POWER GENERATION APPLICATIONS



N67 SM1
121 kW @ 1500 rpm
138 kW @ 1800 rpm

Air intake TC Arrangement 6L Arrangement 6L Arrangement 104 x 132 Total displacement 1 6-7 //alves per cylinder 2 //alves per cylinder 3 //alves per cylinder 3 //alves per cylinder 4 //alves per cylinder 5 //alves per cylinder 6 //alves per cylinder 7 //alves per cylinder 7 //alves per cylinder 7 //alves per cylinder 8 //alves per cylinder 9 //alves p	Specifications				
Arrangement GL	Thermodynamic cycle		Diesel 4 stroke		
Fore x Stroke mm 104 x 132 Total displacement I 6.7 Alves per cylinder 2 Total displacement I 6.7 Alves per cylinder 2 Total displacement I 6.7 Alves per cylinder 2 Total displacement I 6.7 Mechanical 7.7 Injury of Mechanical 7.7 Mechanical 7.7	Air intake		TC		
Total displacement I 6.7 Alwase per cylinder 2 njection system Mechanical mechanical mechanical injude (water - paraflu 50%) Tooling system Injud (water Injud 50%) Tooling system Injud (Arrangement		6L	=	
Alves per cylinder pjeed governor mechanical peed governor mechanical prom perd governor ACEA E3-E5 CCW Dispecifications (seen from flywheel side) CCW Dispecifications (seen from flywheel side) COW Dispecifications (seen from flywheel side) EN 590 Coll governor EN 590 The specifications (seen from flywheel side) Touris peedications (seen from flywheel side) EN 590 Touris peedications (seen from flywheel side) Touris peedications (seen from fly	Bore x Stroke	mm	104 × 132		
Mechanical mechanical liquid (water - paraflu 50%) Solity wheel housing/flywheel type SAE 3 / 11" 1/2 Direction of rotation (seen from flywheel side) CCW Dispecifications ACEA E3-E5 Di consumption EN 590 Dil and filter maintenance interval for replacement hours Specific fuel consumption at: Improve the first of the fir	Total displacement		6.7		
peed governor mechanical Cooling system liquid (water - paraflu 50%) System SAE 3 / 11" 1/2 Coling system capacity including pipes, filters etc. In consumption	Valves per cylinder		2		
Cooling system Iquid (water - paraflu 50%)	Injection system		Mechanical	*	
type	Speed governor		mechanical		
CCW	Cooling system				
ACEA E3-E5	Flywheel housing/flywheel	type	SAE 3 / 11" 1/2		
Coll consumption Coll of fuel consumption Fine Spo	Direction of rotation (seen from flywheel side)				
EN 590	Oil specifications				
Dil and filter maintenance interval for replacement Hours	Oil consumption	<0.1% of fuel consumption		umption	
Specific 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 I ~10.5 engine+radiator I ~40.5 ATB (without canopy) °C 51 49 No remote cooling radiator allowed I ~17.2 Electric system 12 Vcc I Electric system 12 Vcc I Starting batteries: recommended capacity Ah 1 x 100 Discharge current (EN 50342) A 650 Cold starting: without air preheating °C -10	Fuel specifications	^	EN 590		
100% load I/h (g/kWh) 28.8 (212.5) 33.9 (216.3)	Oil and filter maintenance interval for replacement	hours	600		
80% load l/h (g/kWh) 23.2 (214.0) 27.5 (219.4)	Specific fuel consumption at:				
50% load I/h (g/kWh) 14.6 (216.3) 18.3 (233.2)		,	()	33.9 (216.3)	
Coolant capacity: engine only engine+radiator I ~40.5 ATB (without canopy) °C 51 49 No remote cooling radiator allowed Lube oil total system capacity including pipes, filters etc. Electric system 12 Vcc Starting batteries: recommended capacity Ah 1 x 100 Discharge current (EN 50342) A 650 Cold starting: without air preheating °C -10			1 /	27.5 (219.4)	
engine+radiator I ~40.5 ATB (without canopy) °C 51 49 No remote cooling radiator allowed Lube oil total system capacity including pipes, filters etc. I ~17.2 Electric system 12 Vcc Starting batteries: recommended capacity Ah 1 x 100 Discharge current (EN 50342) A 650 Cold starting: without air preheating °C -10		50% load I/h (g/kWh)	\ /	18.3 (233.2)	
No remote cooling radiator allowed Lube oil total system capacity including pipes, filters etc. Liectric system Starting batteries: recommended capacity Ah 1 x 100 Discharge current (EN 50342) Cold starting: without air preheating C C C C C C C C C C C C C	Coolant capacity: engine only		~10.5		
No remote cooling radiator allowed Lube oil total system capacity including pipes, filters etc. Electric system Starting batteries: recommended capacity Ah 1 x 100 Discharge current (EN 50342) Cold starting: without air preheating Cold starting: without air preheating	engine+radiator				
Lube oil total system capacity including pipes, filters etc. Electric system 12 Vcc Starting batteries: recommended capacity Ah 1 x 100 Discharge current (EN 50342) A 650 Cold starting: without air preheating C -10	ATB (without canopy)	°C	51	49	
Electric system 12 Vcc Starting batteries: recommended capacity Ah 1 x 100 Discharge current (EN 50342) A 650 Cold starting: without air preheating °C -10	No remote cooling radiator allowed				
Starting batteries: recommended capacity Ah 1 x 100 Discharge current (EN 50342) A 650 Cold starting: without air preheating °C -10	Lube oil total system capacity including pipes, filters etc.		~17.2	x 5- 15	
Discharge current (EN 50342) Cold starting: without air preheating C C C C C C C C C C C C C	Electric system		12 Vcc	W.	
Cold starting: without air preheating °C -10	Starting batteries: recommended capacity	Ah	1 × 100		
	Discharge current (EN 50342)	А	650	-	
with air preheating °C -25	Cold starting: without air preheating		-10		
	with air preheating	°C	-25		

Performances

Ratings ¹		150	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 $\pm 3\%$ 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.



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
- Recirculed oil breather system
- Oil dipstick
- HWT and LOP sensors
- 12Vdc electrical system
- User's handbook

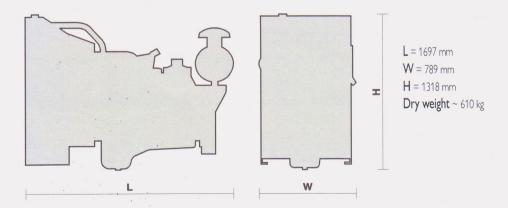
THE ENGINE IS SUPPLIED WITHOUT LIQUIDS

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:



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Decifications subject to change without notice.
Instrations may include optional equipment