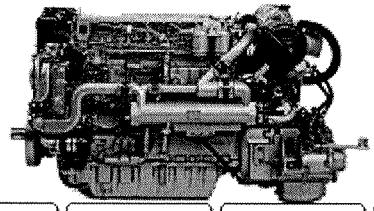
Perkins Sabre Web Site
Marine Engine M225Ti
Engine Specifications

Five (5) pages including this cover

Perkins SABRE MARINE POWER

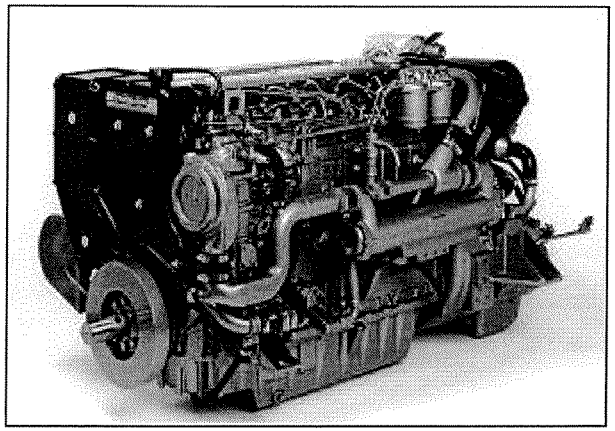


M225Ti

165.5 kW (225 hp)

Leisure

- Most compact package in its class. Offers boat design flexibility - easier new boat and repower installation
- Premium engine features for reliability and durability. Minimising down time and service costs
- Environmentally friendly - meeting all current and proposed emissions legislation. Helping to keep the world environmentally safe
- Unrivalled worldwide parts and service network. Service available wherever you are
- Lowest cost of ownership in its class. It pays to compare running costs



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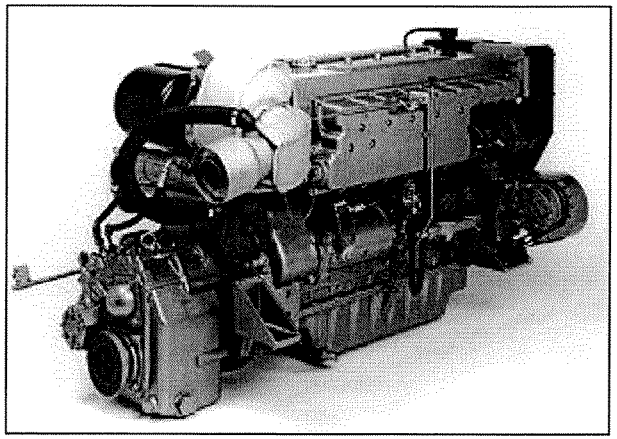

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RELIABILITY

- High capacity heat exchange equipment with cupro-nickel tubestacks ensures low component operating temperatures for exceptionally reliable and durable operation.
- Developed to meet the arduous demands of the marine environment including worldwide cooling and starting requirements.
- Gear driven engine and raw water pumps with high quality silicone hoses for the ultimate in reliable cooling and leak-free operation.
- An integral plate type oil cooler offers compactness, saving installation space and features a by-pass valve for start up safety.
- The Perkins turbocharger wastegate system reduces the maximum cylinder pressure and hence improves reliability and durability.

INNOVATIVE PERFORMANCE SPECIFICATION

- New 'Quadram' combustion system, the latest Bosch rotary fuel pump, wastegated turbocharger system and air intake silencer offer significant improvements in fuel economy, emissions and

COST OF OWNERSHIP

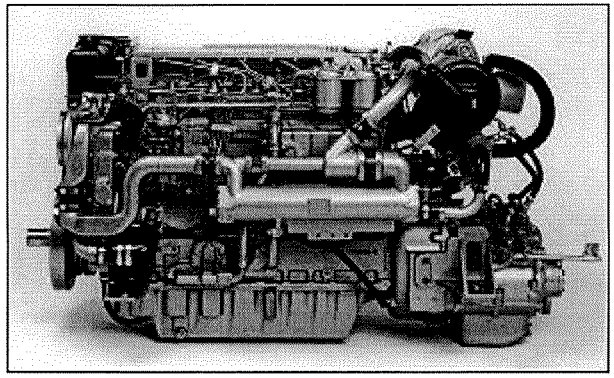
- Competitive engine and parts pricing, extended service intervals and exceptionally low fuel consumption make the M225Ti the best in its class with significant owner savings over alternative

noise. Meets all EEC stage one proposed legislation limits.

- The turbocharger wastegate system optimises low speed engine performance providing smoother and faster boat acceleration at planing speed.
- Lightweight materials and the use of computer aided design on cylinder block and head provides an excellent power to weight ratio for enhanced boat performance.
- Controlled expansion oil cooled pistons with low friction three ring pack and silicone carbide honed cylinder liners give exceptionally low oil consumption, easier cold starting and extended oil change periods.

EASE OF INSTALLATION

- Easy access to all routine servicing features in either single or twin installations.
- Oil and coolant systems developed to permit a wide range of operating angles both for conventional shaft and vee-drive installations.
- Support is available from Perkins application engineers and the Perkins distributor network to advise on all aspects of power, performance and installation engines.



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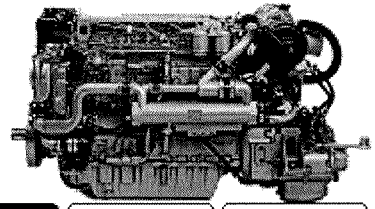
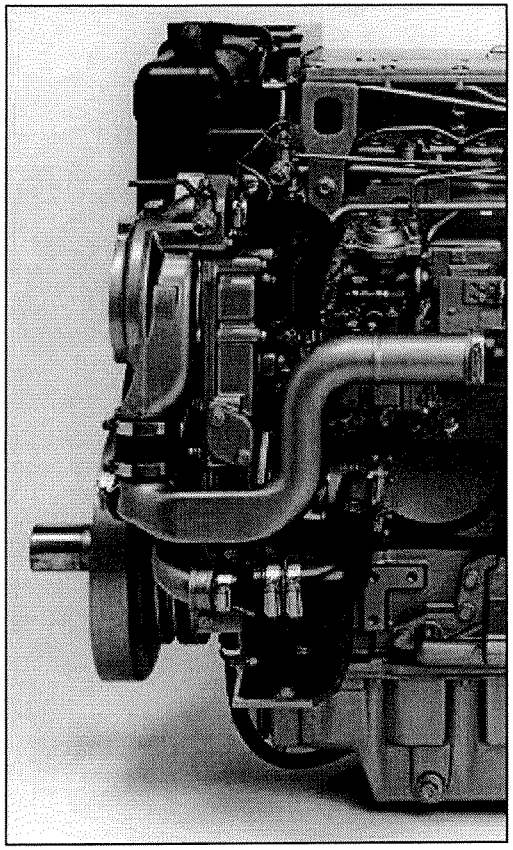
SERVICE

- Perkins unrivalled service network with 4000 **distributors** in 160 countries
- A genuine top quality warranty package.
- Extended service intervals including a 400 hour or once a season oil change period.

Perkins SABRE MARINE POWER

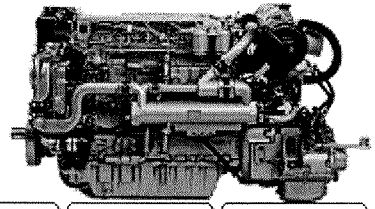


M225Ti



Engine Configuration	6 cylinder, in-line vertical, 4 stroke, water cooled
Aspiration	Wastegated turbocharger, charge air cooled
Bore / Stroke	100mm (3.937 in) / 127mm (5.00 in)
Displacement	6.00 litres (365.0 cu. in.)
Compression ratio	16.0:1
Combustion system	Quadram Direct Injection
Engine Rotation	Clockwise viewed from front
Fuel Injection Equipment	Bosch rotary with boost control and electric stop solenoid
Governing	Mechanical
Engine Operating Angles- Continuous	20° engine front up 8° engine front down 30° sideways
Power Take Off	Available from front end drive (for drive limitations refer to Sabre Engines Ltd.)
Weight (Wet)	• 609kg (1342lb) engine only • 683kg (1505lb) with ZF Hurth HSW 630A • 709kg (1562lb) with Twin Disc MG5050SC

Perkins SABRE MARINE POWER



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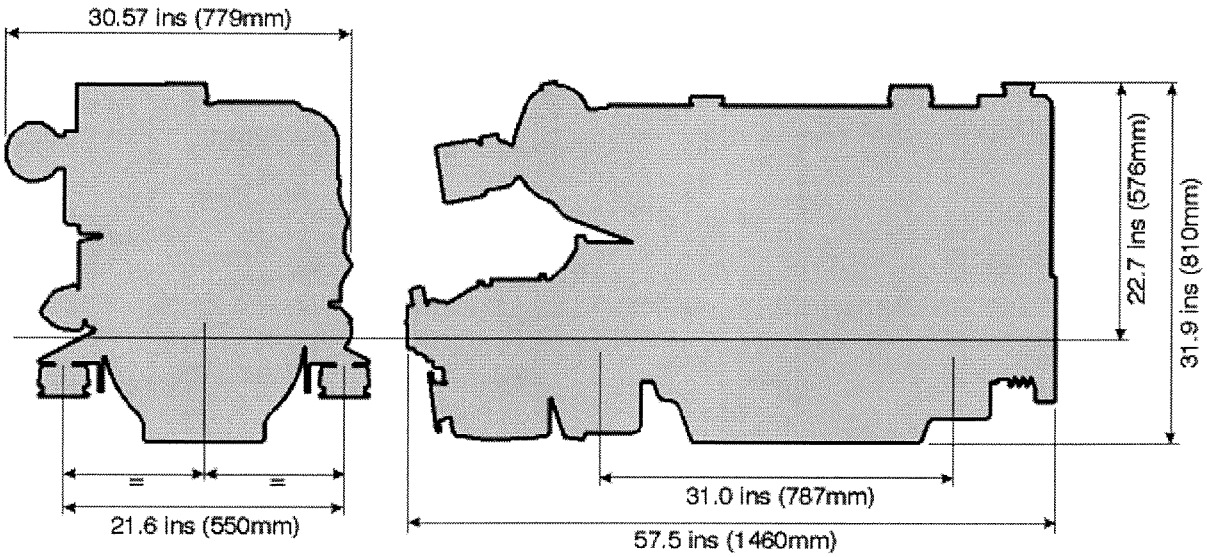

with ZF Hurth HSW 630 A gearbox fitted