

N5.150

SPECIFICATIONS



Power at crankshaft	112 kW [152 hp]	Engine base	John Deere
Displacement	4.5 l [275 in³]	Fuel system	Direct injection Mechanical controlled
Configuration	4 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 12° Front up
Compression ratio	17.2 : 1	Alternator	24 Volt 50 Amp
Rated speed	2600 rpm	Rating	M4
Idling speed	700 rpm	Dry weight	462 kg [1018 lbs]
Peak torque	507 Nm	Peak storque speed	1800 rpm

N5.150

112 KW [152 HP] AT 2600 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK

- Replaceable wet-type cylinder liners
- Watercooled exhaust manifold

FUEL SYSTEM

- Primary & secondary fuel filter
- Common Rail fuel injection system

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

- 24V / 50A alternator
- 24V starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-and-play

AIR INTAKE

- Turbocharged

OTHER FEATURES

- Flywheel SAE 3
- Flexible engine mounting
- Internal balancers

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 of approval

RATINGS

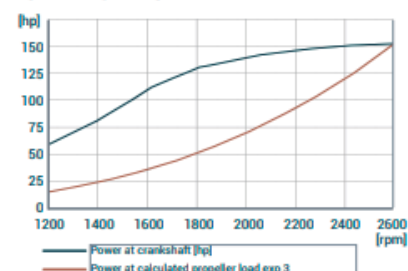
- Up to 500 annual operating hours
- Load factor up to 35%
- Full power for no more than 30 minutes out of each 8 hours of operation. The remaining time must be at, or below cruising speed

TRANSMISSIONS

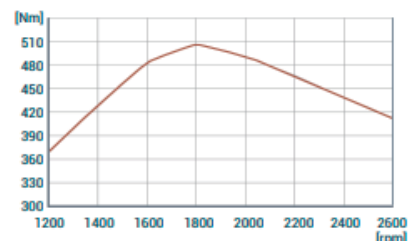
- Contact your local Nanni dealer for more details and availability for transmission model and type

PERFORMANCE CURVES

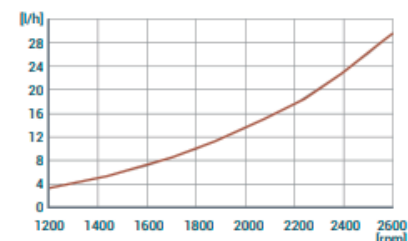
POWER AT CRANKSHAFT



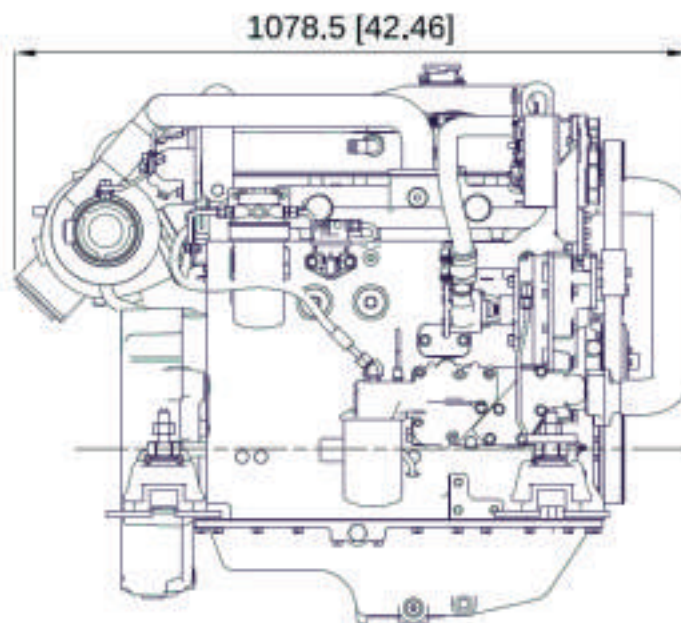
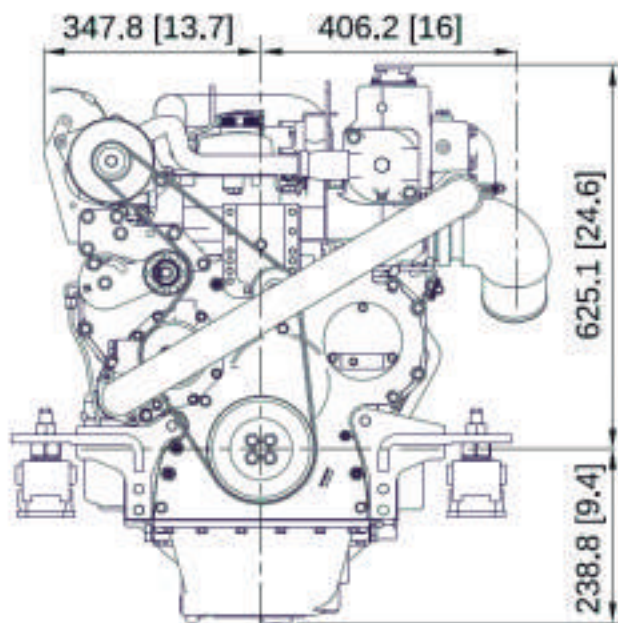
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS



N5.160 CR2

SPECIFICATIONS



Power at crankshaft	119 kW [162 hp]	Engine base	John Deere
Displacement	4.5 l [275 in³]	Fuel system	Direct injection Mechanical governor electronically controlled
Configuration	4 cylinders in line	Air intake	Turbocharged Air-to-seawater aftercooler
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 12° Front up
Compression ratio	16.2 : 1	Alternator	24 Volt 50 Amp
Rated speed	2300 rpm	Rating	M1
Idling speed	600 rpm	Emission compliance	IMO Annex VI compliant EPA marine Tier 3 NRMM 97/68/EC RCD 2013/53/EU
Peak torque	604 Nm		
Peak torque speed	1800 rpm	Dry weight	462 kg [1018 lbs]



N5.160 CR2

119 KW [162 HP] AT 2300 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK

- Replaceable wet-type cylinder liners
- 4 valves per cylinder
- Watercooled exhaust manifold

FUEL SYSTEM

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

LUBRICATION SYSTEM

- Replaceable 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-and-play

AIR INTAKE

- Turbocharged
- Air-to-seawater aftercooler

OTHER FEATURES

- Flywheel SAE 3
- Flexible engine mounting
- Internal balancers

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

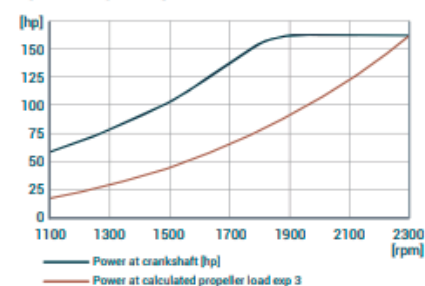
- 24 daily operating hours
- Load factor over 65%
- Uninterrupted full power

TRANSMISSIONS

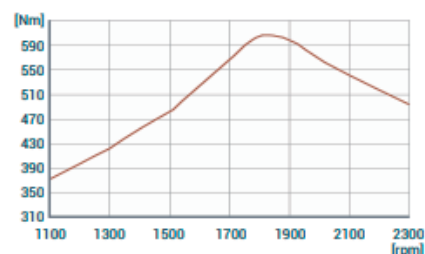
- Contact your local Nanni dealer for more details and availability for transmission model and type

PERFORMANCE CURVES

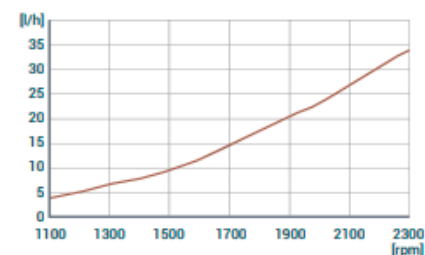
POWER AT CRANKSHAFT



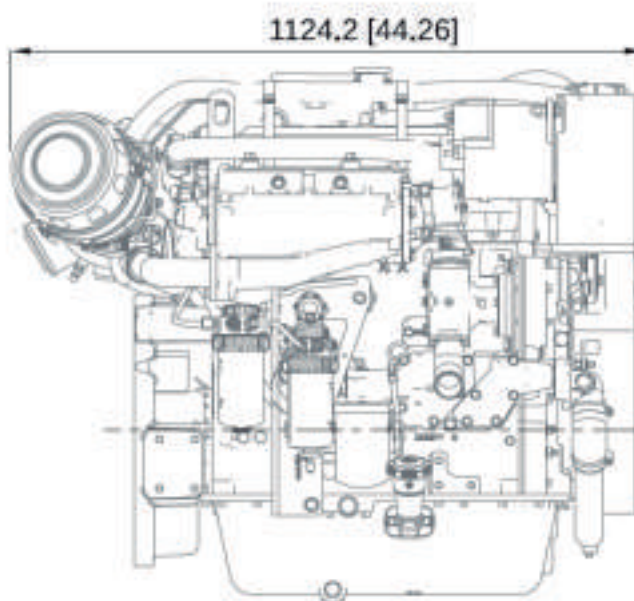
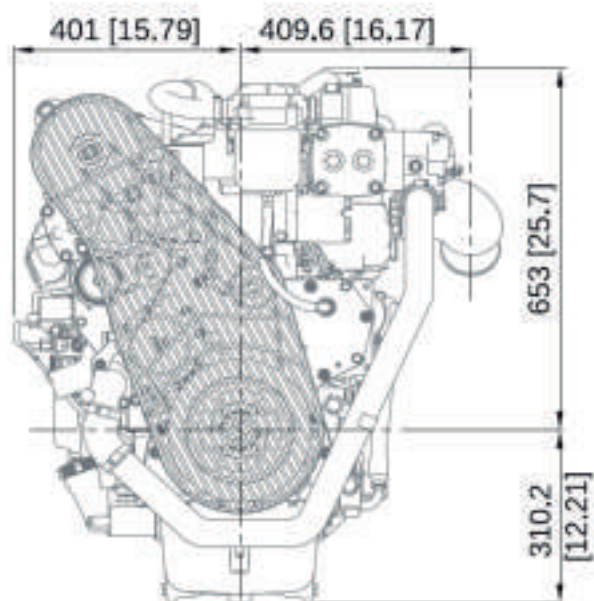
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS BOBTAIL



N5.180 CR2

SPECIFICATIONS



Power at crankshaft	134 kW [182 hp]	Engine base	John Deere
Displacement	4.5 l [275 in³]	Fuel system	Direct injection Mechanical governor electronically controlled
Configuration	4 cylinders in line	Air intake	Turbocharged Air-to-seawater aftercooler
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 12° Front up
Compression ratio	16.2 : 1	Alternator	24 Volt 50 Amp
Rated speed	2400 rpm	Rating	M2
Idling speed	600 rpm	Emission compliance	IMO Annex VI compliant EPA marine Tier 3 NRMM 97/68/EC RCD 2013/53/EU
Peak torque	640 Nm		
Peak torque speed	2000 rpm	Dry weight	578 kg [1274 lbs]



N5.180 CR2

134 KW [182 HP] AT 2400 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK

- Replaceable wet-type cylinder liners
- 4 valves per cylinder
- Watercooled exhaust manifold

FUEL SYSTEM

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

LUBRICATION SYSTEM

- Replaceable 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-and-play

AIR INTAKE

- Turbocharged
- Air-to-seawater aftercooler

OTHER FEATURES

- Flywheel SAE 3
- Flexible engine mounting
- Internal balancers

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

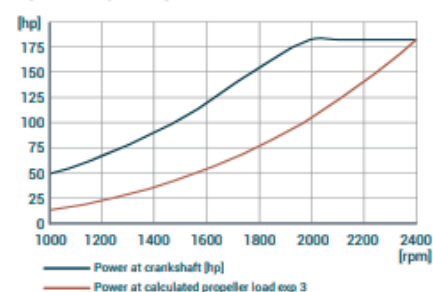
- Up to 5000 annual operating hours
- Load factor up to 65%
- Full power for no more than 16 hours out of 24 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

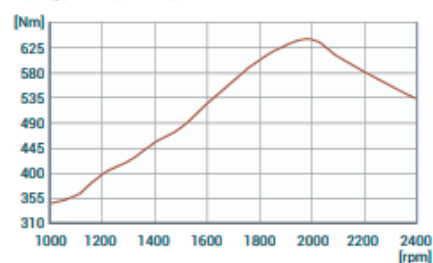
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

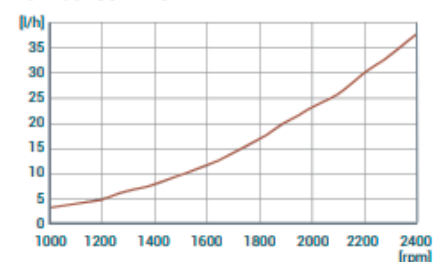
POWER AT CRANKSHAFT



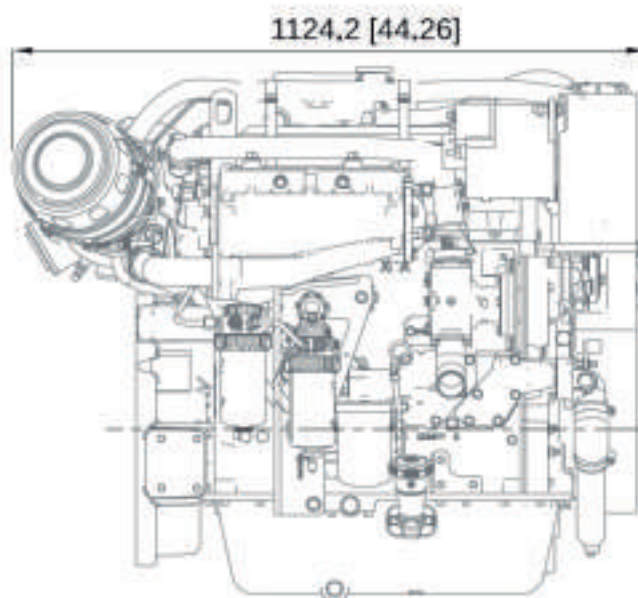
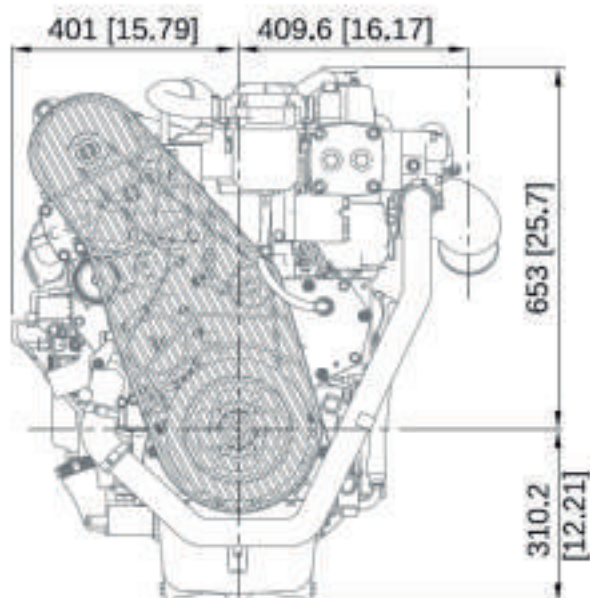
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS



N5.200 CR2

SPECIFICATIONS



Power at crankshaft	149 kW [203 hp]	Engine base	John Deere
Displacement	4.5 l [275 in³]	Fuel system	Direct injection Mechanical governor electronically controlled
Configuration	4 cylinders in line	Air intake	Turbocharged Air-to-seawater aftercooler
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 12° Front up
Compression ratio	16.7 : 1	Alternator	24 Volt 50 Amp
Rated speed	2500 rpm	Rating	M3
Idling speed	600 rpm	Emission compliance	IMO Annex VI compliant EPA marine Tier 3 NRMM 97/68/EC RCD 2013/53/EU
Peak torque	695 Nm		
Peak torque speed	2000 rpm	Dry weight	578 kg [1274 lbs]



N5.200 CR2

149 KW [203 HP] AT 2500 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK

- Replaceable wet-type cylinder liners
- 4 valves per cylinder
- Watercooled exhaust manifold

FUEL SYSTEM

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

LUBRICATION SYSTEM

- Replaceable 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-and-play

AIR INTAKE

- Turbocharged
- Air-to-seawater aftercooler

OTHER FEATURES

- Flywheel SAE 3
- Flexible engine mounting
- Internal balancers

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

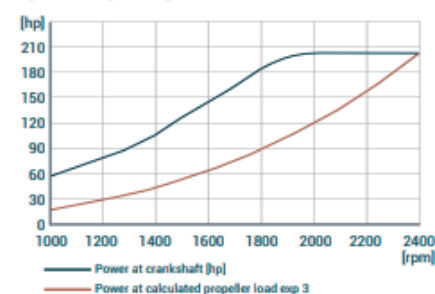
- Up to 5000 annual operating hours
- Load factor up to 65%
- Full power for no more than 16 hours out of 24 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

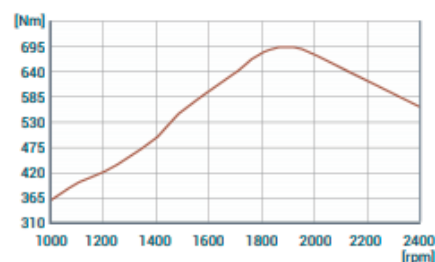
- Contact your Nanni representative for more details and availability about transmissions types and models range.

PERFORMANCE CURVES

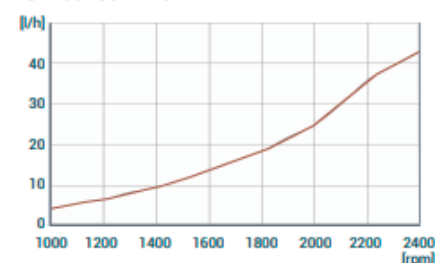
POWER AT CRANKSHAFT



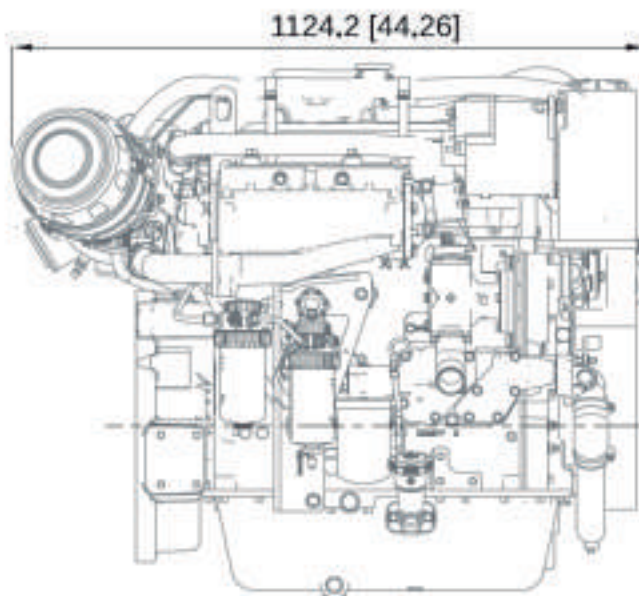
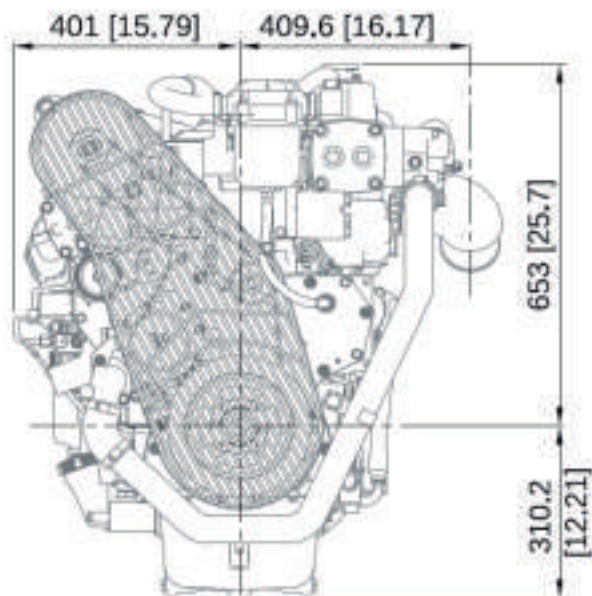
TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS



N5.230 CR2

SPECIFICATIONS



Power at crankshaft	168 kW [228 hp]	Engine base	John Deere
Displacement	4.5 l [275 in³]	Fuel system	Direct injection Mechanical governor electronically controlled
Configuration	4 cylinders in line	Air intake	Turbocharged Air-to-seawater aftercooler
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 12° Front up
Compression ratio	16.7 : 1	Alternator	24 Volt 50 Amp
Rated speed	2600 rpm	Rating	M4
Idling speed	600 rpm	Emission compliance	IMO Annex VI compliant EPA marine Tier 3 NRMM 97/68/EC RCD 2013/53/EU
Peak torque	640 Nm		
Peak torque speed	2000 rpm	Dry weight	578 kg [1274 lbs]



N5.230 CR2

168 KW [228 HP] AT 2600 RPM

TECHNICAL DESCRIPTION

ENGINE BLOCK

- Replaceable wet-type cylinder liners
- 4 valves per cylinder
- Watercooled exhaust manifold

FUEL SYSTEM

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

LUBRICATION SYSTEM

- Replaceable 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-and-play

AIR INTAKE

- Turbocharged
- Air-to-seawater aftercooler

OTHER FEATURES

- Flywheel SAE 3
- Flexible engine mounting
- Internal balancers

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

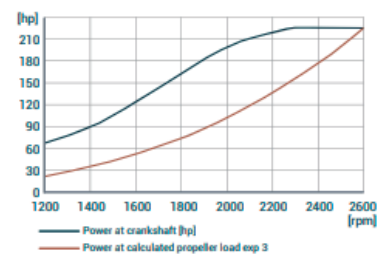
- Up to 3000 annual operating hours
- Load factor up to 40%
- Full power for no more than 1 hour out of 12 hours of operation. The remaining operation time must be at or below cruising speed

TRANSMISSIONS

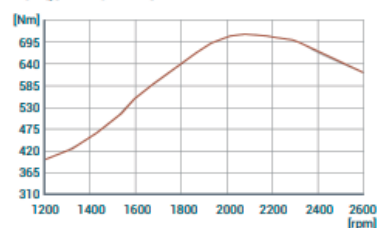
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PERFORMANCE CURVES

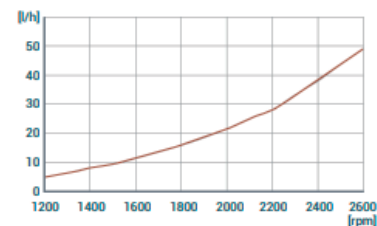
POWER AT CRANKSHAFT



TORQUE AT CRANKSHAFT



FUEL CONSUMPTION



DIMENSIONS

