

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

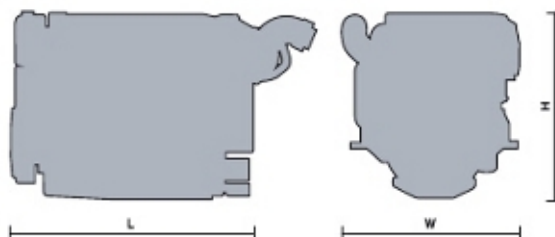
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|------------------------------------------------|------------------------------------------------------------|
| Flywheel housing (type) | SAE 3 |
| Flywheel size (inch) | 11 ½ |
| Air Filter | rear side |
| Turbocharger | Fixed Geometry (water cooled) 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 |
|---------|----|

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

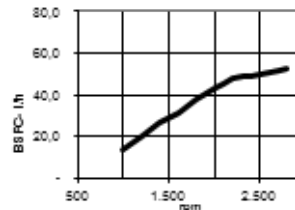
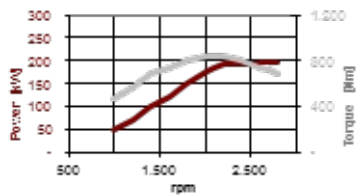
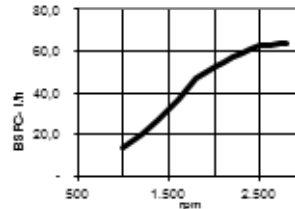
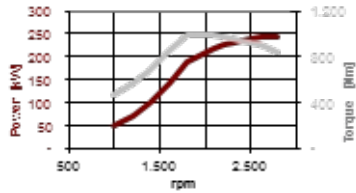
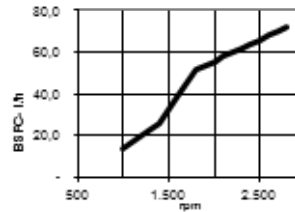
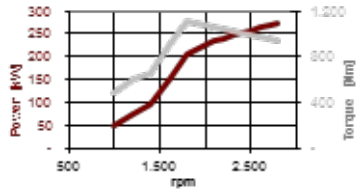
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|-------------|----------------------------------------------------------|-------------------------------------------|------------------------------------------------|---------------------------------------------------|
| Arrangement | Air Handling | 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) | 272 (370) @ 2800 | - | 243 (330) @ 2800 | 199 (270) @ 2800 |
| High idle speed (rpm) | 3000 | - | 3000 | 3000 |
| Low idle speed (rpm) | ± 600 | -- | ± 600 | ± 600 |
| Mean piston speed at rated speed (m/s) | 11.2 | - | 11.2 | 11.2 |
| BMEP at max power (kg/cm) | 23.3 | - | 21.8 | 19.8 |
| Specific fuel consumption at full load (best value) (g/kWh @ rpm) | 207 @ 2000 | - | 207 @ 2000 | 207 @ 2000 |
| Oil consumption at max rating (% of fuel cons.) | | | ≤ 0.2 | |
| Minimum starting temperature without auxiliaries (°C) | | | -10 ° | |
| 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

