mm	104x132	
Total displacement	l	6.7	
Valves per cylinder		2	
Injection system		mechanical	
Speed governor		mechanical	
Cooling system		liquid (water + 50% Paraflu11)	
Flywheel housing/flywheel	type	SAE3 / 11" 1/2	
Flywheel rotation		CCW	
Lube oil specifications		ACEA E3-E5	
Lube oil consumption		<0.1% of fuel consumption	
Fuel specifications		EN 590	
Oil and filters intervals for replacement	hours	600	
Fuel consumption at:	rpm	1500	1800
	100% load l/h (g/kWh)	28.8 (212.5)	33.9 (216.3)
	80% load l/h (g/kWh)	23.2 (214.0)	27.5 (219.4)
	50% load l/h (g/kWh)	14.6 (216.3)	18.3 (233.2)
Coolant capacity: engine only	l	~10.5	
	engine+radiator	l	~40.5
ATB (without canopy)	°C	51	
No remote cooling radiator allowed			
Lube oil total system capacity including pipes, filters etc.	l	~17.2	
Electrical system		12Vcc	
Starting batteries: recommended capacity	Ah	1x100	
Discharge current (EN 50342)	A	800	
Cold starting:	without air preheating	°C -15	
	with air preheating	°C -25	

Performance

Ratings ¹		1500 rpm		1800 rpm	
		PRIME	STAND-BY	PRIME	STAND-BY
Rated Output ²	kWm	110	121	126	138

1) Ratings in accordance with ISO 8528. For duty at temperature over 40°C and/or altitude over 1000 meters must be considered a power derating factor. Contact the FPT sales organization

2) 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.

CONTINUOUS POWER: Contact the FPT sales organization.

N67 SM1 FOR POWER GENERATION APPLICATIONS

Standard Configuration:

FPT engine N67 SM1 equipped with:

- Mounted radiator
- Mounted belt driven pusher fan
- Fan guard
- Mounted air filter with replaceable cartridges
- Fuel filter
- Primary fuel filter/water separator
- Replaceable oil filter
- Front engine mounting brackets
- Flywheel housing SAE3 and flywheel 11" 1/2
- Re-directable exhaust gas elbow
- Recircled oil breather system
- Oil dipstick
- HWT and LOP sensors
- 12Vdc electrical system
- User's handbook

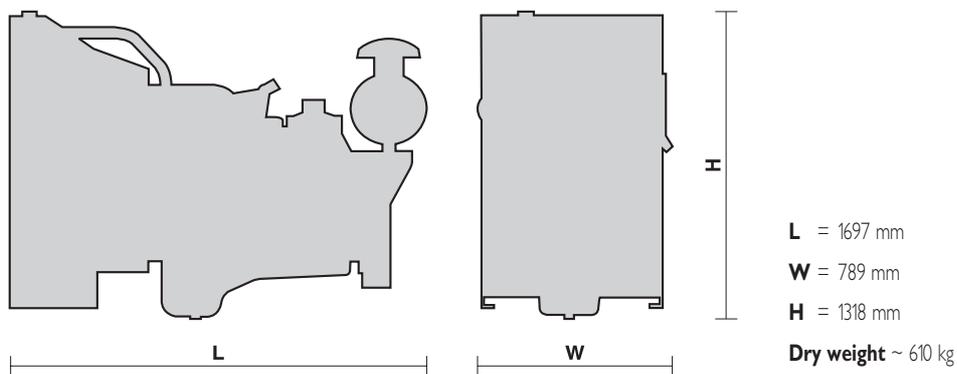
THE ENGINE IS SUPPLIED WITHOUT LIQUIDS

Optional equipment:

On request the engine can be supplied with:

- Oil drain pump
- Oil drain valve
- 120/230 Volt water jacket heater
- WT and OP sensors for gauges
- Low water level sensor
- Turbo and exhaust gas guards
- Exhaust gas flexible joint
- 24Vdc electrical system
- Front radiator guard
- Electronic speed governor

Overall dimensions



ENGINE BENEFITS

- **PERFORMANCE:** Lean lay-out; starting temperature down without auxiliaries down to -15°C ; performance achieved without external EGR; power before derating up to 40°C and 1000 m a.s.l.; engine 1500/1800 rpm switchable; good first step load acceptance in G2 class (ISO 8528-5).
- **SERVICEABILITY:** Worldwide service network.
- **RELIABILITY:** By-pass valve on oil/fuel filters.
- **COST EFFECTIVENESS:** New extended 600 h maintenance intervals (oil and fuel filters change); reduced oil and fuel consumption; new blow-by recirculation system.
- **ENVIRONMENTALLY FRIENDLY:** Reduced noise.
- **CUSTOMER ORIENTATION:** On demand production; standard generator interface SAE 3; small size engines; complete engine power range; consistency with standard and alternative fuels in compliance with regulatory requirements.

FIAT POWERTRAIN TECHNOLOGIES

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FIAT POWERTRAIN TECHNOLOGIES

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LOCAL DISTRIBUTOR