N67 280
N67 MNT M28

6 CYLINDERS IN LINE - DIESEL CYCLE
206 kW (280 HP) @ 2800 rpm (A1)
191 kW (260 HP) @ 2800 rpm (B)
169 kW (230 HP) @ 2800 rpm (C)
132 kW (180 HP) @ 2500 rpm (D)

MARINE APPLICATIONS

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N67 MNT M28 FOR MARINE APPLICATIONS

Thermodynamic cycle		Diesel 4 stroke
Air intake		TAA
Arrangement		6L
Bore x Stroke	mm	104 X 132
Total displacement	l	6.7
Valves per cylinder		2
Cooling		liquid
Direction of rotation (viewed facing flywheel)		CCW
Engine management		mechanical
Injection system		mechanical pump

Electrical system

Voltage	V	12

Standard configuration

Flywheel housing	type	SAE 3
Flywheel size	inch	11.5
Air filter		rear side
Turbocharger		cooled
Heat exchanger		tube type
Exhaust cooled elbow		–
Water charge tank		included
Fuel filter	n°	1 - left side
Fuel prefilter		included (loose)
Fuel pump		included
Oil filter	n°	1 - right side
Oil sump		aluminium
Oil vapours blow-by circuit		rear
Oil heat exchanger		built in the crankcase
Oil filler		on timing cover frontward
Starting motor		12 V - 3 kW
Alternator		12 V - 90 A
Engine stop device		electrical excitation
Wiring harness		engine wiring
Painting	colour	white "ICE"

Not included in the standard configuration

Battery - minimum capacity recommended	120 Ah
Battery - minimum cold cranking capacity recommended	900 A

FPT 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, CONTACT THE FPT SALES NETWORK.

N67 MNT M28 **FOR MARINE APPLICATIONS**

Rating type		A1	B	C	D
Maximum power *	kW(HP)	206 (280)	191 (260)	169 (230)	132 (180)
At speed	rpm	2800	2800	2800	2500
Maximum no load governed speed at max rating	rpm		3150		
Minimum idling speed	rpm		650		
Mean piston speed at rated speed	m/s	12.3	12.3	12.3	11.0
BMEP at max torque	kg/cm^2	18.2	15.2	11.2	11.3
Available certifications			RINA	CCNR	
Specific fuel consumption at full load (best value)	g/kWh @ rpm		214 @ 2000		
Oil consumption at max rating	(% of fuel consumption)		≤ 0.2		
Minimum starting temperature without auxiliaries	°C		- 15		
Oil and oil filter maintenance interval for replacement	hours		600		

* **Net Power** *at flywheel according to ISO 3046/1, after 50 hours running, fuel Diesel EN 590. Power tolerance 5%.*
Test conditions: *ISO 3046/1, 25 °C air temperature, 100 kPa atmospheric pressure, 30% relative humidity.*

A1 = High performance crafts.
B = Light duty.
Full throttle operation restricted within 10% of total use period.
Cruising speed at engine rpm < 90% of rated speed setting - Maximum useage:
- 300 hours per year (A1 service)
- 1500 hours per year (B service).

C = Medium duty.
Full throttle operation < 25% of use period.
Cruising speed at engine rpm < 90% of rated speed setting - Maximum useage 3000 hours per year.

D = Heavy duty.
Maximum rating utilisation up to 100% of use period,for unlimited hours per year.

L = 1236 mm

W = 780 mm

H = 793 mm

Dry weight (without marine gear) = 605 kg

ENGINE BENEFITS

- **PERFORMANCE:** Ratings, consumption and emissions optimisation due to modern mechanical injection systems; high torque at low rpms.
- **SERVICEABILITY:** Widespread and quick service.
- **RELIABILITY:** Functional design; long engine life.
- **COST EFFECTIVENESS:** Fuel consumption reduction; maintenance and overhaul intervals extension.
- **ENVIRONMENTALLY FRIENDLY:** Noise, gaseous emissions and vibrations reduction.
- **CUSTOMER ORIENTATION:** Wideness of uses, propulsion certifications and emissions; availability of accessories range.

LOCAL DISTRIBUTOR

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Specifications subject to change without notice
Illustrations may include optional equipment.

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