

NEF series**SPECIFICATIONS**

Thermodynamic Cycle	Diesel 4 stroke
Air Handling	TAA
Arrangement	6L
Bore x Stroke (mm)	102 X 120
Total Displacement (l)	5.9
Valves per cylinder (n°)	4
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Engine management	by EDC (Electronic Diesel Control)
InjectionSystem	ECR

STANDARD CONFIGURATION

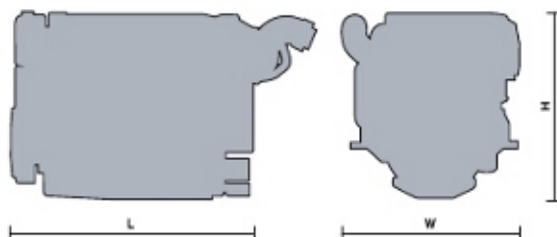
Flywheel housing (type)	SAE 3
Flywheel size (inch)	11" ½
Air Filter	rear side
Turbocharger	Fixed Geometry (water cooled) Turbo with Aftercooler (TAA)
Heat Exchanger	tube type
Exhaust gas water mixer - Exhaust cooled elbow	-
Water charge tank	included
Fuel filter (n°)	1 - left side
Fuel prefilter	included (loose)
Fuel Pump	included
Lift pump	-
Oil filter (n°)	1 - right side
Oil sump	aluminium
Oil vapours blow-by circuit	rear
Oil heat exchanger	built in the crankcase
Oil filler	by cylinder head cover
Starter	12V - 3kW
Alternator	12V - 90A
Engine stop device	by electronic central unit
Wiring harness	with negative to ground connection
Painting color	white "ICE"

**ELECTRICAL SYSTEM**

Voltage	12
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NOT INCLUDED IN STANDARD CONFIGURATION

Battery - minimum capacity recommended [*] (Ah)	120
Battery - minimum cold cranking capacity recommended [*] (A)	900

WEIGHT AND DIMENSIONS

L = 1072

W = 739

H = 778

Dry Weight (without marine gear)= Kg 595

Legend

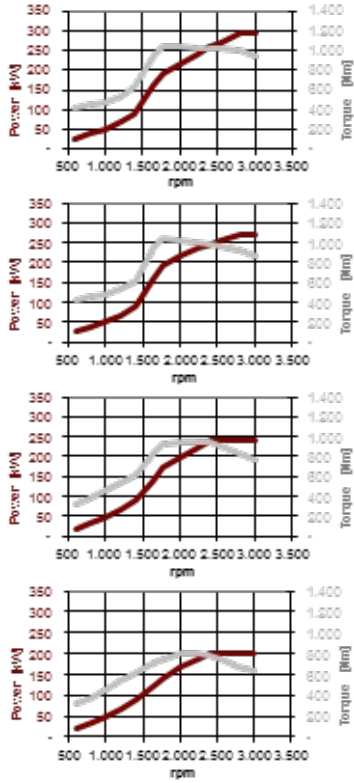
Arrangement	Air Handling	Turbocharger	InjectionSystem	
L (in line)	TAA (Turbocharged with aftercooler) TC (Turbocharged)	WG (Wastegate) VGT (Variable Geometry)	M (Mechanical) ECR (Electronic Common Rail)	SD: Stern Drive version PD (POD Drive version)

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE WWW.FPTINDUSTRIAL.COM



RATING TYPE	A1	A2	B	C
Maximum power (kW(HP))@rpm	294 (400) @ 3000	272 (370) @ 3000	243 (330) @ 3000	199 (270) @ 3000
High idle speed (rpm)	3150	3150	3150	3150
Low idle speed (rpm)	± 600	± 600	± 600	± 600
Mean piston speed at rated speed (m/s)	-	-	-	-
BMEP at max power (kg/cm)	-	-	-	-
Specific fuel consumption at full load (best value) (g/kWh @ rpm)	-	-	-	-
Oil consumption at max rating (% of fuel cons.)	-	-	-	-
Minimum starting temperature without auxiliaries (°C)	-	-	-	-
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%.



- A1 High Performance Crafts. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 300 hours per year.
- A2 Pleasure Commercial Vessels. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 1000 hours per year.
- B Light Duty: Full throttle operation restricted within 10% of use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 1500 hours per year.
- C Medium Duty: Full throttle operation < 25% of use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 3000 hours per year.
- D Heavy Duty

FPT INDUSTRIAL 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

