MAIN DATA

Continuous output 19 hp-1500 r/m

25 hp-2000 r/m

30 hp-2500 r/m

Cylinder Displacement 1,76 litres (108 cu.in.)

Number of cylinders 4

Bore 75 mm (2.9")

Stroke 100 mm (3.9")

Valves Overhead

Compression ratio 19:1

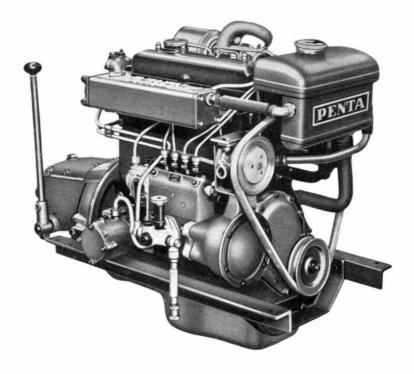
Net weight with

reverse gear approx. 230 kgs (510 lbs)

Total length 1010 mm (393/4")

height 762 mm (30")

width 527 mm (203/4")



MD 4 Penta Marine Diesel Engine

The engine is of the pre-combustion chamber type, 4-stroke and has replaceable cylinder lines.

Cooling of the engine by an internal fresh water system. The fresh water is cooled by sea water in a heat exchanger. The sea water pump is of bronze with impeller of neoprene, a material which is not susceptible to sand and slime.

Bosch fuel injection pump and 12 Volt electrical equipment with 1,8 hp starter and 130 watt generator.

Glow plugs make for easy starting even in cold weather.

Fuel consumption about 210 g per hp/hour.

Pressure lubrication. Screen-type oil filter. Oil capacity approx. 6 litres.

The engine is as standard equipped with instrument panel with tachometer, thermometer, oil pressure gauge, battery charging control lamp, panel lighting and switch box with key.

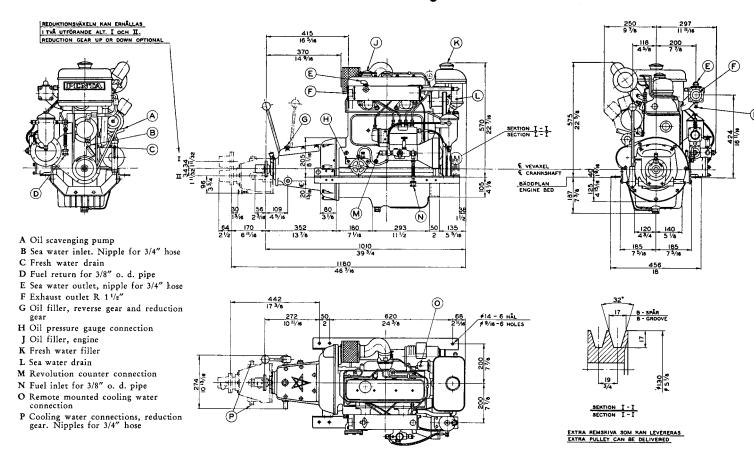
Reverse gear with totally enclosed, planetary type, multiple disc clutch, easily adjustable. A reduction gear ratio 2:1 of the angle-cut internal gear type is available. This gear is fitted directly to the reverse gear and can be arranged so that the propeller shaft is either 34 mm (1.35") above or below the reverse gear shaft which can be an advantage when fitting the engine into the boat.

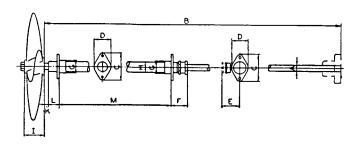
This marine Diesel unit, based on a Daimler-Benz engine, is a completion of our well-known line of Penta marine Diesel engines ranging from 5—205 hp.

Propeller equipment — see back page. Left hand thread propeller both with and without reduction gear.



Dimensions drawing





Propeller equipment for lefthand thread propeller

MATT I MILLIMETER OCH TUM.
DIMENSIONS IN MILLIMETRES AND INCHES,

Reduction		A	В	С	D	Е	F	G	н	I	К	L	М
1:1	mm inch	25 63/61	2000 79	90 3 ¹ / ₂	58 2 ¹ / ₄	70 2³/ ₄	75 3	42 1 ⁵ / ₈	34 1³/ ₈	64 2 ¹ / ₂	approx. 15 5/8	37 1 ¹ / ₂	1000 39 ¹ / ₂
2:1	mm inch	30 1³/ ₁₆	2000 79	120 4³/ ₄	62 2 ¹ / ₂	76 3	80 3¹/ ₈	50 2	40 1 ⁵ / ₈	78 3¹/ ₈	approx.15 5/8	50 2	1500 59 ¹ / ₄

Without engagement

AKTIEBOLAGET



Box 392, Göteborg 1 Sweden

Cables: Penta

— a Volvo company