

1100 Series M92B Marine Propulsion Engine

64 kW (86 hp) @ 2400 rpm

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.



Specification		
Number of cylinders	4 vertical in-line	
Bore and stroke	105 x 127 mm	4.1 x 5.0 in
Displacement	4.4 litres	269 in ³
Aspiration	Natural	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	18.23:1	
Rotation	Clockwise, from front	
Total lubricating capacity	7 litres	1.8 US gal
Cooling system	Water cooled	
Total coolant capacity	19 litres	5 US gal

www.Perkins.com/Marine

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All information in this document is substantially correct at time of printing and may be altered subsequently.
Final weight and dimensions will depend on completed specification.

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 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

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Features and benefits

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

Lower operating costs

- Service intervals 500 hours as standard and Perkins provides comprehensive warranty cover for two years, with three 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

Product support

- Perkins actively pursues product support excellence by ensuring our distribution network invest in their territory – strengthening relationships and providing more value to you, our customer
- Through an experienced global network of distributors and dealers, fully trained engine experts deliver total service support around the clock, 365 days a year. They have a comprehensive suite of web based tools at their fingertips covering technical information, parts identification and ordering systems, all dedicated to maximising the productivity of your engine
- Throughout the entire life of a Perkins engine, we provide access to genuine OE specification parts and service. We give 100% reassurance that you receive the very best in terms of quality for lowest possible cost .. wherever your Perkins powered machine is operating in the world
- To find your local distributor: www.perkins.com/distributor

E-mail: Marine@Perkins.com Web: www.Perkins.com/Marine

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Marine Power

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Technical information

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

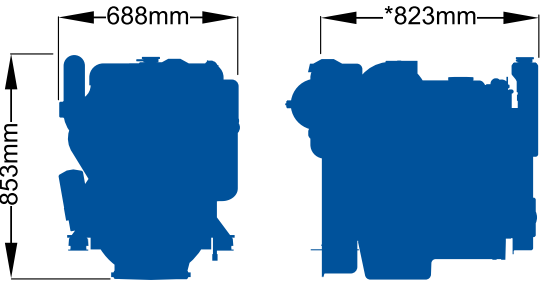
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Engine package weights and dimensions		
Length	*823 mm	32 in
Width	688 mm	27 in
Height	853 mm	34 in
Weight (dry)	398 kg	877 lb

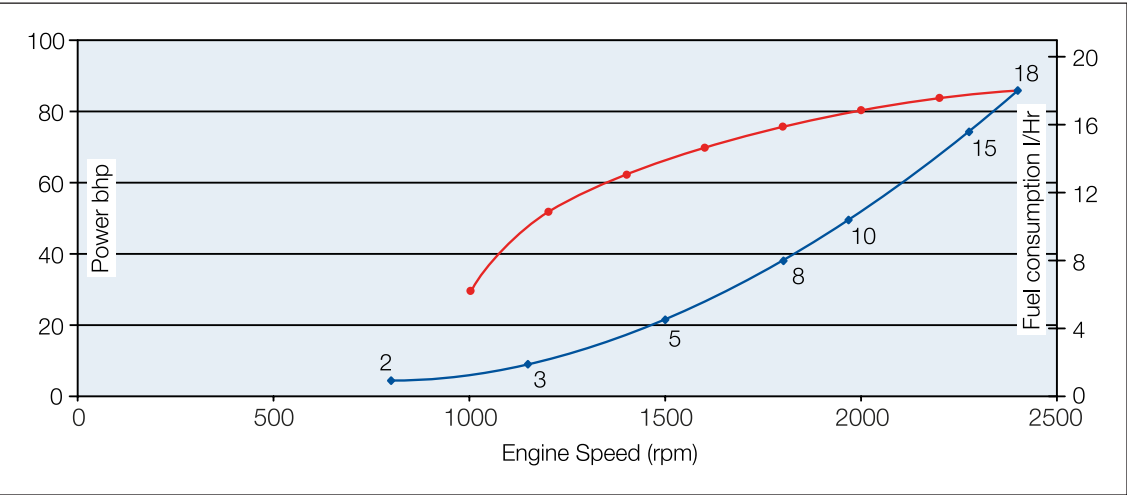
*Less gearbox

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Propeller law consumption (2.8 index).

Speed rpm	Power kW	Power hp	Speed rpm	Torque Nm	Torque lb·ft	Rating type
2400	64	86	1200	308	227	MD

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.