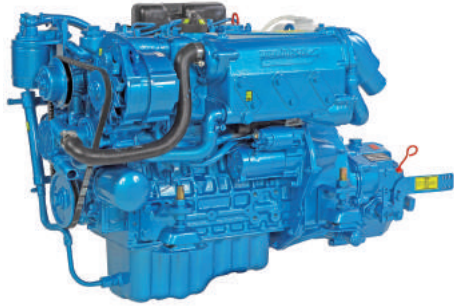


N4.38

SPECIFICATIONS



| | |
|---------------------|-------------------------------|
| Power at crankshaft | 27.6 kW [37.5 hp] |
| Displacement | 1.498 l [91 in ³] |
| Configuration | 4 cylinders in line |
| Operation type | 4 strokes Diesel |
| Bore & Stroke | 78 x 78.4 mm [3.07 x 3.09 in] |
| Compression ratio | 23 : 1 |
| Rated speed | 3000 rpm |
| Idling speed | 850 rpm |
| Peak torque | 94.8 Nm |
| Peak torque speed | 2200 rpm |

| | |
|----------------------|--|
| Engine base | Kubota |
| Fuel system | Mechanical Indirect injection |
| Air intake | Natural |
| Cooling | Closed cooling with heat exchanger |
| Max mounting angle | 15° Front down 15° Front up |
| Alternator | 12 Volt 120 Amp |
| Rating | M4 |
| Emission compliance | RCD 2013/53/EU EPA marine Tier 3 BSO 2 |
| Dry weight | |
| with TMC60 | 153 kg [337 lbs] |
| with Sail Drive SP60 | 184 kg [405 lbs] |

N4.38

27.6 kW [37.5 hp] at 3000 rpm

TECHNICAL DESCRIPTION

ENGINE BLOCK

- 4 Cylinders in line
- Gear-driven valve train
- Water cooled exhaust manifold

FUEL SYSTEM

- Mechanical governor
- Cam driven in-line injection pump
- Fuel feed pump with hand primer
- Fuel filter

LUBRICATION SYSTEM

- Replaceable full-flow oil filter
- Oil dipstick
- Oil cooler

COOLING SYSTEM

- Closed cooling with heat exchanger
- Gear driven self-priming raw water pump
- Coolant circulating pump
- Water cooled exhaust elbow

ELECTRICAL SYSTEM & INSTRUMENTATION

- 12 V Electrical system
- 12 V / 120 A alternator
- Electric starter motor
- Electric stop function
- Instrumentation panel, including Start/ Stop, tachometer & alarms
- Extension cable harness with plug-and-play

AIR INTAKE

- Mounted air cleaner

OTHER FEATURES

- Flexible engine mounting
- Bracket for control cables

OPTIONAL EQUIPMENTS & ACCESSORIES

- Keel cooling adaptation
- Complete marine propulsion systems
- Throttle and shift controls
- Additional instrumentation, Flying bridge extension harness
- Polyester frame (Sail Drive version)
- Engine mounting adaptation
- Two pole electrical system
- Water boiler systems
- Stuffing box connections
- Complete fuel systems
- Complete exhaust systems
- SOLAS approved version

RATINGS

- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining time must be at, or below cruising speed

TRANSMISSIONS

SHAFT LINE

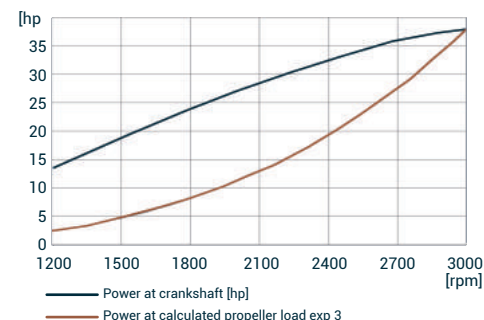
- TMC40
- TTMC35A - TTMC35P
- ZF12 - ZF12M
- ZF25A

SAIL DRIVE

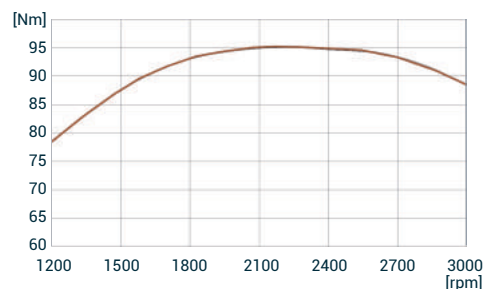
- Sail Drive SP60
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

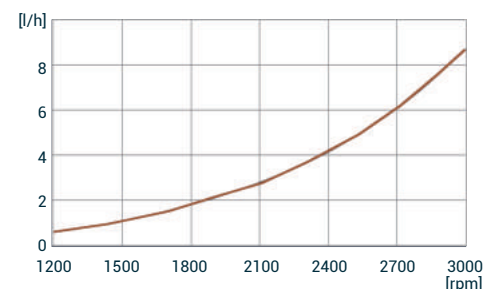
POWER AT CRANKSHAFT



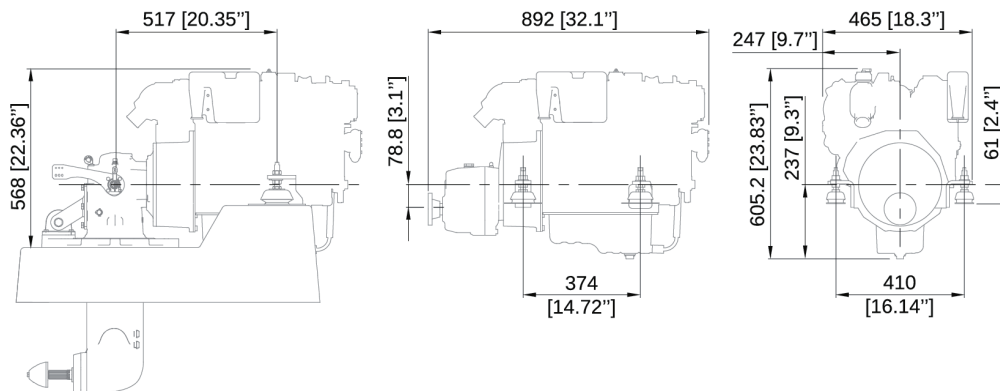
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS WITH SP60 / TMC60



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