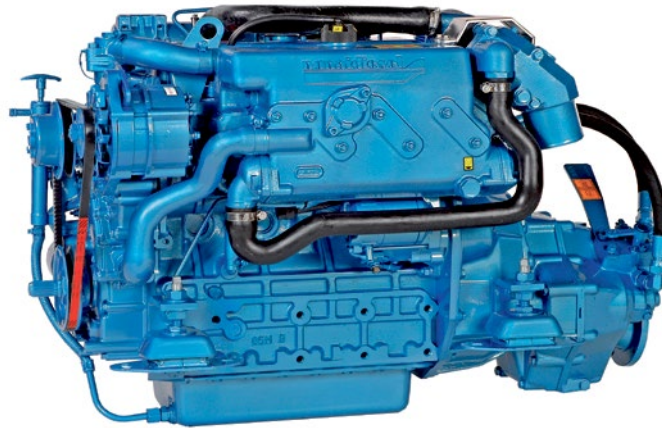


PROPULSION ENGINE

N4.65

SPECIFICATIONS



Power at crankshaft	43.4 kW [59 hp]	Engine base	Kubota
Displacement	2.434 l [148.5 in ³]	Fuel system	Mechanical Indirect injection
Configuration	4 cylinders in line	Air intake	Turbocharged
Operation type	4 strokes Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	87 x 102.4 mm [3.43 x 4.03 in]	Max mounting angle	15° Front down 15° Front up
Compression ratio	23 : 1	Alternator	12 Volt 120 Amp
Rated speed	2700 rpm	Rating	M4
Idling speed	850 rpm	Emission compliance	IMO Annex VI Compliant RCD2013/53/EU BSO2
Peak torque	168 Nm	Dry weight with TM345A	248 kg [546.75 lbs]
Peak torque speed	1800 rpm		



GENERAL
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N4.65

43.4 kW [59 hp] at 2700 rpm

TECHNICAL DESCRIPTION

ENGINE BLOCK

- 4 Cylinders in line
- 4 Valves per cylinder
- Gear driven valve train
- Watercooled exhaust manifold

FUEL SYSTEM

- Indirect E-TVCS injection system
- Fuel filter

LUBRICATION SYSTEM

- Replaceable full-flow oil filter
- Oil dipstick

COOLING SYSTEM

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

ELECTRICAL SYSTEM & INSTRUMENTATION

- 12V / 120A alternator
- 12V electrical system
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-and-play

AIR INTAKE

- Turbocharged

OTHER FEATURES

- Flexible engine mounts
- Internal balancers
- Single side serviceability

OPTIONAL EQUIPMENTS & ACCESSORIES

- Keel cooling adaptation
- Dry exhaust elbow
- Complete marine propulsion systems
- Marine transmission adaptation kits
- Throttle and shift controls
- Additional instrumentation, Flying bridge extension harness
- Rigid engine mounting
- Power take off

RATINGS

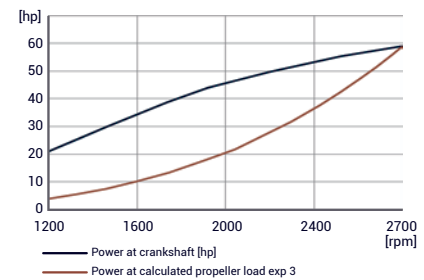
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining time must be at, or below cruising speed

TRANSMISSIONS

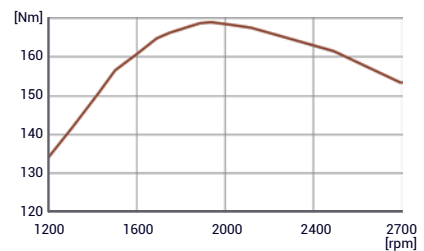
- Shaft line
- Sail Drive
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

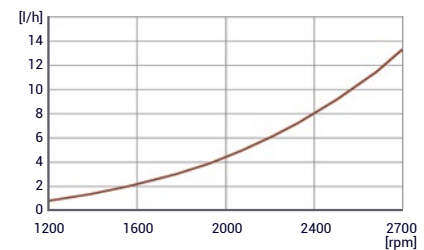
POWER AT CRANKSHAFT



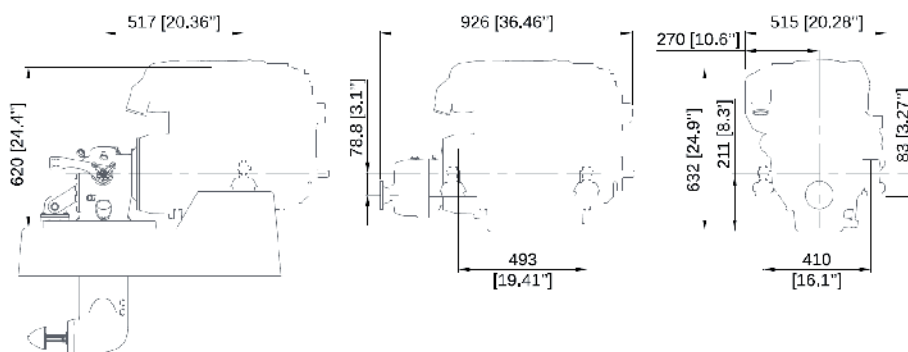
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS WITH TM345A



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