

Lancing Marine - Lancing Marine prop program

£ 35

📍 Sussex, South East

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UNIT SYSTEM IS U.K.
SAIL/FISHING BOAT TYPE=5*
TOTAL LADEN WEIGHT Tons * 6 *
WATERLINE LENGTH ft. * 24 *

NUMBER OF ENGINES * 1 *
HORSEPOWER * 40 *
ENGINE R.P.M. * 3000 *
GEAR REDN RATIO * 2 :1*
TUNNEL LENGTH ft. * 0 *
TUNNEL WIDTH ft. * 0 *

REQUIRED PROP DIA ins * 0.0 *
% B.A.R. REQUIRED * 50 *
REQD SHAFT DIA ins * 0 *

CHOOSE ACTION, PRESS ( ) LETTER
(H)elp (C)opy to printer
(J)et program
(T)ype of hull or calculation
(A)mend data, change(U)nit
(R)educed power (E)conomy setting
(Q)uit program or (ESC)ape

DO WHAT?
SHORTCUTS:- (P)ower = re(U)s = (G)ear = prop(D)ia = (B).a.r. = (S)haft = (N)

INPUT TORQUE 1.3 HP/100
OUTPUT TORQUE 2.7 HP/100
POWER/WEIGHT RATIO 6.7 HP/TON

CALCULATED SPEED kts. 7.3
W/L SPEED kts. 6.4
POWER FOR W/L SPEED 22 H.P.
BRUNTON AUTOPROP DIA 18
PROP DIAMETER X PITCH 17.8 X 11
STYLE 3-BL TURBINE 50 R/B
MATERIAL MAG-BRONZE
EFFECTIVE B.A. RATIO 50 %
BLADE LOADING 91 %
EFFICIENCY 46 %
SLIP 46 %
SHAFT DIAMETER 1.11 ins.
SHAFT MATERIAL 316 STAINLESS
BEARING SPACING, MIN/MAX 1.94 / 4.85 f
PROP THRUST/BOLLARD PULL 378 / 439 kilo

1.19 Lit/WH ON DIESEL = £ 1.07/WH
LOCK PROP IF SAILING
  
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Lancing Marine
www.lancingmarine.com

01273411765

- Inboard Diesel Engines

Lancing Marine Prop program

LANCING MARINE'S PROPELLER COMPUTER PROGRAM

The program that Mike Bellamy wrote many years ago do perform many useful tasks associated with engines, gearboxes, shafting and propellers has now been updated to run on 64-bit machines on Windows 7 and Windows 8.

This program produces boat speed fuel burn and thrust/bollard pull figures, calculates input and output torques and power to weight ratio, propeller thrust and bollard pull, and estimated fuel consumption, and makes recommendations for diameter and pitch of propeller, number of blades, blade shape, blade area ratio, shaft material, diameter and bearing spacing. In the case of high speed catamarans it even works out the aerodynamic lift under the tunnel and adjusts the speed calculation accordingly.

The program version for machines running Windows XP and older systems is priced at £20.00, and the one for Windows Vista and Windows 7 is £35.00.

The programs can be sent as Email attachments to many addresses, but in the event that the local ISP blocks it we can put it onto a memory stick to go by snail mail.

Both versions are generally available for prompt dispatch against debit/credit card.

A scan of a typical output file is shown.

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