

# MARINE

## Pleasure

### N67

# N67 450 N

331 kW

Rating type A1: 331 kW (450 HP) @ 3000 rpm

Rating type A2: 309 kW (420 HP) @ 3000 rpm

## SPECIFICATIONS

|                                                |                                    |           |
|------------------------------------------------|------------------------------------|-----------|
| Thermodynamic cycle                            | Diesel 4 stroke                    |           |
| Air Feeding                                    | TCA                                |           |
| Cylinders arrangement                          | 6L                                 |           |
| Bore x Stroke                                  | millimeters                        | 104 x 132 |
| Total displacement                             | liters                             | 6.7       |
| Valves per cylinder                            | number                             | 4         |
| Cooling System                                 | liquid                             |           |
| Direction of Rotation (viewed facing flywheel) | CCW                                |           |
| Engine management                              | by EDC (Electronic Diesel Control) |           |
| Injection System                               | CR                                 |           |

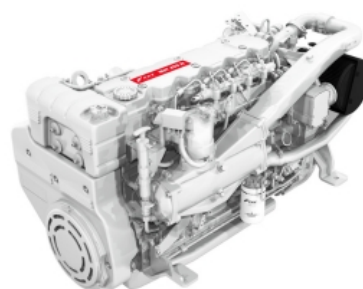
## STANDARD CONFIGURATION

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

## WEIGHT AND DIMENSIONS

|                        |    |                  |
|------------------------|----|------------------|
| Dimensions (L x W x H) | mm | 1089 x 780 x 788 |
| Dry Weight             | Kg | 600              |

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



PLEASURE

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

## ELECTRICAL SYSTEM

|         |   |    |
|---------|---|----|
| Voltage | V | 12 |
|---------|---|----|

## NOT INCLUDED IN STANDARD CONFIGURATION

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

Do you want to know more?

## LEGEND

| Arrangement | Air Handling                        | Turbocharger   | Injection System            | Exhaust System                      |
|-------------|-------------------------------------|----------------|-----------------------------|-------------------------------------|
| L (in line) | TC (Turbocharged)                   | WG (Wastegate) | M (Mechanical)              | EGR (Exhaust Gas Recirculation)     |
|             | NA (Naturally Aspirated)            |                | CR (Common Rail)            | SCR (Selective Catalytic Reduction) |
|             | TCA (Turbocharged with aftercooler) |                | MPI (Multi Point Injection) |                                     |

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/B1 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

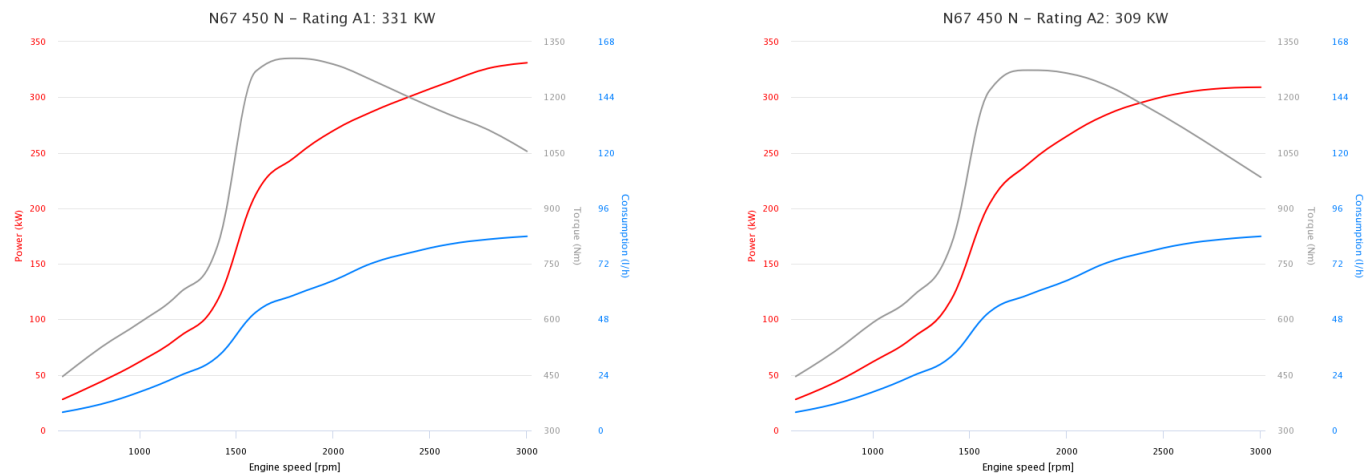
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| RATING TYPE                                                                                                    |                   | A1         | A2         |
|----------------------------------------------------------------------------------------------------------------|-------------------|------------|------------|
| Maximum power [*]                                                                                              | kW (HP)           | 331 (450)  | 309 (420)  |
| At speed                                                                                                       | rpm               | 3000       | 3000       |
| Maximum no load governed speed at max rating                                                                   | rpm               | 3150       | 3150       |
| Minimum idling speed                                                                                           | rpm               | 600        | 600        |
| Mean piston speed at rated speed                                                                               | m/s               | 13.2       | 13.2       |
| BMEP at max power                                                                                              | bar               | 25.2       | 24.1       |
| Specific fuel consumption (best value)                                                                         | g/kWh @ rpm       | 231 @ 3000 | 228 @ 3000 |
| IMO Marpol Tier 2 (IMO Annex VI Technical Code 2008)                                                           |                   | ✓          | ✓          |
| RCD Stage 2 (2013/53/EC)                                                                                       |                   | ✓          | ✓          |
| IWW Stage V (EU 2016/1628)                                                                                     |                   | -          | -          |
| EPA Tier 3 Commercial                                                                                          |                   | -          | -          |
| EPA Tier 3 Recreational                                                                                        |                   | ✓          | -          |
| China GB I (GB15097-2016)                                                                                      |                   | -          | -          |
| China GB II (GB15097-2016)                                                                                     |                   | -          | -          |
| Oil consumption at max rating                                                                                  | (% of fuel cons.) | = 0.2      | = 0.2      |
| Minimum starting temperature without auxiliaries                                                               | °C                | -10°       | -10°       |
| Oil and oil filter maintenance interval for replacement                                                        | hours             | 600        | 600        |
| * Net Power at flywheel according to ISO 8665, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%. |                   |            |            |

POWER & TORQUE



PLEASURE

LEGEND

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|-------------|--------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------|------------------------------------------------------------------------|
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