

# T4.270

## Specifications



<b>Power at crankshaft</b>	194.9 kW [265 hp]	<b>Engine base</b>	Toyota
<b>Displacement</b>	2.982 l [182 in <sup>3</sup> ]	<b>Fuel system</b>	Direct injection High pressure Common Rail Electronically controlled
<b>Configuration</b>	4 cylinders in line 4 valves per cylinder	<b>Air intake</b>	Turbocharged with intercooler
<b>Operation type</b>	4 stroke Diesel	<b>Cooling</b>	Closed cooling with heat exchanger
<b>Bore &amp; Stroke</b>	96 x 103 mm [3.78 x 4.06 in]	<b>Mounting angle</b>	7° Front up 7° Front down
<b>Compression ratio</b>	15:1	<b>Alternator</b>	12 Volt 100 Amp
<b>Rated speed</b>	3600 rpm	<b>Rating</b>	M6
<b>Idle speed</b>	700 rpm	<b>Emission compliance</b>	RCD 94/25/EC EPA marine Tier 3 BSO 2
<b>Peak torque</b>	660 Nm		
<b>Peak torque speed</b>	2000 rpm		
<b>Dry weight</b>	350 kg [771 lb]		

# T4.270

194.9 kW [265 hp] @ 3600 rpm

## TECHNICAL DESCRIPTION

### Engine block

- 4 cylinders in line
- 4 valves per cylinder
- Dual overhead camshafts (DOHC)
- Watercooled exhaust manifold
- Internal balancers

### Fuel system

- Common Rail fuel injection system
- Fuel filter with hand primer
- Integrated fuel cooler

### Lubrication system

- Replaceable full-flow oil filter
- Oil dipstick
- Transmission 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

- 12V 100A alternator
- 12V Electrical system
- Complete instrumentation including key switch and alarms
- Extension cable harness with plug-in connection

### Air intake

- Dry turbocharger
- Intercooler

### Other features

- Flexible engine mounting

### Optional equipment & accessories

- Complete marine propulsion systems
- Marine transmission adaptation kits
- Throttle and shift controls
- Additional instrumentation, Flying bridge extension harness
- Water boiler systems
- Complete fuel systems
- Complete exhaust systems
- Trolling valve

## RATING

- 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 operation time must be at or below cruising speed

## TRANSMISSIONS

### Shaft line

- TTM50A
- ZF63A

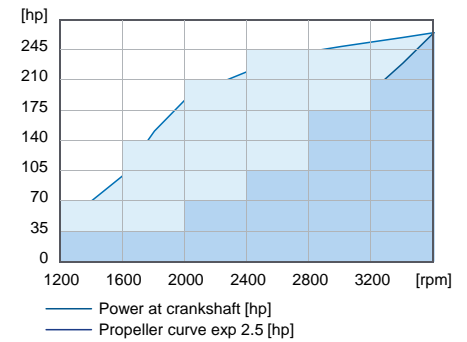
### Stern Drive

- Bravo X One
- Bravo X Three
- Bravo X Two

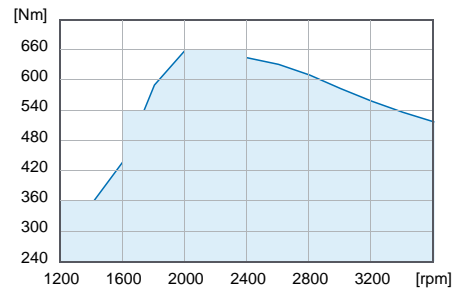
Contact your local dealer for more details and availability for transmission model and type.

## PERFORMANCE CURVES

### Power at crankshaft

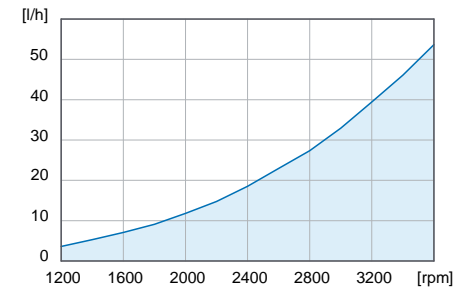


### Torque at crankshaft

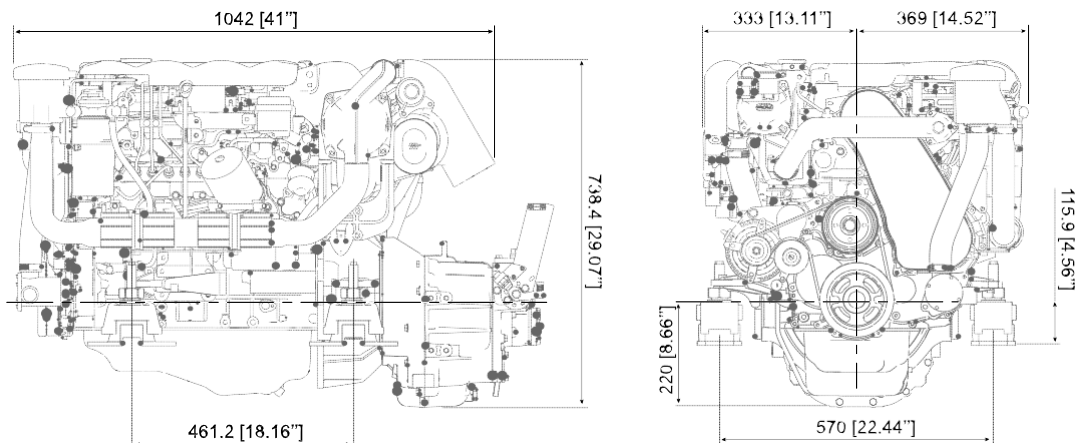


### Fuel consumption

At calculated propeller load exp 2.5



## DIMENSIONS WITH TTM50A



### PowerPort BV

Govert van Wijkade 3  
3144 ED Maassluis

Postbus 15  
3140 AA Maassluis  
Tel: 010-590 39 39  
[info@powerport.nl](mailto:info@powerport.nl)

Your dealer  
DE HAAS

**PowerPort**  
[www.powerport.nl](http://www.powerport.nl)