

Propulsion engine

N4.80

Specifications



Power at crankshaft	57.4 kW [79 hp]
Displacement	2.434 l [148.5 in ³]
Configuration	4 cylinders in line
Operation type	4 stroke Diesel
Bore & Stroke	87 x 102.4 mm [3.43 x 4.03 in]
Compression ratio	23:1
Rated speed	2700 rpm
Idling speed	850 rpm
Peak torque	220 Nm
Peak torque speed	1800 rpm
Dry weight with TM345A	258 kg [568.8 lbs]

Engine base	Kubota
Fuel system	Indirect E-TVCS (Three Vortex Combustion System)
Air intake	Turbocharged
Cooling	Closed cooling with heat exchanger Air cooler
Max mounting angle	7° Front up 7° Front down
Alternator	12 Volt 120 Amp
Rating	M5
Emission compliance	EPA marine Tier 3 RCD2013/53/EU BSO2



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156 Beaumont Street · Westhaven · Auckland · New Zealand
Sales Ph +64 9 309 0048 · sales@generalmarine.co.nz
Service Ph +64 9 368 0938 · service@generalmarine.co.nz

www.generalmarine.co.nz

N4.80

57.4 kW [79 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-in connection

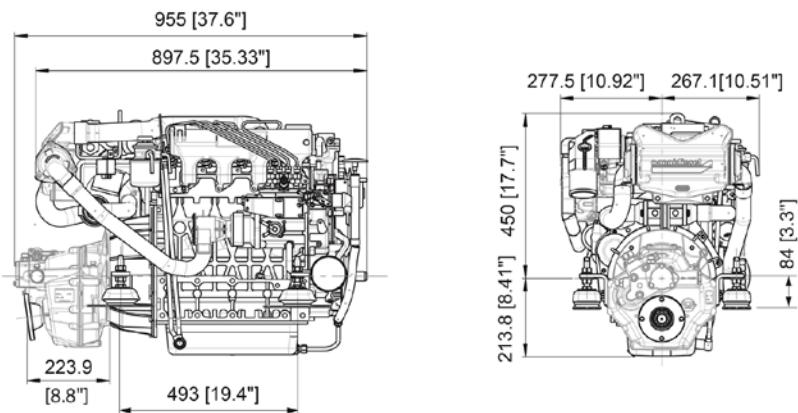
Air intake

- Turbocharged with intercooler

Other features

- Flexible engine mounts
- Internal balancers
- Single side serviceability

DIMENSIONS



Optional systems & 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
- Type of approval

RATINGS

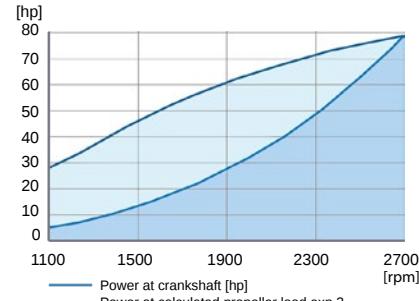
- Up to 1000 hours per year
- Load factor up to 35%
- Full power for no more than 30 minutes out of each 8 hours of operation. The remaining time must be at, or below cruising speed

TRANSMISSIONS

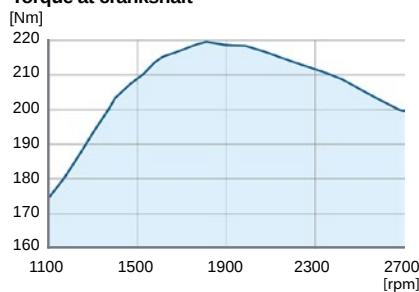
- Contact your Nanni representative for more details and availability about transmissions types and models range

PERFORMANCE CURVES

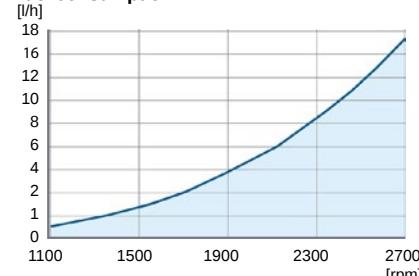
Power at crankshaft



Torque at crankshaft



Fuel consumption



Technical data according to ISO 8665. Specifications are subject to change without notice. Images and illustrations may show non standard equipments. All combination of equipment & accessory are not available.

01-2018A ENG



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