

# N4.140E SD

## SPECIFICATIONS



|                     |                                |                     |  |
|---------------------|--------------------------------|---------------------|--|
| Power at crankshaft | 99.4 kW [135 hp]               | Engine base         | Kubota                                       |
| Displacement        | 3.769 l [230 in <sup>3</sup> ] | Fuel system         | Electronic injection                         |
| Configuration       | 4 cylinders in line            | Air intake          | Turbocharged with intercooler                |
| Operation type      | 4 strokes Diesel               | Cooling             | Closed cooling with heat exchanger           |
| Bore & Stroke       | 100 x 120 mm [3.94 x 4.72 in]  | Max mounting angle  | 7° Front down<br>7° Front up                 |
| Compression ratio   | 19.1 : 1                       | Alternator          | 12 Volt<br>120 Amp                           |
| Rated speed         | 2600 rpm                       | Rating              | M4   |
| Idling speed        | 825 rpm                        | Emission compliance | RCD 2013/53/EU<br>EPA marine Tier 3<br>BSO 2 |
| Peak torque         | 453.6 Nm                       | Dry weight          | 353 kg [778 lbs]                             |
| Peak torque speed   | 1600 rpm                       |                     |  |

# N4.140E SD

99.4 kW [135 hp] at 2600 rpm

## TECHNICAL DESCRIPTION

### ENGINE BLOCK

- 4 Cylinders in line
- 4 Valves per cylinder
- Gear driven valve train
- Watercooled exhaust manifold

### FUEL SYSTEM

- Electronic governor
- Cam driven in-line injection pump
- Fuel feed pump
- Fuel filter with hand primer

### LUBRICATION SYSTEM

- Replaceable full-flow oil filter
- Oil dipstick
- Oil drain pump

### COOLING SYSTEM

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

### ELECTRICAL SYSTEM & INSTRUMENTATION

- 12 V Electrical system
- 12 V / 120 A alternator
- Electric starter motor
- Electric stop function
- Instrumentation panel, including Start/ Stop, tachometer, coolant temperature & oil pressure indicators, alarms
- Extension cable harness with plug-and-play

### AIR INTAKE

- Turbocharged with intercooler
- Mounted air cleaner

### OTHER FEATURES

- Flexible engine mounting
- Bracket for control cables

### OPTIONAL EQUIPMENTS & ACCESSORIES

- Keel cooling adaptation
- Complete marine propulsion systems
- Throttle and shift controls
- Additional instrumentation, Flying bridge extension harness
- Alternator 24 V - 55 A
- 24 V Electrical system
- Engine mounting adaptation
- Two pole electrical system
- Complete exhaust systems
- Trolling valve

### RATINGS

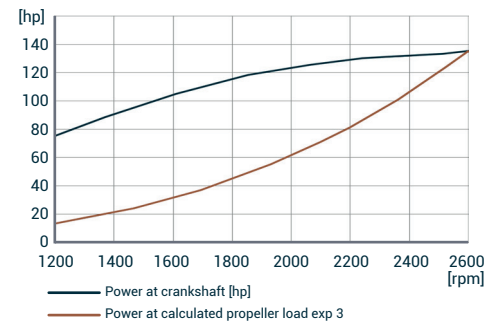
- Up to 1000 annual operating hours
- Load factor up to 35%
- Full power for no more than 30 minutes out of each 8 hours of operation. The remaining time must be at, or below cruising speed

### TRANSMISSIONS

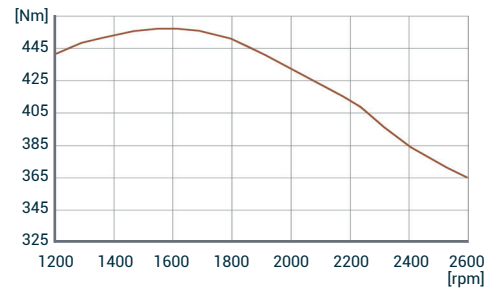
- SD 15 - Standard or extended leg.

## PERFORMANCE CURVES

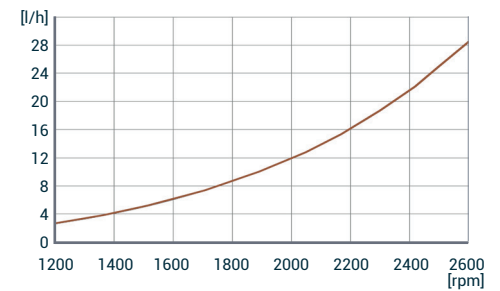
### POWER AT CRANKSHAFT



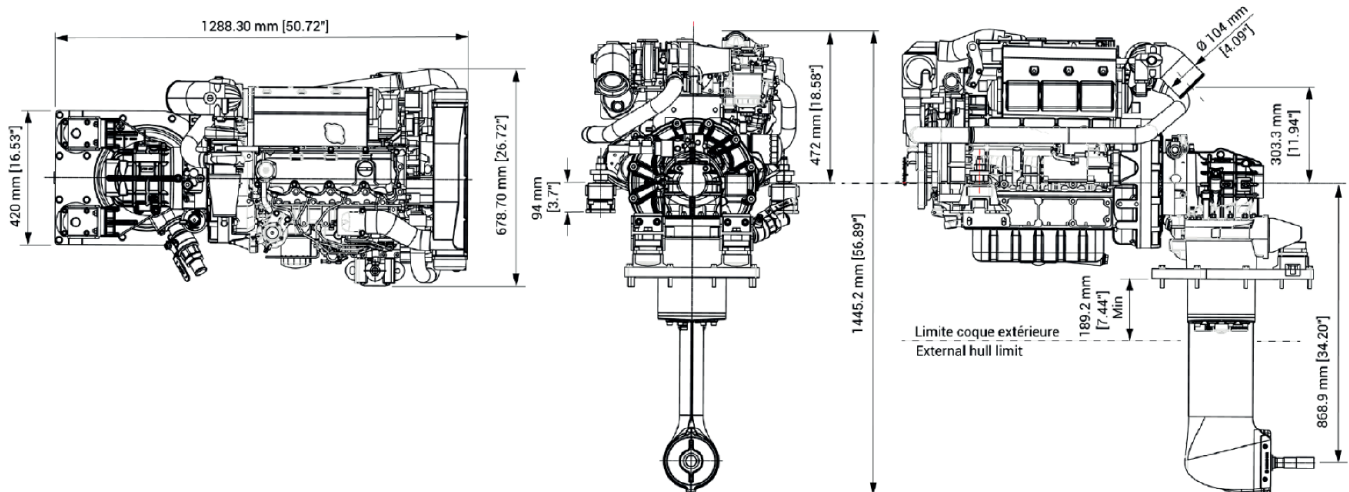
### TORQUE AT CRANKSHAFT



### FUEL CONSUMPTION



## DIMENSIONS



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