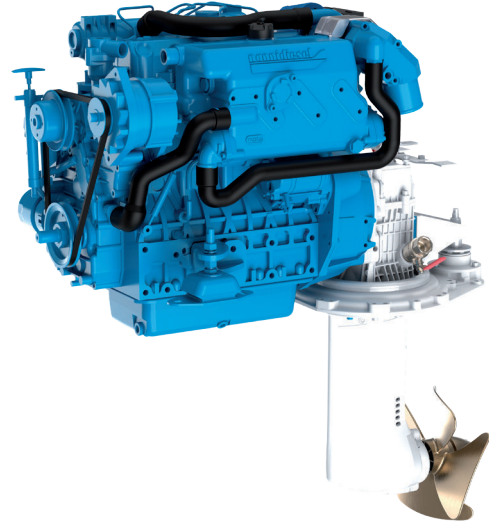
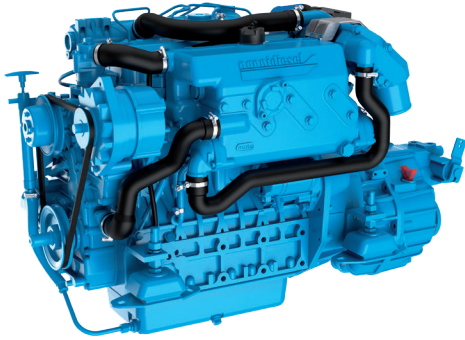


# N4.65

## SPECIFICATIONS



Power at crankshaft	43.4 kW [59 hp]
Displacement	2.434 l [148.5 in <sup>3</sup> ]
Configuration	4 cylinders in line
Operation type	4 strokes 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	168 Nm
Peak torque speed	1800 rpm

Engine base	Kubota
Fuel system	Mechanical Indirect injection
Air intake	Turbocharged
Cooling	Closed cooling with heat exchanger
Max mounting angle	15° Front down 15° Front up
Alternator	12 Volt 120 Amp
Rating	M4
Emission compliance	IMO Annex VI Compliant RCD2013/53/EU BSO2
Dry weight with TM345A	248 kg [546.75 lbs]

# N4.65

43.4 kW [59 hp] at 2700 rpm

## TECHNICAL DESCRIPTION

### ENGINE BLOCK

- 4 Cylinders in line
- 2 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

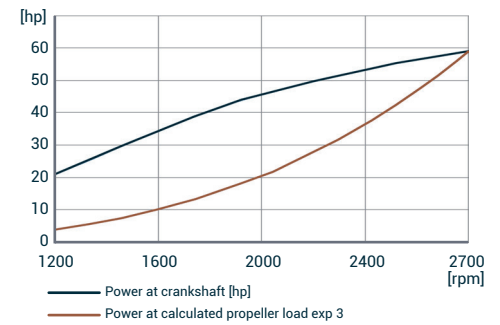
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining time must be at, or below cruising speed

### TRANSMISSIONS

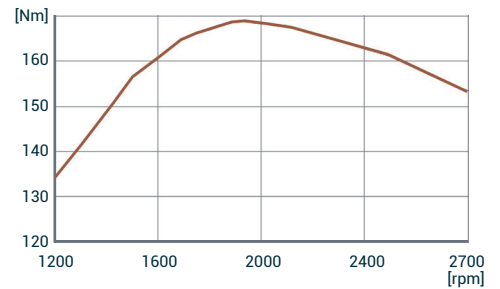
- Shaft line
- Sail Drive
- Contact your Nanni representative for more details and availability about transmissions types and models range.

## PERFORMANCE CURVES

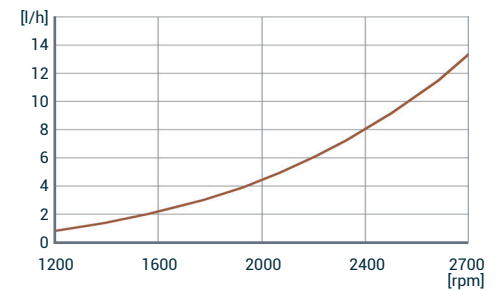
### POWER AT CRANKSHAFT



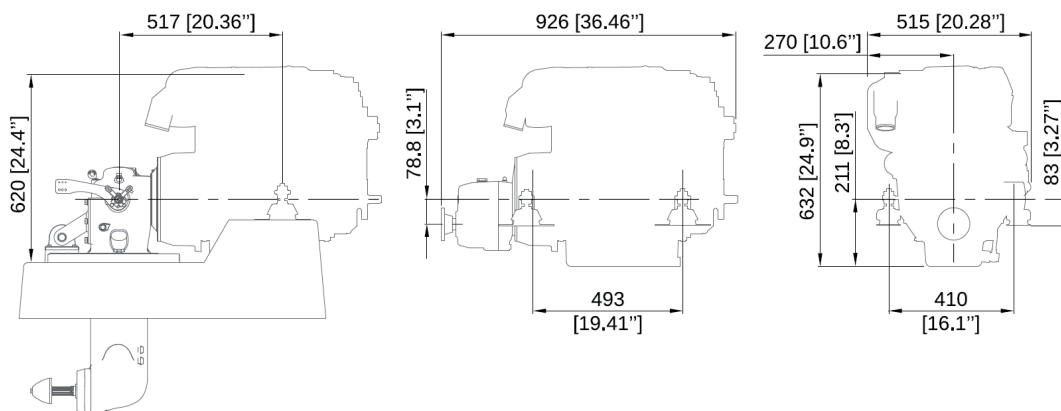
### TORQUE AT CRANKSHAFT



### FUEL CONSUMPTION



## DIMENSIONS WITH TM345A



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