

SPECIFICATIONS

| | | |
|--|-------------|-----------------|
| Thermodynamic cycle | | Diesel 4 stroke |
| Air Feeding | | NA |
| Cylinders arrangement | | 4L |
| Bore x Stroke | millimeters | 104 x 132 |
| Total displacement | liters | 4.5 |
| Valves per cylinder | number | 2 |
| Cooling System | | liquid |
| Direction of Rotation (viewed facing flywheel) | | CCW |
| Engine management | | mechanical |
| Injection System | | MPI |

STANDARD CONFIGURATION

| | | |
|--|--------|------------------------------------|
| Flywheel housing | type | SAE 3 |
| Flywheel size | inch | 10" |
| Air filter | | left side |
| Turbocharger | | Naturally Aspirated (NA) |
| Heat exchanger | | tube type |
| Exhaust gas water mixer - Exhaust cooled elbow | | - |
| Water charge tank | | included |
| Fuel filter | number | 1 |
| Fuel prefilter | | included (loose) |
| Fuel pump | | included |
| Oil filter | number | 1 |
| Oil sump | | cast iron |
| Oil vapours blowby circuit | | on valve cover |
| Oil heat exchanger | | built in the crankcase |
| Oil filler | | by cylinder head cover |
| Starter | | 12V - 3kW |
| Alternator | | 12 V - 90 A with W contact |
| Engine stop device | | electrical excitation |
| Wiring harness | | with negative to ground connection |
| Painting color | | white "ICE" |

WEIGHT AND DIMENSIONS

| | | |
|------------------------|----|-----------------|
| Dimensions (L x W x H) | mm | 811 x 700 x 836 |
| Dry Weight | Kg | 450 |

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 | 180 Ah |
| Battery - minimum cold cranking capacity recommended | Ah | 800 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) |
| V (90° "V" configuration) | NA (Naturally Aspirated) | VGT (Variable Geometry Turbocharger) | CR (Common Rail) | SCR (Selective Catalytic Reduction) |
| | TCA (Turbocharged with aftercooler) | TST (Twin Stage Turbocharge) | EUI (Electronic Unit Injector) | |
| | | | 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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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE



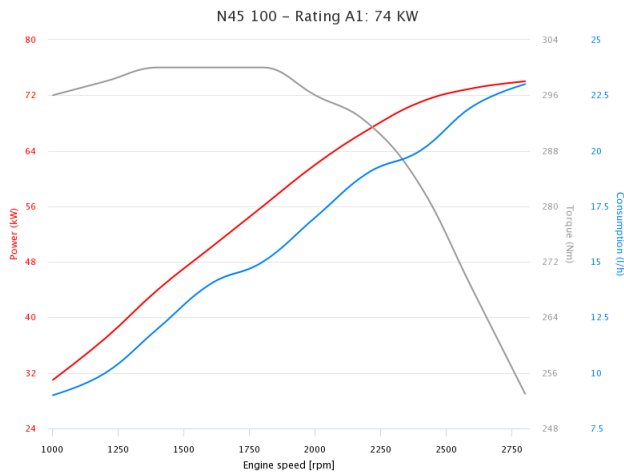
RATING TYPE

A1

| | | |
|---|-------------------|------------|
| Maximum power [*] | kW (HP) | 74 (100) |
| At speed | rpm | 2800 |
| Maximum no load governed speed at max rating | rpm | 3100 |
| Minimum idling speed | rpm | 650 |
| Mean piston speed at rated speed | m/s | 12.3 |
| BMEP at max power | bar | 8.6 |
| Specific fuel consumption (best value) | g/kWh @ rpm | 230 @ 1800 |
| 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.) | = 0.1 |
| Minimum starting temperature without auxiliaries | °C | -10° |
| Oil and oil filter maintenance interval for replacement | hours | 600 |

* Net Power at flywheel according to ISO 8665, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

POWER & TORQUE



PLEASURE

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