

# N13.800 CR2

## Specifications



|                     |                               |
|---------------------|-------------------------------|
| Power at crankshaft | 559 kW [760 hp]               |
| Displacement        | 13.6 l [830 in <sup>3</sup> ] |
| Configuration       | 6 cylinders in line           |
| Operation type      | 4 stroke Diesel               |
| Bore & Stroke       | 132 x 165 mm [5.2 x 6.5 in]   |
| Compression ratio   | 16:1                          |
| Rated speed         | 2200 rpm                      |
| Idling speed        | 600 rpm                       |
| Peak torque         | 2913 Nm                       |
| Peak torque speed   | 1700 rpm                      |
| Dry weight          | 1380 kg [3042 lbs]            |

|                     |                                                                               |
|---------------------|-------------------------------------------------------------------------------|
| Engine base         | John Deere                                                                    |
| Fuel system         | Electronically controlled unit injectors                                      |
| Air intake          | Turbocharged<br>Air-to-seawater aftercooler                                   |
| Cooling             | Closed cooling with heat exchanger                                            |
| Max mounting angle  | 0° Front up<br>12° Front down                                                 |
| Alternator          | 24 Volt<br>100 Amp                                                            |
| Rating              | M5                                                                            |
| Emission compliance | IMO Annex VI compliant<br>EPA marine Tier 3<br>NRMM 97/68/EC<br>RCD2013/53/EU |

# N13.800 CR2

559 kW [760 hp] at 2200 rpm

## TECHNICAL DESCRIPTION

### Engine block

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

### Fuel system

- Electronically controlled unit injectors
- 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 100A alternator
- 24 Volt starter motor
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-in connection

### Air intake

- Water cooled turbocharger
- Air-to-Coolant aftercooler

### Other features

- Flywheel SAE 1
- Damper pulley
- Flexible engine mounting

### Optional equipment & 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

## RATING

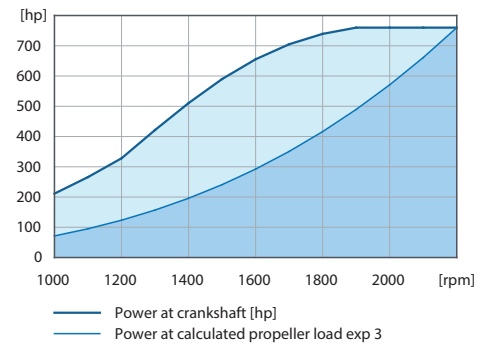
- Up to 1000 annual operating hours
- Load factor up to 35%
- Full power for no more than 30 minutes out of each 8 hours of operation. The remaining operation time must be at or below cruising speed

## TRANSMISSIONS

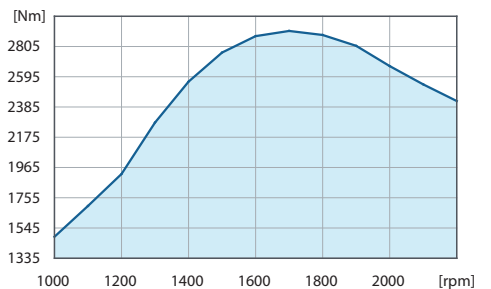
Contact your local dealer for more details and availability for transmission model and type.

## PERFORMANCE CURVES

### Power at crankshaft



### Torque at crankshaft



### Fuel consumption

