

BoatName: _____ (Design Units: Imperial)

Description: _____

Counter: 7 DateChanged: n/a

Status: New data Page 1 (Printed Tuesday, May 20,2014 10:25 am)



Hull Design

1 Tunnel Height _____ inches
3 Wing Chord _____ feet
5 Pad Width _____ inches
7 Deck Width _____ inches
9 Sponson Type _____ Selection

2 Tunnel Width _____ inches
4 Wing Thickness _____ inches
6 Pad Deadrise _____ degrees
8 Lwr Unit Height _____ inches
10 SponsonLength _____ feet

Steps

11 Step Select _____ Selection
13 Length Step2 _____ feet

12 Length Step1 _____ feet
14 Step Height _____ inches

CentrePod

15 CtrPod Select _____ Option
17 Pod Width _____ inches
19 Pod Height _____ inches

16 CtrPod Length _____ feet
18 Pod Deadrise _____ degrees
20 PodWangle _____ degrees

Spray Rails

21 Spray Height _____ inches
23 Spray Factor _____ factor

22 Spray Width _____ inches

AeroFoil

24 Angle Inc _____ degrees

25 AeroFoil Type _____ Selection

Lengths

26 Boat Length _____ feet
28 Motor Length _____ feet
30 Misc Length _____ feet

27 Driver Length _____ feet
29 Fuel Length _____ feet
31 Motor Height _____ inches

Weights

32 Boat Weight _____ Lbs
34 Fuel Weight _____ Lbs
36 Motor Weight _____ Lbs

33 Driver Weight _____ Lbs
35 Misc Weight _____ Lbs
37 Boat CG _____ (.05 to 1.0)

Cowlings/Cockpit

38 Cockpit/Fairing Type _____ Select
40 FrontCowl/Screen Ht _____ inches
42 Open Fwd Deck _____ feet

39 RearCowl/Fairing Ht _____ inches
41 RearCowl/Fairing Width _____ inches

Design Analysis

43 Optimize _____ Selection
45 Starting Velocity _____ mph
47 Start Angle _____ degrees

44 Accuracy _____ (.05%-10%)
46 Velocity Increment _____ mph
48 Accel'n Model _____ Select

Conditions

49 Max Power _____ HP
51 Altitude _____ feet
53 RPM Max _____ RPM

50 Power Effy Factor _____ factor (use Wizard)
52 Water Type _____ Selection

Drive Unit(s)

54 Number of Drive _____ Selection
56 Skeg Length _____ inches
58 Torpedo Diameter _____ inches
60 Drive Type _____ Selection

55 Skeg Width _____ inches
57 Skeg Thickness _____ inches
59 Torpedo Length _____ inches
61 Gear Ratio _____ Ratio:1

Trim Tabs

62 Trim Tabs _____ Selection
64 TT Length _____ inches

63 TT Deflection _____ degrees
65 TT Width _____ inches

Power Efficiency

66 Transmission Loss (%) _____ % Loss
68 Hull Eff'y Loss (%) _____ % Loss

67 Propeller Slip Loss (%) _____ % Loss
69 Power Effy Factor _____ factor (use Wizard)

Lift Strakes

70 Lift Strakes _____ Selection

71 Strakes Width _____ inches

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72 Strake Location _____ inches

Miscellaneous Inputs

73 LwrUnitLength _____ feet
75 Motor Description _____ UserSelect

74 Min Wet Length _____ inches