

Marine Propulsion Engine

M92B

1104 Series



The M92B engine is the successor to the very successful M92. It has been inspired by and led by the future requirements of our customers to meet the needs of the marine industry. Precisely tailored technology means applications you can depend on

The M92B is a quiet 4.4 litre delivering improved performance and reduced operating costs in an efficient package ideal for a range of marine applications.

The change over for existing M90/ M92 is made easy through the carry over of existing envelope size and mounting points therefore minimising installation issues in repowering projects. Powerful technology that is tailored specifically for your requirements

Powered By Your Needs

Perkins engines can be tailored specifically for you. These engines offer a choice of standard build configurations to match the needs of customers for a diverse range of applications.

World Class Product Support

With 80 years experience, we are experts in the engines industry. At Perkins we are constantly researching, developing and investing in our products and services. Strong global support is provided through a network of over 130 distributors and service outlets in 184 countries, providing access to over 50,000 parts and exchange units 24 hours a day, 365 days a year.

Lower Operating Costs

Service intervals 500 hours as standard and Perkins provides comprehensive warranty cover for 2 years, with 3 years on major engine components. In addition, fuel economy has improved by as much as 6%.

Class Leading Performance

The M92B increases torque capability over its highly successful predecessor. Improvements have been made to the torque to give up to 12% more low speed torque with torque backup, increasing to 26%.

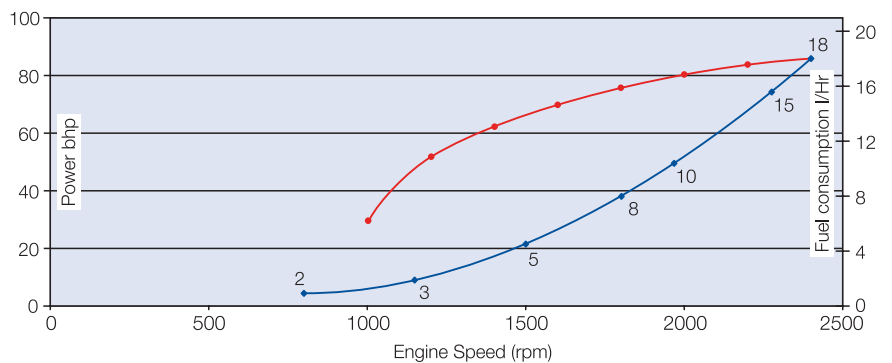
Clean And Quiet

Improvements of up to 3dBA have also been made with noise over its predecessor. This has been achieved through product developments.

Quality By Design

Improvements have been made to reliability and durability with 'design for assembly' through simplified sub-assemblies and improved joint and sealing technologies.

Model	Rating	Peak Torque (Nm)	Rating
M92B	64 kW @ 2400 rpm	308 @1200 rpm	MD



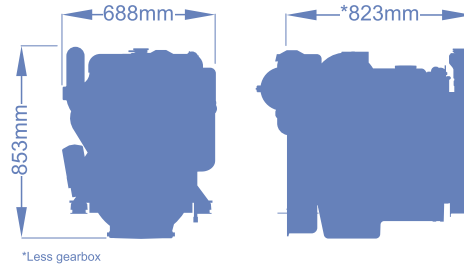
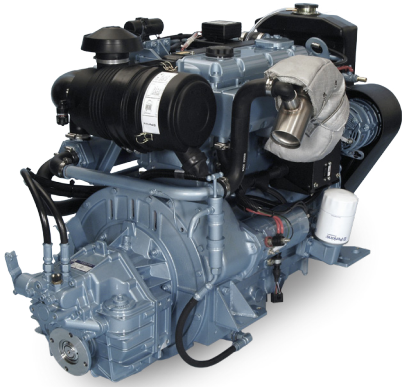
Propeller law consumption (2.8 index).



THE HEART OF EVERY GREAT MACHINE

M92B

1104 Series



Benefits:

- Excellent power to weight
- Ease of Installation
- Clean, quiet, smooth operation
- Excellent fuel economy
- Easy to maintain with 500hr Service interval
- Reliability

Standard Features

- Base engine
- Fresh water heat exchanger cooled engine with gear driven self priming raw water and fresh water pumps or keel cooling adaption
- Fresh water cooled exhaust manifold, intake manifold and heat exchanger
- Air intake filter
- High inclination engine sump with sump drain pump
- Inverted element lube oil filter
- Transmission oil cooler
- Totally enclosed engine breather
- High mounted single element fuel filter
- Manual control adaption parts
- Alarm switches and warning siren

Optional Equipment

- Marine transmissions (standard) Hurth HSW 450A, Newage PRM 500D / PRM 260D, Borg Warner 72C
- 12 or 24 volt insulated
- Water injected outlet, dry exhaust flange
- Single and dual station instrumentation
- Power take off with pulley drives
- Solid mounting brackets
- Keel cooling option
- Belt cover
- Solid or flexible output couplings
- Engine mounted bilge pumps
- Fuel pre-filter with water alarm
- Flexible fuel feed and return pipes
- Calorifier connections
- Toolkit
- On-board parts kit

General Data	
Number of cylinders	Vertical in-line 4 cylinder
Bore and stroke	105 mm x 127 mm
Displacement	4.4 litres
Aspiration	Natural
Cycle	4 stroke
Combustion system	Direct injection
Compression ratio	18.23:1
Rotation	Clockwise from front
Cooling system	Water
PTO	Available from front end drive. For drive limitations refer to Perkins.
Operational angle (max)	Max continuous operating angles 20° front up; 25° sideways (35° sideways intermittent operation).
Dimensions	*Length 823 mm, Width 688 mm, Height 853 mm
Dry weight	398 kg
Wet weight	423 kg

*Final weight and dimensions will depend on completed specification

Rating Definitions

Pleasure Duty

For vessels operating up to 30% load factor. This rating is intended for pleasure/non-revenue generating applications that operate less than 500 hours a year. Typical applications could include but are not limited to: High speed planning craft.

Light Duty

For vessels operating up to 50% load factor. This rating is intended for applications that operate less than 1500 hours a year in variable load applications where full power is limited to 2 hours out of every 12 hours of operation and reduced power must be at or below 200 rpm of the maximum rated rpm. Typical applications could include but are not limited to: planing / semi displacement craft such as customs and police launches, sport fish charter vessels, passenger carriers, survey craft and long distance cruisers etc.

Medium Duty

For vessels operating up to 60% load factor. This rating is intended for applications that operate less than 4000 hours a year. Typical applications could include but are not limited to: Semi-displacement / displacement craft such as customs and police launches, high speed commercial fishing, passenger carriers, survey craft, ferries and long distance cruisers etc.

Heavy Duty

For vessels operating up to 80% load factor. This rating is intended for applications that operate less than 4000 hours a year. Typical applications could include but are not limited to: semi-displacement / displacement craft such as customs and police launches, high speed commercial fishing, passenger carriers, survey craft and ferries etc.

For further details on definitions please contact your local Perkins distributor.

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