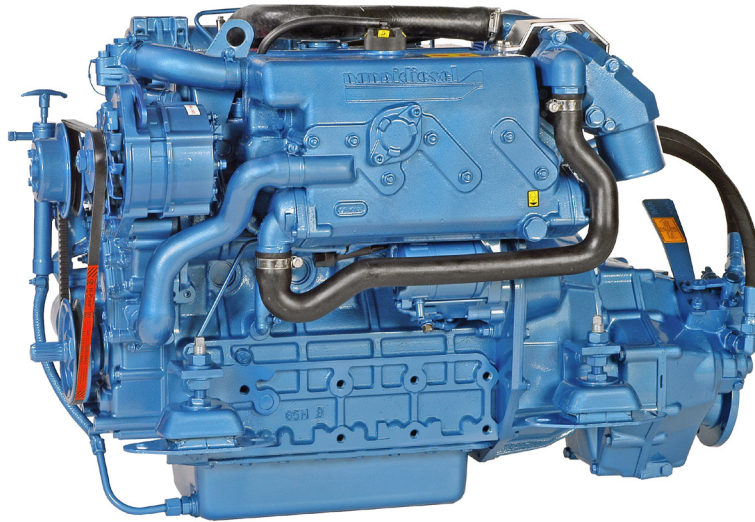


# N4.65

## 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 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	168 Nm
Peak torque speed	1800 rpm
Dry weight with TM345A	248 kg [546.75lbs]

Engine base	Kubota
Fuel system	Indirect E-TVCS (Three Vortex Combustion System)
Air intake	Turbocharged
Cooling	Closed cooling with heat exchanger
Max mounting angle	7° Front up 7° Front down
Alternator	12 Volt 120 Amp
Rating	M4
Emission compliance	IMO Annex VI Compliant RCD2013/53/EU BSO2

# N4.65

43.4 kW [59 hp] at 2700 rpm

## TECHNICAL DESCRIPTION

### Engine block

- 4 Cylinders in line
- 4 Valves per cylinder
- Twin camshaft (DOHC)
- Watercooled exhaust manifold

### Fuel system

- Common rail fuel injection system
- Fuel filter

### Lubrication system

- Freplacable 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

### Other features

- Flexible engine mounts
- Internal balancers
- Single side serviceability

### 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

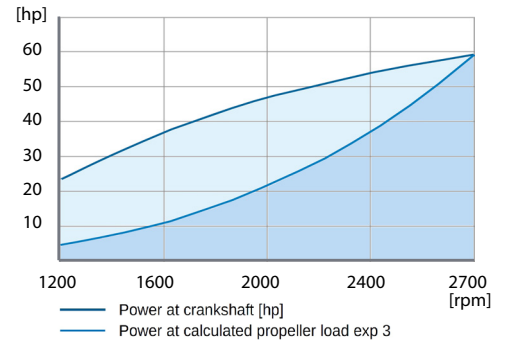
- Up to 3000 hours per year
- Load factor up to 40%
- Full power for no more than 1 hour out of each 12 hours of operation. The remaining time must be at, or below cruising speed

## TRANSMISSIONS

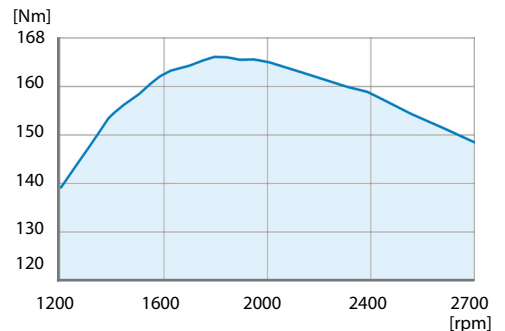
- Shaft line
- Sail Drive
- Contact your Nanni representative for more details and availability about transmissions types and models range

## PERFORMANCE CURVES

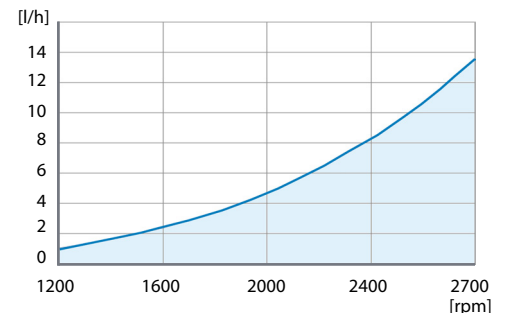
### Power at crankshaft



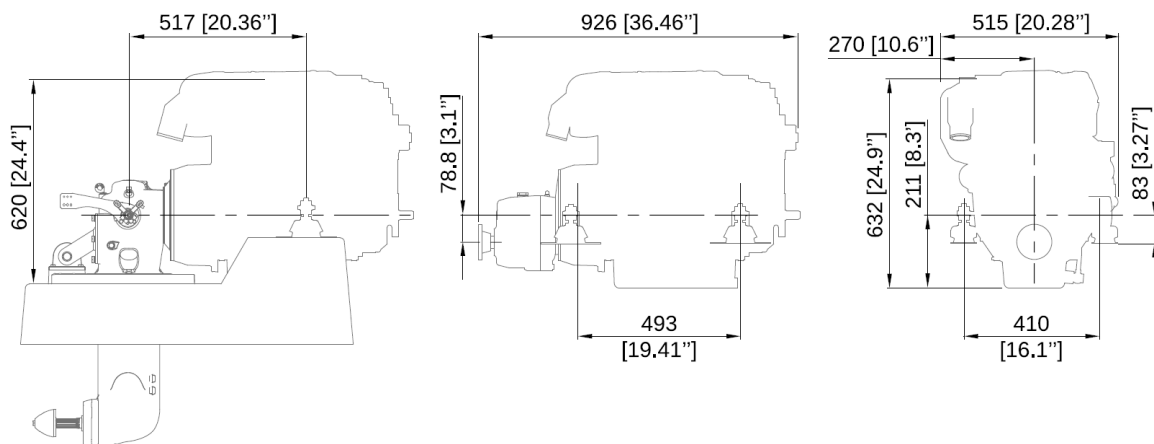
### Torque at crankshaft



### Fuel consumption



## DIMENSIONS



### Nanni Industries S.A.S. France

11, Avenue Mariotte - Zone Industrielle  
33260 La Teste - France  
Tel: +33 (0)5 56 22 30 60  
Fax: +33 (0)5 56 22 30 79

### Nanni Trading S.R.L

Via Degli Olmetti, 5/B  
00060 Formello (RM) - Italia  
Tel: +39 06 30 88 42 51/52/53  
Fax: +39 06 30 88 42 54

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.  
20170802A ENG