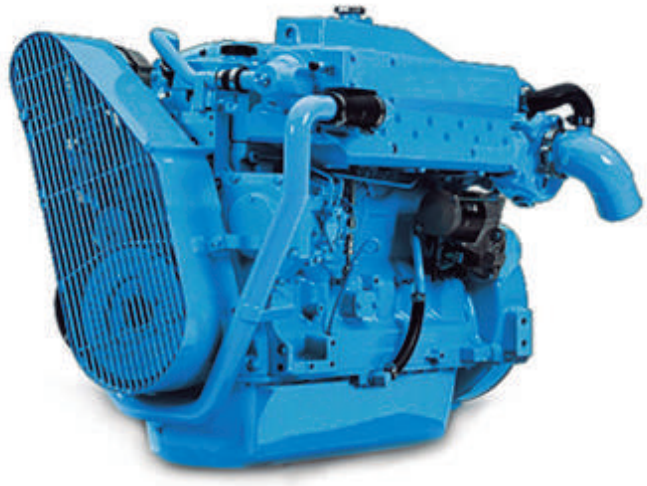
N6.160

SPECIFICATIONS



Power at crankshaft	115 kW [154 hp]	Engine base	John Deere
Displacement	6.8 l [415 in^3]	Fuel system	Direct injection Mechanical governor
Configuration	6 cylinders in line	Air intake	Turbocharged
Operation type	4 strokes Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]	Max mounting angle	0° Front down 9° Front up
Compression ratio	17 : 1	Alternator	24 Volt 50 Amp
Rated speed	2300 rpm	Rating	M1
Idling speed	650 rpm	Dry weight	578 kg [1274 lbs]
Peak torque	435 Nm	Peak torque speed	1800 rpm

N6.160
115 KW [154 HP] AT 2300 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- Watercooled exhaust manifold

FUEL SYSTEM
- Fuel filter
- Direct injection, mechanical governor

LUBRICATION SYSTEM
- Replacable full-flow oil filter
- Oil dipstick
- Oil cooler

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

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-andplay

AIR INTAKE
- Twin turbocharger

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

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
- Type approval

RATINGS

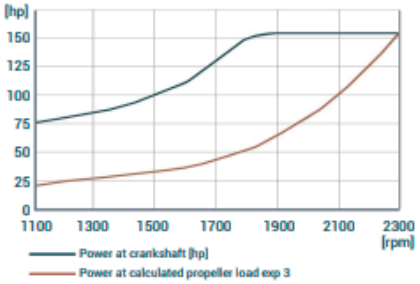
- 24 daily operating hours
- Load factor up to 65%
- Uninterrupted full power

TRANSMISSIONS

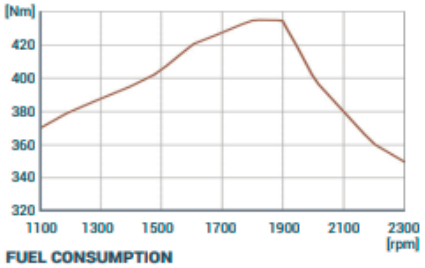
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

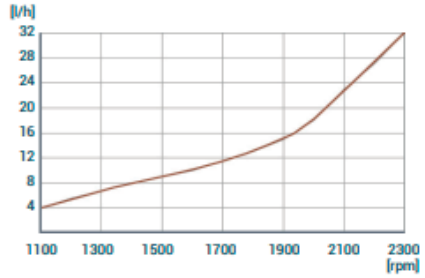
POWER AT CRANKSHAFT



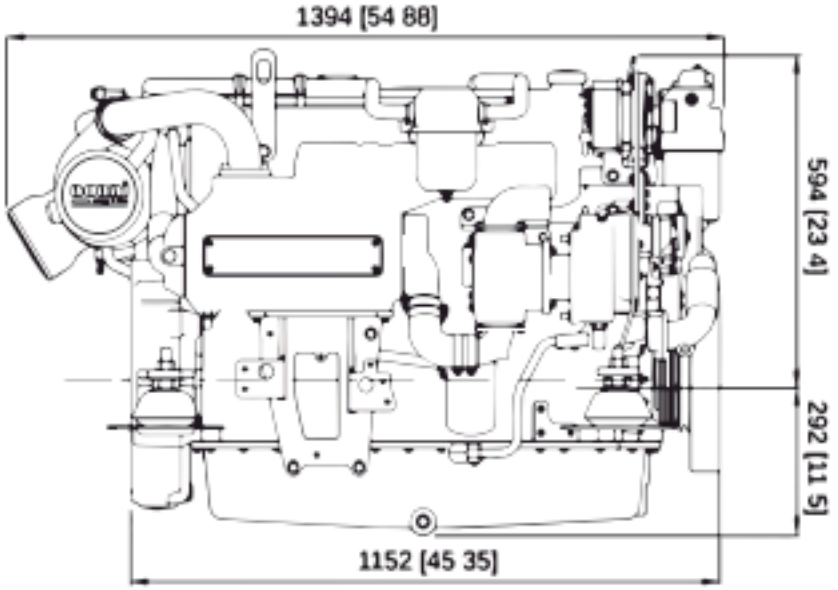
TORQUE AT CRANKSHAFT

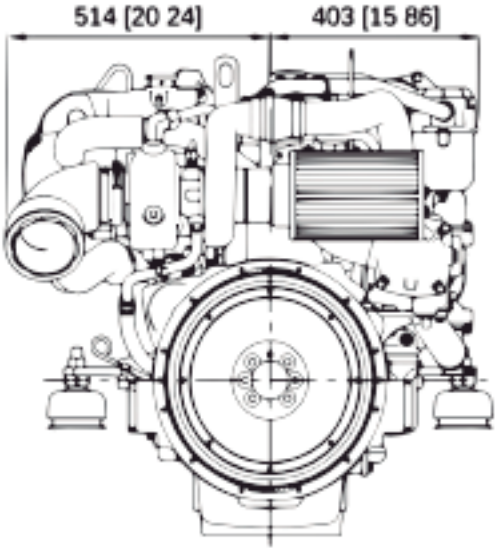


FUEL CONSUMPTION



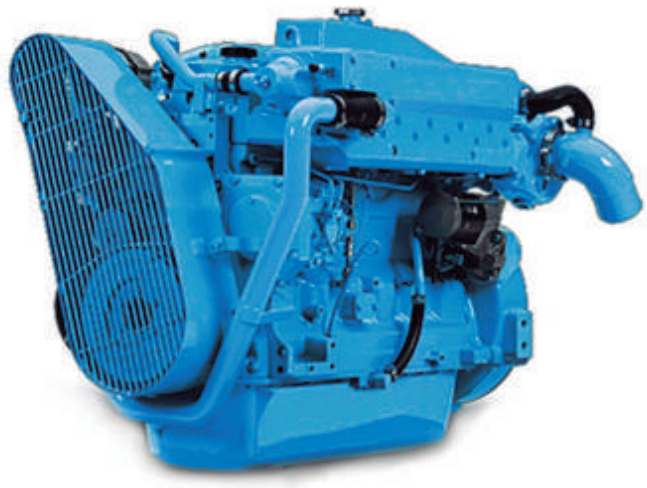
DIMENSIONS





N6.180

SPECIFICATIONS



Power at crankshaft	131 kW [175 hp]	Engine base	John Deere
Displacement	6.8 l [415 in^3]	Fuel system	Direct injection Mechanical governor
Configuration	6 cylinders in line	Air intake	Turbocharged
Operation type	4 strokes Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]	Max mounting angle	0° Front down 9° Front up
Compression ratio	17 : 1	Alternator	24 Volt 50 Amp
Rated speed	2400 rpm	Rating	M2
Idling speed	650 rpm	Dry weight	730 kg [1609 lbs]
Peak torque	688 Nm	Peak torque speed	1800 rpm

N6.180
131 KW [175 HP] AT 2400 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- Watercooled exhaust manifold

FUEL SYSTEM
- Fuel filter
- Direct injection, mechanical governor

LUBRICATION SYSTEM
- Replacable full-flow oil filter
- Oil dipstick
- Oil cooler

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

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-andplay

AIR INTAKE
- Turbocharged

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

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
- Type approval

RATINGS

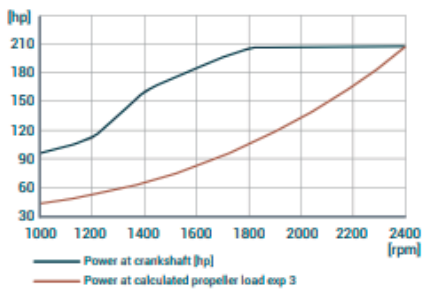
- Up to 5000 annual operating hours
- Load factor up to 65%
- Full power for no ore than 16 hours out of 24 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

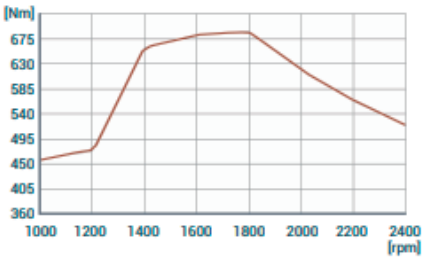
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

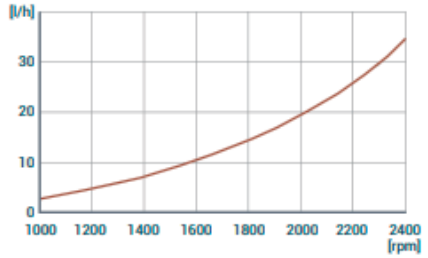
POWER AT CRANKSHAFT



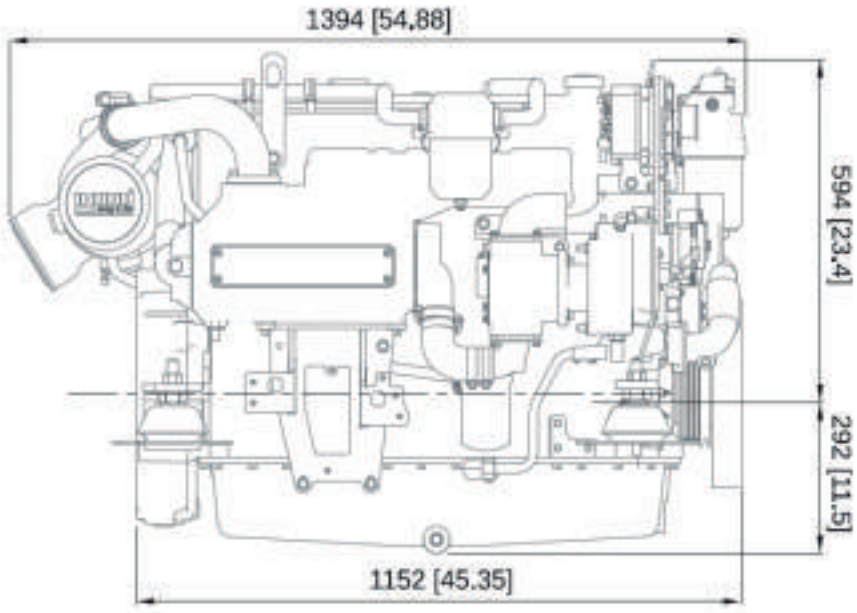
TORQUE AT CRANKSHAFT

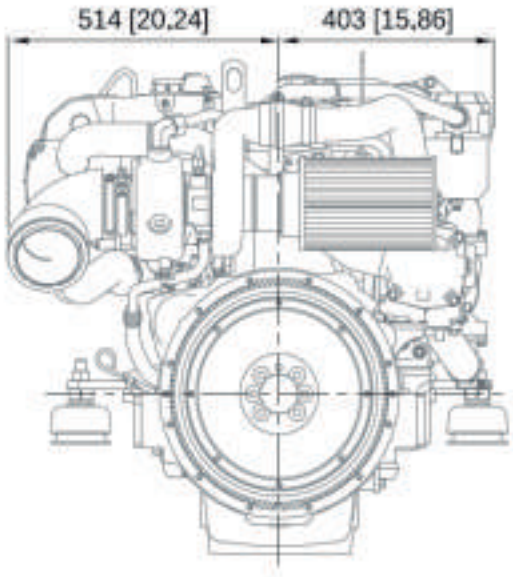


FUEL CONSUMPTION



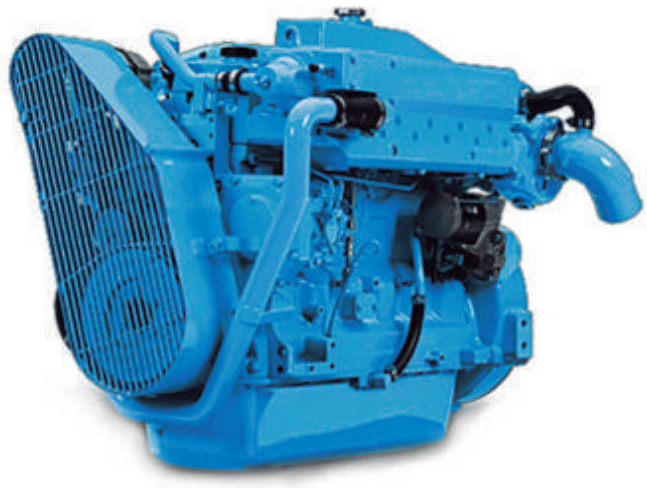
DIMENSIONS





N6.180

SPECIFICATIONS



Power at crankshaft	149 kW [203 hp]	Engine base	John Deere
Displacement	6.8 l [415 in^3]	Fuel system	Direct injection Mechanical governor
Configuration	6 cylinders in line	Air intake	Turbocharged
Operation type	4 strokes Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]	Max mounting angle	0° Front down 9° Front up
Compression ratio	17 : 1	Alternator	24 Volt 50 Amp
Rated speed	2500 rpm	Rating	M3
Idling speed	650 rpm	Dry weight	730 kg [1609 lbs]
Peak torque	695 Nm	Peak torque speed	1800 rpm

N6.200
149 KW [203 HP] AT 2500 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- Watercooled exhaust manifold

FUEL SYSTEM
- Fuel filter
- Direct injection, mechanical governor

LUBRICATION SYSTEM
- Replacable full-flow oil filter
- Oil dipstick
- Oil cooler

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

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-andplay

AIR INTAKE
- Turbocharged

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

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
- Type approval

RATINGS

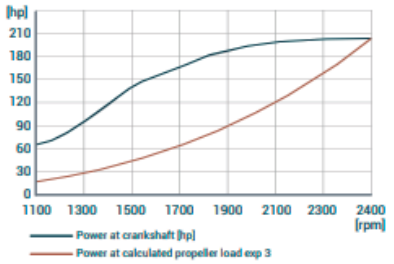
- Up to 4000 annual operating hours
- Load factor up to 50%
- Full power for no ore than 4 hours out of 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

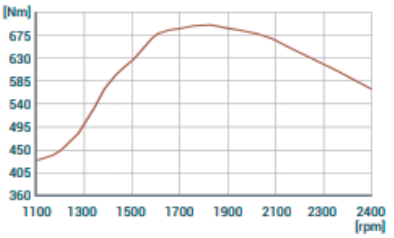
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

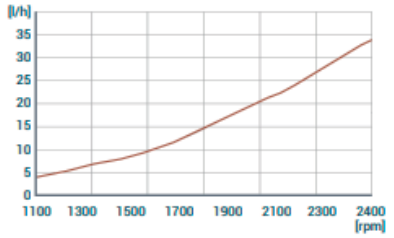
POWER AT CRANKSHAFT



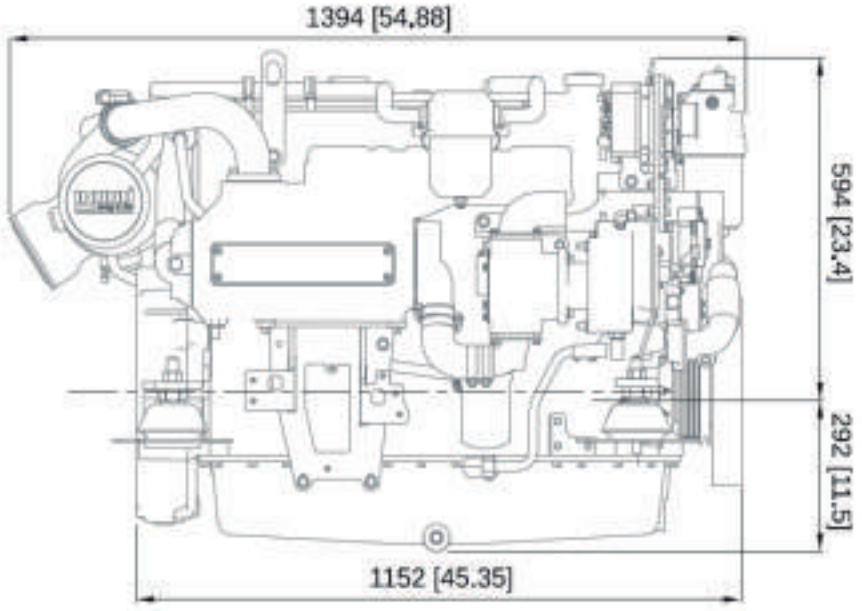
TORQUE AT CRANKSHAFT

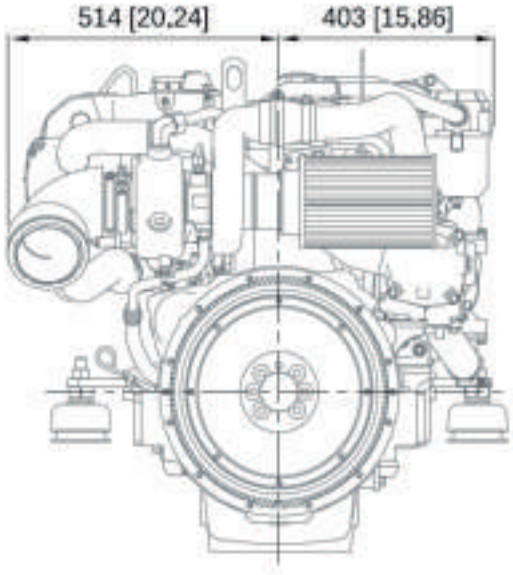


FUEL CONSUMPTION



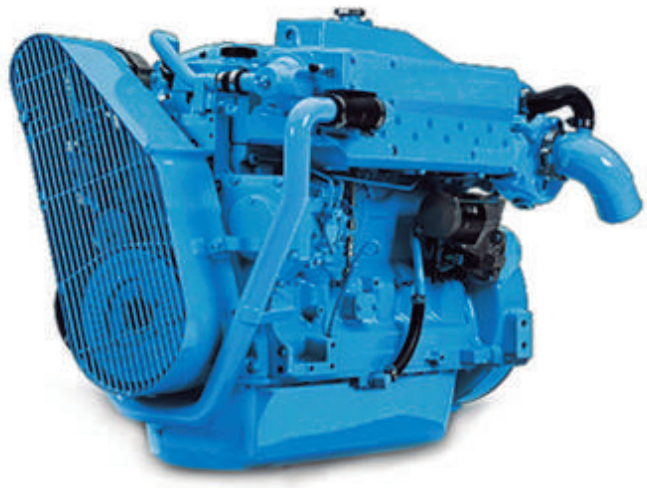
DIMENSIONS





N6.230

SPECIFICATIONS



Power at crankshaft	168 kW [228 hp]	Engine base	John Deere
Displacement	6.8 l [415 in^3]	Fuel system	Direct injection Mechanical governor
Configuration	6 cylinders in line	Air intake	Turbocharged
Operation type	4 strokes Diesel	Cooling	Closed cooling with heat exchanger
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]	Max mounting angle	0° Front down 9° Front up
Compression ratio	16.3 : 1	Alternator	24 Volt 50 Amp
Rated speed	2600 rpm	Rating	M4
Idling speed	650 rpm	Dry weight	730 kg [1609 lbs]
Peak torque	784 Nm	Peak torque speed	1800 rpm

N6.230
168 KW [228 HP] AT 2600 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- Watercooled exhaust manifold

FUEL SYSTEM
- Fuel filter
- Direct injection, mechanical governor

LUBRICATION SYSTEM
- Replacable full-flow oil filter
- Oil dipstick
- Oil cooler

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

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-andplay

AIR INTAKE
- Turbocharged

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

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
- Type approval

RATINGS

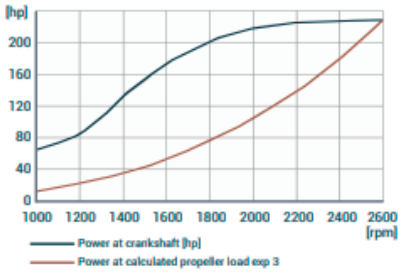
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no ore than 1 hour out of 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

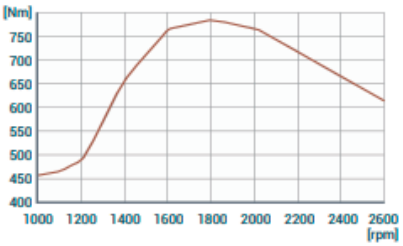
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

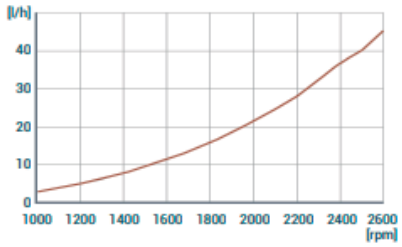
POWER AT CRANKSHAFT



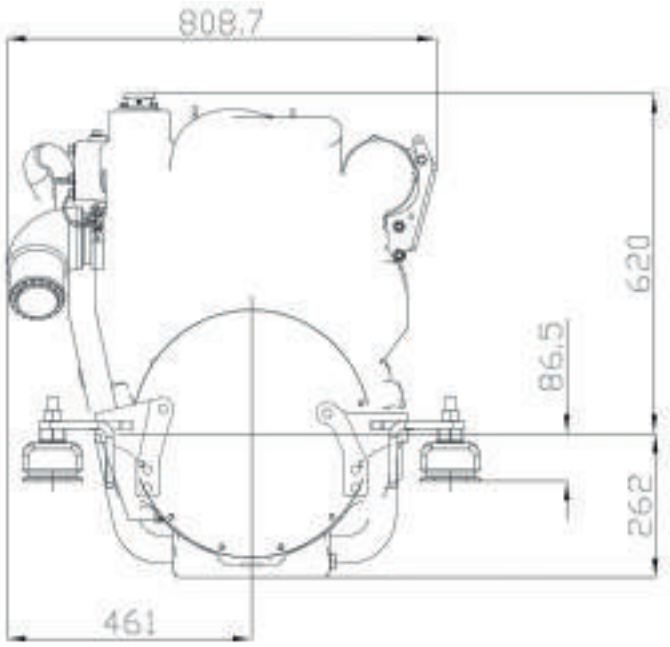
TORQUE AT CRANKSHAFT

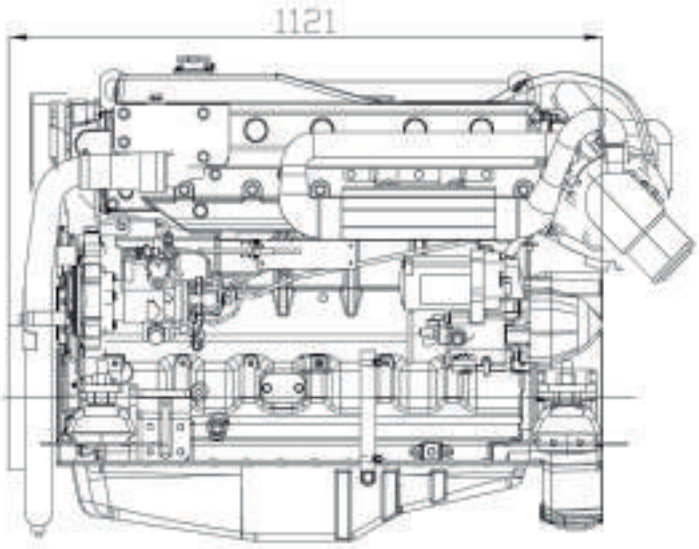


FUEL CONSUMPTION



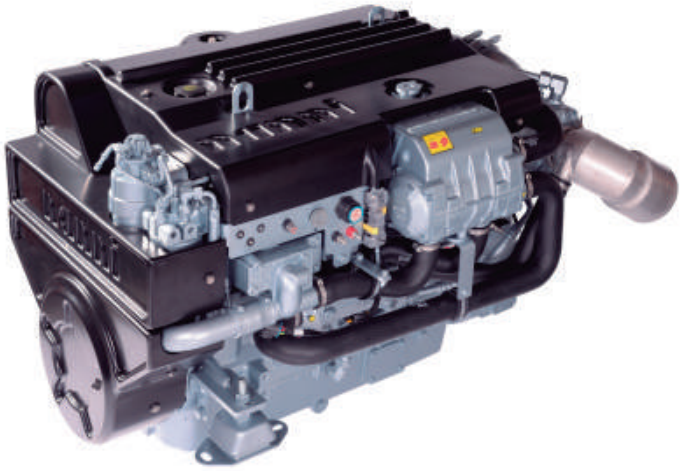
DIMENSIONS





N6.285 CR2

SPECIFICATIONS



Power at crankshaft	209 kW [284 hp]
Displacement	6.8 l [415 in^3]
Configuration	6 cylinders in line
Operation type	4 strokes Diesel
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]
Compression ratio	16.3 : 1
Rated speed	2500 rpm
Idling speed	600 rpm
Peak torque	1100 Nm
Peak torque speed	1800 rpm

Engine base	John Deere
Fuel system	Direct injection High pressure Common Rail Electronically controlled
Air intake	Turbocharged Air-to-seawater aftercooler
Cooling	Closed cooling with heat exchanger
Max mounting angle	0° Front down 12° Front up
Alternator	24 Volt 50 Amp
Rating	M2
Emission compliance	IMO Marpol Annex VI NRMM (97/68/EC) Tier 3 EPA marine Tier 3 RCD2 2013/53/EU
Dry weight	730 kg [1609 lbs]

N6.285 CR2
209 KW [284 HP] AT 2500 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- 4 Valves per cylinder
- Watercooled exhaust manifold

FUEL SYSTEM
- Primary & secondary fuel filter
- Fuel heater
- Common Rail fuel injection system

LUBRICATION SYSTEM
- Replacable full-flow oil filter
- Oil dipstick
- Oil cooler

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

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-andplay

AIR INTAKE
- Turbocharged
- Air-to-seawater aftercooler

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

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

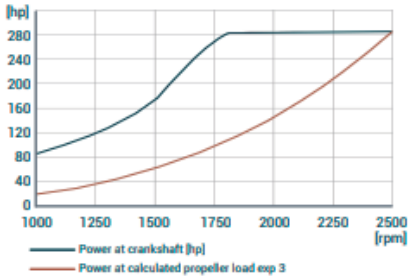
- Up to 5000 annual operating hours
- Load factor up to 65%
- Full power for no ore than 16 hour out of 24 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

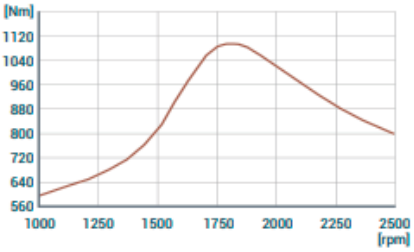
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

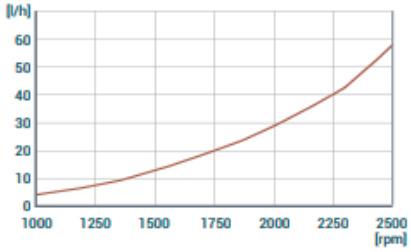
POWER AT CRANKSHAFT



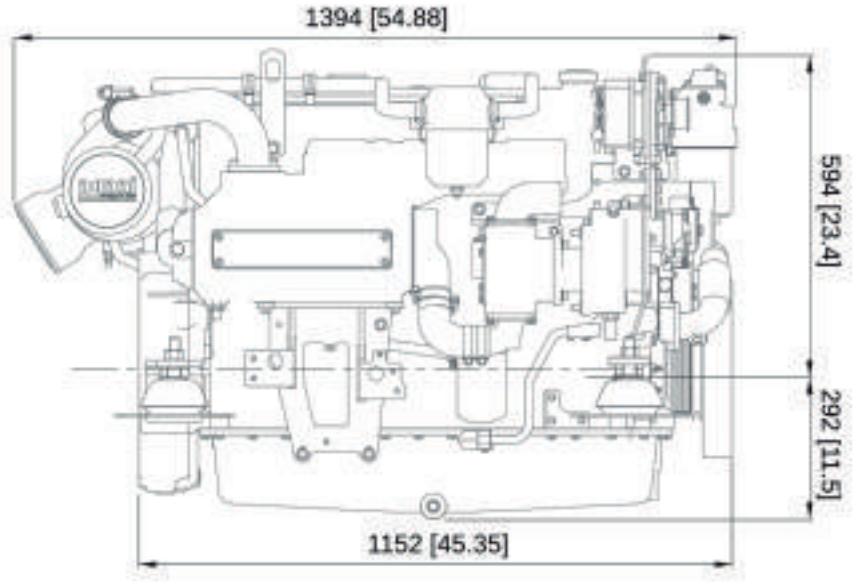
TORQUE AT CRANKSHAFT

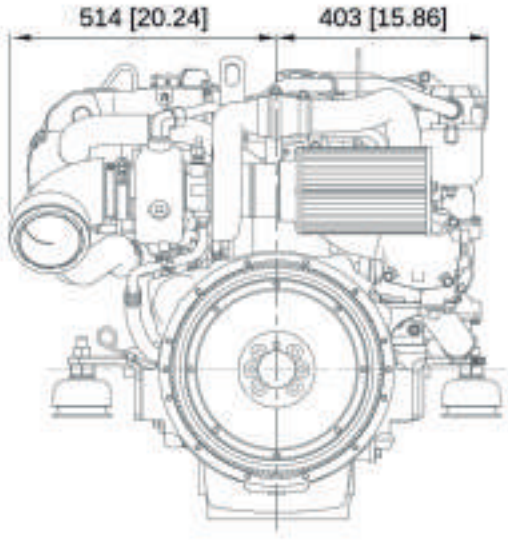


FUEL CONSUMPTION



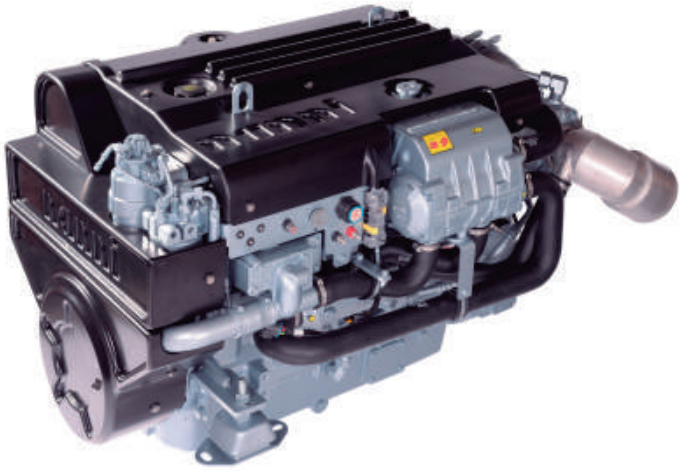
DIMENSIONS





N6.325 CR2

SPECIFICATIONS



Power at crankshaft	239 kW [325 hp]
Displacement	6.8 l [415 in^3]
Configuration	6 cylinders in line
Operation type	4 strokes Diesel
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]
Compression ratio	16.3 : 1
Rated speed	2600 rpm
Idling speed	600 rpm
Peak torque	1137 Nm
Peak torque speed	1900 rpm

Engine base	John Deere
Fuel system	Direct injection High pressure Common Rail Electronically controlled
Air intake	Turbocharged Air-to-seawater aftercooler
Cooling	Closed cooling with heat exchanger
Max mounting angle	0° Front down 12° Front up
Alternator	24 Volt 50 Amp
Rating	M3
Emission compliance	IMO Marpol Annex VI NRMM (97/68/EC) Tier 3 EPA marine Tier 3 RCD2 2013/53/EU
Dry weight	735 kg [1620 lbs]

N6.325 CR2
239 KW [325 HP] AT 2600 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- 4 Valves per cylinder
- Watercooled exhaust manifold

FUEL SYSTEM
- Primary & secondary fuel filter
- Fuel heater
- Common Rail fuel injection system

LUBRICATION SYSTEM
- Replacable full-flow oil filter
- Oil dipstick
- Oil cooler

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

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-andplay

AIR INTAKE
- Turbocharged
- Air-to-seawater aftercooler

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

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

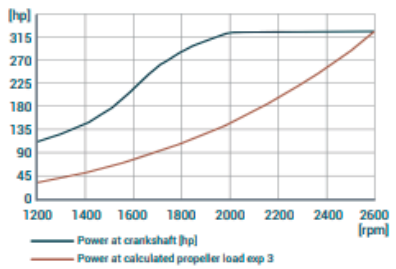
- Up to 4000 annual operating hours
- Load factor up to 50%
- Full power for no ore than 4 hour out of 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

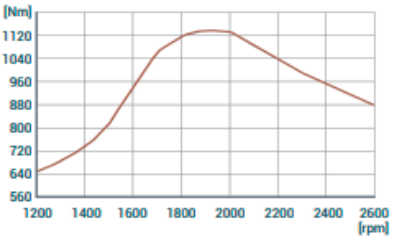
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

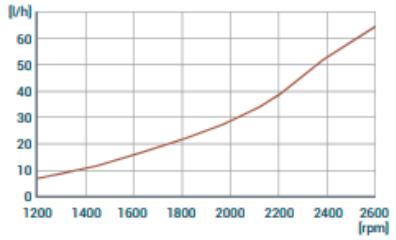
POWER AT CRANKSHAFT



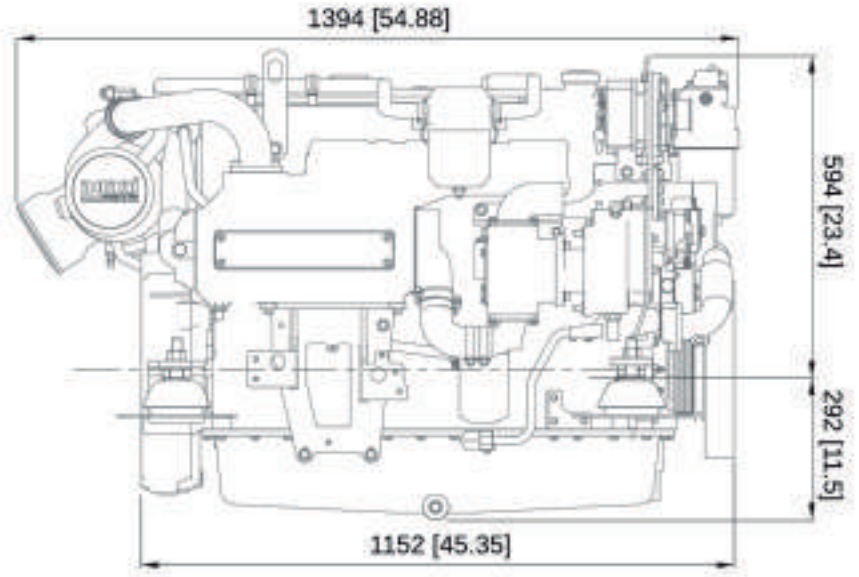
TORQUE AT CRANKSHAFT

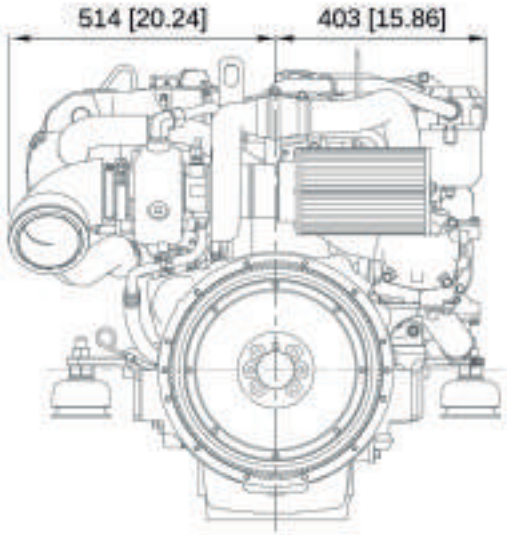


FUEL CONSUMPTION



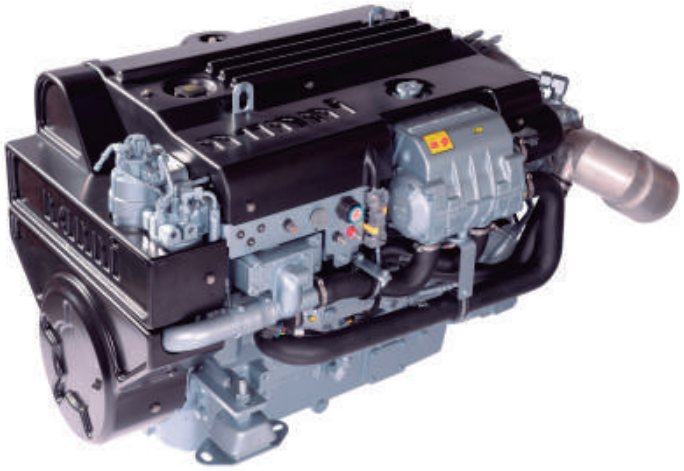
DIMENSIONS





N6.360 CR2

SPECIFICATIONS



Power at crankshaft	265 kW [360 hp]
Displacement	6.8 l [415 in^3]
Configuration	6 cylinders in line
Operation type	4 strokes Diesel
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]
Compression ratio	16.3 : 1
Rated speed	2700 rpm
Idling speed	600 rpm
Peak torque	1182 Nm
Peak torque speed	2000 rpm

Engine base	John Deere
Fuel system	Direct injection High pressure Common Rail Electronically controlled
Air intake	Turbocharged Air-to-seawater aftercooler
Cooling	Closed cooling with heat exchanger
Max mounting angle	0° Front down 12° Front up
Alternator	24 Volt 50 Amp
Rating	M4
Emission compliance	IMO Marpol Annex VI NRMM (97/68/EC) Tier 3 EPA marine Tier 3 RCD2 2013/53/EU
Dry weight	735 kg [1620 lbs]

N6.360 CR2
265 KW [360 HP] AT 2700 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- 4 Valves per cylinder
- Watercooled exhaust manifold

FUEL SYSTEM
- Primary & secondary fuel filter
- Fuel heater
- Common Rail fuel injection system

LUBRICATION SYSTEM
- Replacable full-flow oil filter
- Oil dipstick
- Oil cooler

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

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-andplay

AIR INTAKE
- Turbocharged
- Air-to-seawater aftercooler

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

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

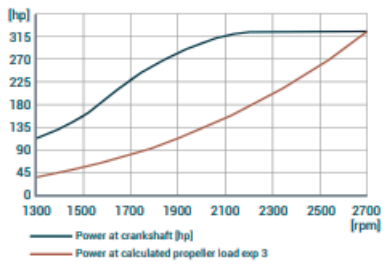
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no ore than 1 hour out of 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

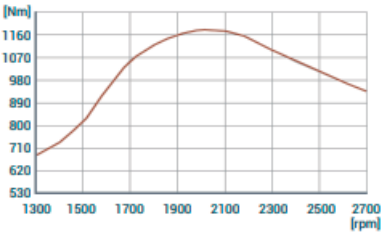
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

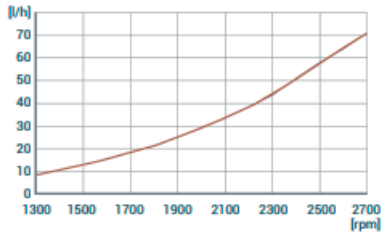
POWER AT CRANKSHAFT



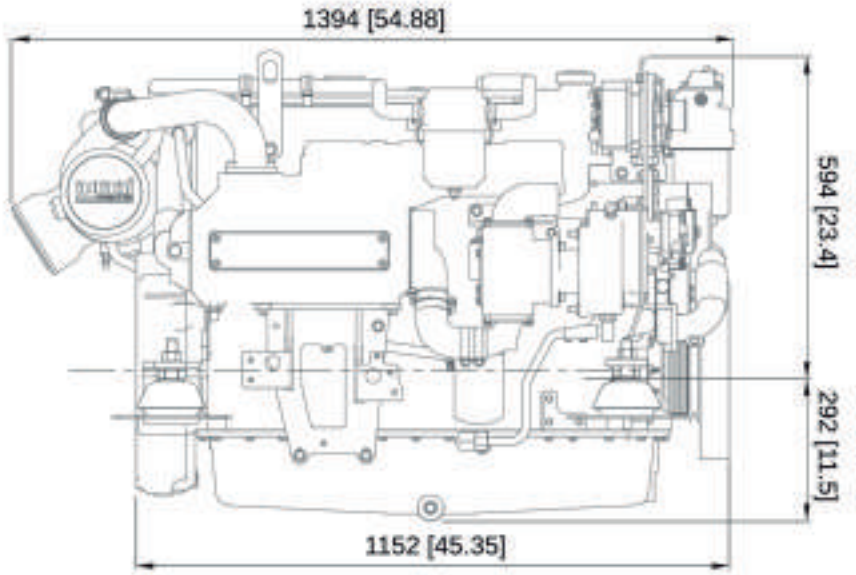
TORQUE AT CRANKSHAFT

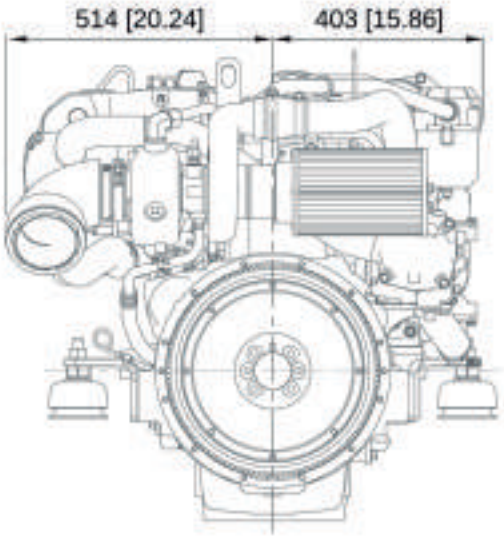


FUEL CONSUMPTION



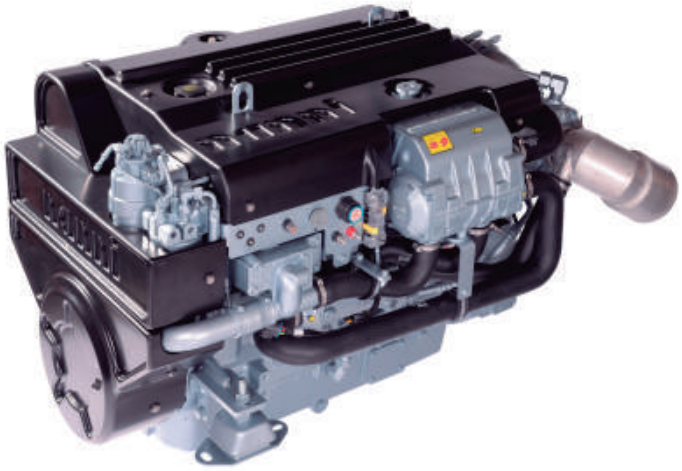
DIMENSIONS





N6.405 CR2

SPECIFICATIONS



Power at crankshaft	298 kW [405 hp]
Displacement	6.8 l [415 in^3]
Configuration	6 cylinders in line
Operation type	4 strokes Diesel
Bore & Stroke	106.4 x 127 mm [4.19 x 5 in]
Compression ratio	16.3 : 1
Rated speed	2800 rpm
Idling speed	600 rpm
Peak torque	1230 Nm
Peak torque speed	2200 rpm

Engine base	John Deere
Fuel system	Direct injection High pressure Common Rail Electronically controlled
Air intake	Turbocharged Air-to-seawater aftercooler
Cooling	Closed cooling with heat exchanger
Max mounting angle	0° Front down 12° Front up
Alternator	24 Volt 50 Amp
Rating	M5
Emission compliance	IMO Marpol Annex VI NRMM (97/68/EC) Tier 3 EPA marine Tier 3 RCD2 2013/53/EU
Dry weight	735 kg [1620 lbs]

N6.405 CR2
298 KW [405 HP] AT 2800 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK
- Replaceable wet-type cylinder liners
- 4 Valves per cylinder
- Watercooled exhaust manifold

FUEL SYSTEM
- Primary & secondary fuel filter
- Fuel heater
- Common Rail fuel injection system

LUBRICATION SYSTEM
- Replacable full-flow oil filter
- Oil dipstick
- Oil cooler

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

ELECTRICAL SYSTEM & INSTRUMENTATION
- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-andplay

AIR INTAKE
- Turbocharged
- Air-to-seawater aftercooler

OTHER FEATURES
- Flywheel SAE 3
- Flexible engine mounting
- Damper pulley

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

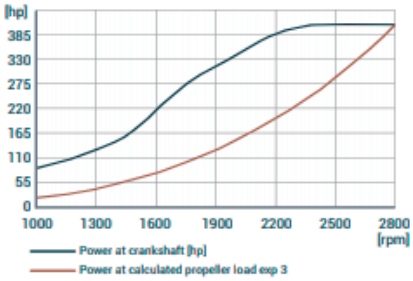
- Up to 1000 annual operating hours
- Load factor up to 35%
- Full power for no ore than 30 minutes out of 8 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

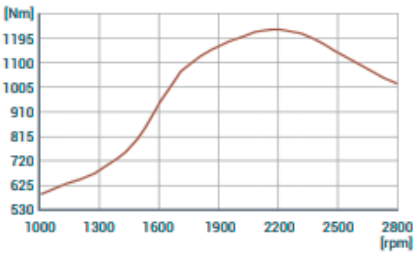
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

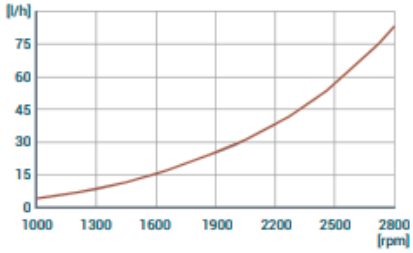
POWER AT CRANKSHAFT



TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS