

N16.900 HD UI

SPECIFICATIONS



Power at crankshaft	662 kW [900 hp]	Engine base	Scania
Displacement	16.4 l [1000.8 in³]	Fuel system	Unit injectors (PDE)
Configuration	8 cylinders in V	Air intake	Twin turbocharged with heat insulated
Operation type	4 stroke Diesel	Cooling	Closed cooling with dual heat exchangers and charge air cooler
Bore & Stroke	130 x 154 mm [5.1 x 6.1 in]	Max mounting angle	12° Front down 12° Front up
Compression ratio	16.4 : 1	Alternator	24 Volt 100 Amp
Rated speed	2300 rpm	Rating	M1.S
Idling speed	650 rpm	Emission compliance	IMO Tier II US Tier 2 EU Stage IIIA
Peak torque	3070 Nm	Dry weight	1660 kg [3659.7 lbs]
Peak torque speed	1900 rpm		

N16.900 HD UI

662 kW [900 hp] at 2300 rpm

TECHNICAL DESCRIPTION

ENGINE BLOCK

- Unit Injectors (PDE)
- Twin turbochargers, heat insulated
- Protection covers

FUEL SYSTEM

- Engine Management System, EMS
- Reversible fuel prefilter with water separator
- Fuel filter

LUBRICATION SYSTEM

- Reversible oil filter, full flow
- Centrifugal oil cleaner
- Oil cooler, integrated in block
- Oil filler, in valve cover
- Oil draining with plug
- Shallow oil sump
- Oil dipstick, front

COOLING SYSTEM

- Sea water charge air cooler
- Sea water pump self-priming centrifugal
- Dual heat exchangers with expansion tanks

ELECTRICAL SYSTEM & INSTRUMENTATION

- Starter, 2-pole 7.0 kW
- Alternator, 2-pole 24V / 100A

OTHER FEATURES

- Flywheel SAE 14"
- Silumin flywheel housing, SAE 1 flange
- Front mounted engine brackets
- Closed crankcase ventilation
- Air cleaners
- Flexible engine mounting
- Damper pulley

OPTIONAL SYSTEMS & ACCESSORIES

- Electrical base system
- Accelerator position sensor
- Control panel
- EMS display
- Hydraulic pump
- Side-mounted PTO (SAE B)
- Axial front-mounted PTO
- Exhaust connections
- Engine heater
- Power pack engine brackets
- Stiff rubber suspension
- Air cleaner
- Studs in flywheel housing
- Reversible fuel filter
- Low coolant level reaction
- Variable idle speed setting
- Low oil sump
- Oil draining with pump
- Oil level sensor
- Bilge pump

RATINGS

M1.S

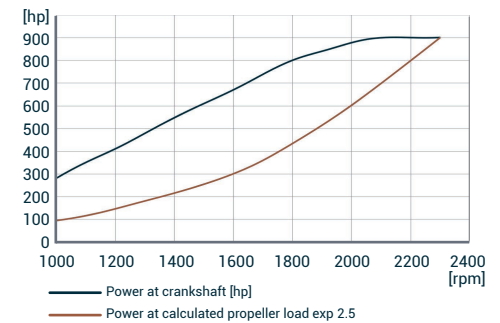
- Unlimited
- Over 80%
- Uninterrupted full power

TRANSMISSIONS

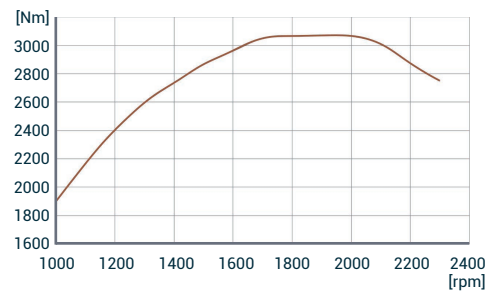
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

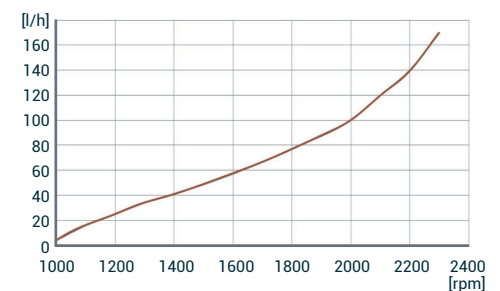
POWER AT CRANKSHAFT



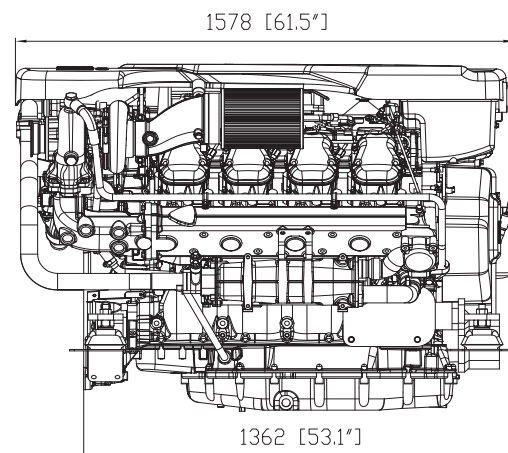
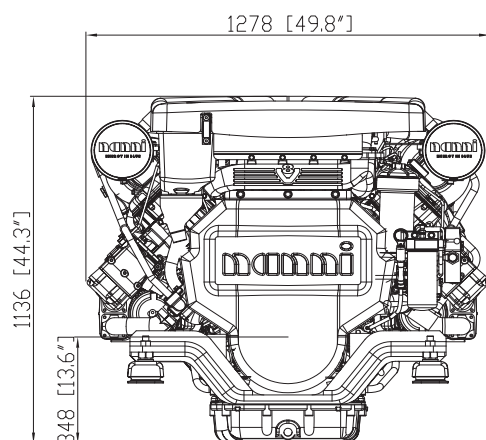
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS



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DGBXXC01058