

TUNNEL BOAT DESIGN PROGRAM©

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BoatName: _____ (Design Units: Imperial)

Description: _____

Counter: 7

DateChanged: n/a

Status: New data

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Hull Design

1 Tunnel Height	_____	inches	2 Tunnel Width	_____	inches
3 Wing Chord	_____	feet	4 Wing Thickness	_____	inches
5 Pad Width	_____	inches	6 Pad Deadrise	_____	degrees
7 Deck Width	_____	inches	8 Lwr Unit Height	_____	inches
9 Sponson Type	_____	Selection	10 SponsonLength	_____	feet

Steps

11 Step Select	_____	Selection	12 Length Step1	_____	feet
13 Length Step2	_____	feet	14 Step Height	_____	inches

CentrePod

15 CtrPod Select	_____	Option	16 CtrPod Length	_____	feet
17 Pod Width	_____	inches	18 Pod Deadrise	_____	degrees
19 Pod Height	_____	inches	20 PodWangle	_____	degrees

Spray Rails

21 Spray Height	_____	inches	22 Spray Width	_____	inches
23 Spray Factor	_____	factor			

AeroFoil

24 Angle Inc	_____	degrees	25 AeroFoil Type	_____	Selection
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Lengths

26 Boat Length	_____	feet	27 Driver Length	_____	feet
28 Motor Length	_____	feet	29 Fuel Length	_____	feet
30 Misc Length	_____	feet	31 Motor Height	_____	inches

Weights

32 Boat Weight	_____	Lbs	33 Driver Weight	_____	Lbs
34 Fuel Weight	_____	Lbs	35 Misc Weight	_____	Lbs
36 Motor Weight	_____	Lbs			

Cowlings/Cockpit

37 Cowl/Cockpit Type	_____	Select	38 Rear Cowling Height	_____	inches
39 FrontCowl Height	_____	inches	40 Rear Cowling Width	_____	inches
41 Open Deck	_____	feet			

Design Analysis

42 Optimize	_____	Selection	43 Accuracy	_____	(.05%-10%)
44 Starting Velocity	_____	mph	45 Velocity Increment	_____	mph
46 Start Angle	_____	degrees	47 Accel'n Model	_____	Select

Conditions

48 Max Power	_____	HP	49 Power Effy Factor	_____	factor
50 Altitude	_____	feet	51 Water Type	_____	Selection
52 RPM Max	_____	RPM			

Drive Unit(s)

53 Number of Drive	_____	Selection	54 Skeg Width	_____	inches
55 Skeg Length	_____	inches	56 Skeg Thickness	_____	inches
57 Torpedo Diameter	_____	inches	58 Torpedo Length	_____	inches
59 Drive Type	_____	Selection	60 Gear Ratio	_____	Ratio:1