

TRANS ATLANTIC DIESELS

PERKINS SABRE M92 MARINE DIESEL ENGINES

Model
M92



91 HP @
2400 RPM

THE PERKINS SABRE M92

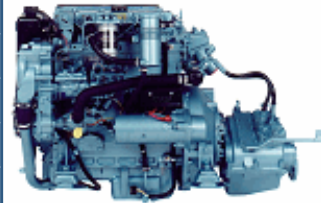
Maximum Power: 91 hp

Maximum RPM: 2400

Capacity: 259 cu in

Cylinders: 4

Aspiration: N



Bore/Stroke: 4.02" / 5.00"

Weight: 921 lbs

Length: 32.20"

Width: 25.60"

Height: 30.60"

Typical Fuel Consumption: 2.00 UK gal/hr (2.40 US gal/hr)

The new generation of 4 cylinder, 4.23 litre, direct injection marine diesel engines from the Perkins Sabre partnership.

Premium engine features for reliability and durability minimizes engine downtime and service costs. Marina friendly design to operate free of smoke to the naked eye combined with low noise. Lowest cost of ownership in its class - it pays to compare running costs. Engine interchangeability - designed to have installation interchangeability with the 4.236 (M90) marine engine. Unrivalled global and local service support - service available wherever you are.



RELIABLE AND DURABLE POWER

This new generation engine has a pedigree of reliability inherited from its predecessors replacing the 4.236 (M90) which was the benchmark for the industry.

Cooling is provided by gear driven fresh and sea water pumps - no longer any danger of coolant belt failure.

Better cooling, a stronger structure along with quick starting at even lower temperatures.

High capacity heat exchange equipment with high quality cupro-nickel tubestack.



High capacity fuel filter with pre-filter option and water alarm facility minimizes failure due to fuel contamination.

This new generation engine is designed to give at least 12,000 hours productive service life before needing a basic overhaul. Low engine rated speed to reduce wear and noise.



LOW COST OF OWNERSHIP

Operator costs are a vital consideration when deciding which engine to purchase. This is a particularly important factor in craft where operating hours are significant.

Low fuel consumption, low cost of replacement parts and extended service intervals with up to 500 hours oil change periods (for approved applications only) means low operator costs.

Quick, easy and economical maintenance is made possible by convenient positioning of service points for easy accessibility.

QUIET, CLEAN POWER

Developed from off-highway EEC and US Federal emissions legislation, the M92 is aimed at surpassing future marine legislation. These new generation engines go further for the operator and the environment by also operating free from visible smoke throughout the operating speed range.

THE PERKINS SABRE M92 - Engine Specifications

Engine Configuration: 4 cylinder, in-line vertical, 4 stroke, water cooled

Aspiration: Natural

Bore / Stroke: 103mm (4.1in) x 127mm (5.00in)

Displacement: 4.23 litre (258 cu. in.)

Compression Ratio: 18.5:1

Combustion System: Fastram direct injection

Engine Rotation: Clockwise viewed from front

Fuel Injection Equipment: Lucas rotary with electric and manual stop.

Governing: Mechanical – all speed.

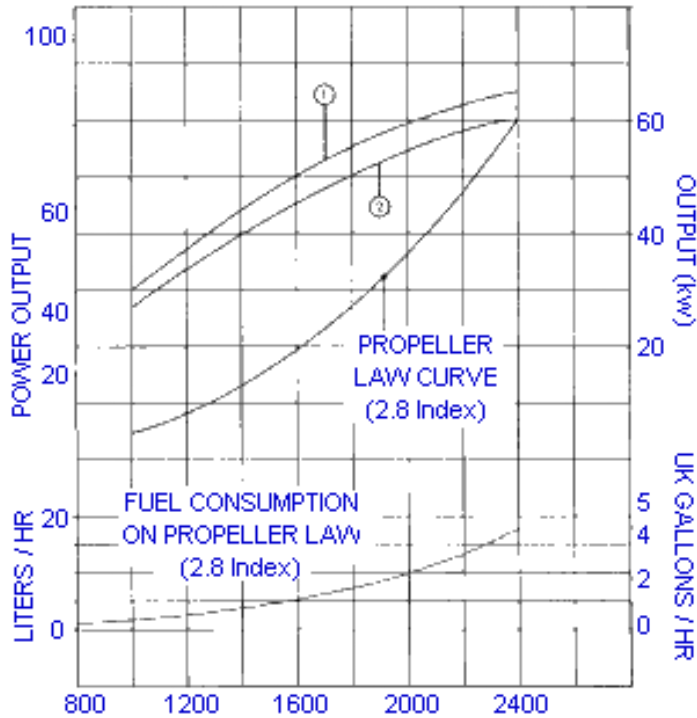
Continuous Engine Operating Angles: 20° front end up, 25° sideways (35° sideways intermittent)



Power Take Off: Available from front end drive (for drive limitations refer to Sabre Engines Ltd.

Weight (Wet): 418 kg (921 lb) engine only, 455 kg (1003 lb) with ZF Hurth HSW450A gearbox, 499 kg (1100 lb) with Newage PRM500D gearbox.

THE PERKINS SABRE M92 - Performance



THE PERKINS SABRE M92 - Equipment

Standard Equipment

Fresh water heat exchanger cooled engine with gear driven self priming raw water and fresh water pumps or keel cooling adaptor.

Fresh water cooled exhaust manifold combined with intake manifold and heat exchanger.

Air intake with re-usable elements.

High inclination engine sump with sump drain facility and top access dipstick.

Inverted spin-on element lube oil filter with "disc" type oil cooler.

Totally enclosed engine breather.

High mounted single element fuel filter.

Manual control adaption parts.

Alarm switches and warning siren.



Optional Equipment

Marine Transmission (Standard): ZF Hurth HSW 450A - Newage PRM500D/PRM265D - Borg Warner 10-18

Electrical: 12 or 24 volt electrics.

Exhaust Outlets: Water injected outlet. Dry exhaust flange.

Instrumentation: Simple and dual station instrumentation including audible and visual alarms with gauges, senders, switches, loom and varying lengths of interconnecting cables. Simple tachometer panels are also available.

Mountings: Solid mounting brackets - flexible engine mountings with alignment shims. Optional brackets and flexible mountings when re-engining 4.236 (M90) engines.

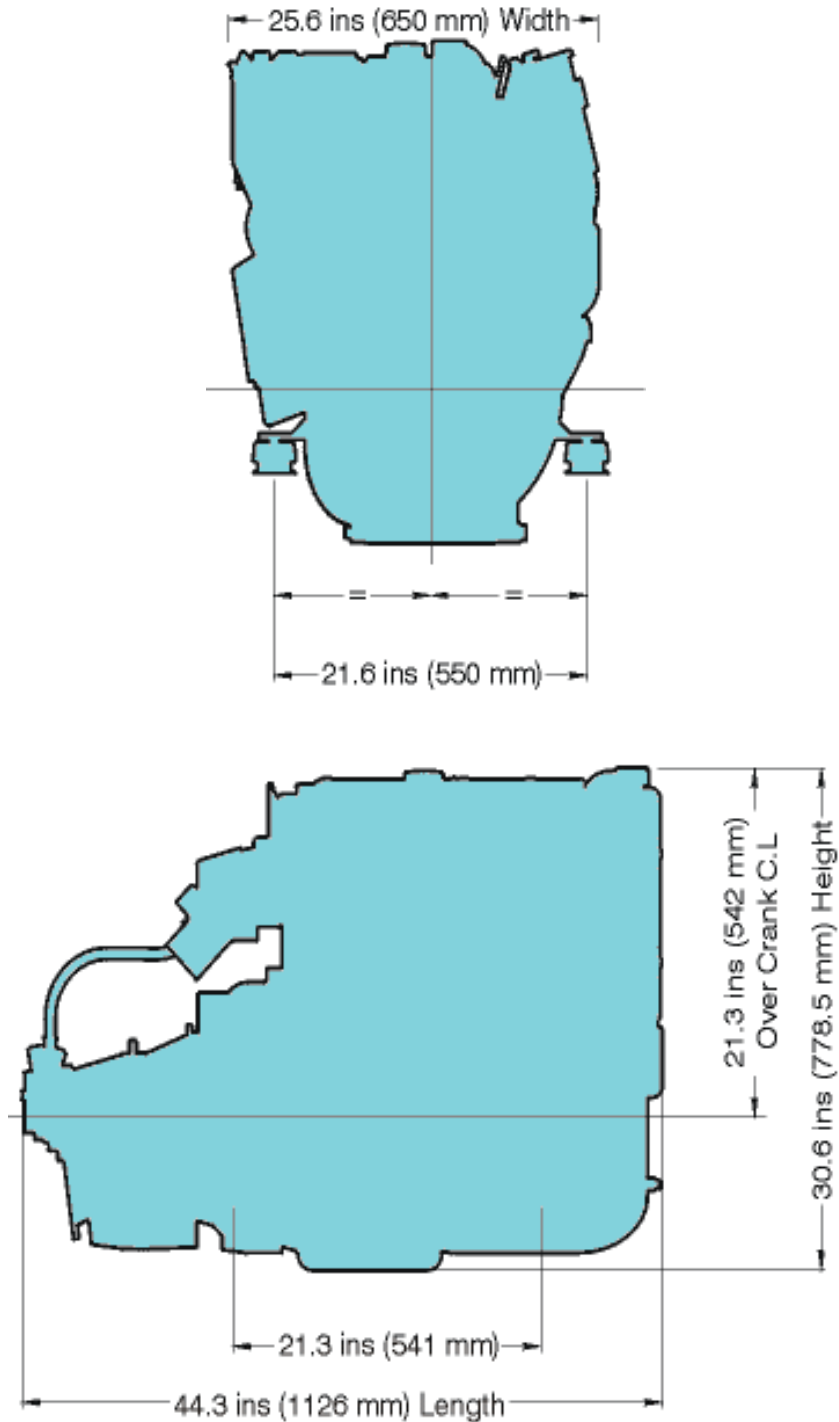
PTO: Crankshaft PTO extension shaft with drive pulley.

Miscellaneous:

- Sump drain pump (supplied loose).
- Belt guard.
- Solid or flexible output couplings.
- Engine mounted electro-magnetic bilge pumps.
- Fuel pre-filter with water alarm.
- Flexible fuel feed and return pipes.
- Calorifier connections.
- Tool Kit.
- On-board Parts Kit.



THE PERKINS SABRE M92 - Dimensions



All dimensions with ZF Hurth HSW 450A Transmission fitted.

Call us at 1-800-927-9295 for more information.