

BoatName: _____ (Hull Type: Tunnel Hull) (Design Units: Imperial)

Description: _____

Record: _____ DateChanged: _____

Status: New data Page 1 (Printed Wednesday, August 29, 2018 01:35 pm)



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 | _____ | | 10 SponsonWetLength | _____ | feet |
| 11 Lgth to Deadrise Fore | _____ | feet | 12 Pad Deadrise Fore | _____ | degrees |

Steps

| | | | | | |
|-----------------|-------|--------|-------------------|-------|---------|
| 13 Step Select | _____ | | 14 Length Step1 | _____ | feet |
| 15 Length Step2 | _____ | feet | 16 Step Height | _____ | inches |
| 17 Step2 Height | _____ | inches | 18 ForeStep Angle | _____ | degrees |

Center Pod

| | | | | | |
|----------------------|-------|---------|------------------|-------|--------|
| 19 CtrPod Select | _____ | | 20 CtrPod Length | _____ | feet |
| 21 Notched CenterPod | _____ | inches | 22 Pod Width | _____ | inches |
| 23 Pod Deadrise | _____ | degrees | 24 Pod Height | _____ | inches |
| 25 PodWangle | _____ | degrees | | | |

Spray Rails

| | | | | | |
|----------------------------|-------|--|-----------------|-------|--------|
| 26 Above-Chine Spray Rails | _____ | | 27 Spray Width | _____ | inches |
| 28 Below-Chine Spray Rails | _____ | | 29 Spray Factor | _____ | factor |

AeroFoil

| | | | | | |
|---------------|-------|---------|------------------|-------|--|
| 30 Angle Inc | _____ | degrees | 31 AeroFoil Type | _____ | |
| 32 AeroOffset | _____ | inches | | | |

Lengths

| | | | | | |
|-----------------|-------|--------|---------------------|-------|------|
| 33 Boat Length | _____ | feet | 34 Driver/Pass Lgth | _____ | feet |
| 35 Motor Length | _____ | feet | 36 LwrUnitLength | _____ | feet |
| 37 Fuel Length | _____ | feet | 38 Misc Length | _____ | feet |
| 39 Motor Height | _____ | inches | | | |

Weights

| | | | | | |
|-----------------|-------|--------------|--------------------|-------|-----|
| 40 Boat Weight | _____ | Lbs | 41 Driver/Pass Wt | _____ | Lbs |
| 42 Fuel Weight | _____ | Lbs | 43 Misc Weight | _____ | Lbs |
| 44 Motor Weight | _____ | Lbs | 45 Outdrive Weight | _____ | Lbs |
| 46 Boat CG | _____ | (.05 to 1.0) | | | |

Cowlings/Cockpit

| | | | | | |
|-------------------------|-------|--------|------------------------|-------|--------|
| 47 Cockpit/Fairing Type | _____ | | 48 RearCowl/Fairing Ht | _____ | inches |
| 49 FrontCowl/Screen Ht | _____ | inches | 50 Cockpit Width | _____ | inches |
| 51 Cockpit Length | _____ | feet | 52 RearFairing Width | _____ | inches |
| 53 Open/Clear Fwd Deck | _____ | feet | 54 # of Passengers | _____ | Qty |

Design Analysis

| | | | | | |
|----------------------|-------|---------|-----------------------|-------|------------|
| 55 Optimize | _____ | | 56 Accuracy | _____ | (.05%-10%) |
| 57 Starting Velocity | _____ | mph | 58 Velocity Increment | _____ | mph |
| 59 Start Angle | _____ | degrees | 60 Accel'n Model | _____ | |
| 61 Min Wet Length | _____ | inches | | | |

Conditions

| | | | | | |
|--------------------|-------|------|-----------------|-------|--------|
| 62 Altitude | _____ | feet | 63 Water Type | _____ | |
| 64 Air Temperature | _____ | °F | 65 Air Humidity | _____ | % (RH) |
| 66 WaterTemp | _____ | °F | | | |

Motor Description

| | | | | | |
|----------------------|-------|--------|----------------------|-------|---------|
| 67 Motor Description | _____ | | 68 Max Power | _____ | HP |
| 69 RPM Max | _____ | RPM | 70 Height Motor Cowl | _____ | inches |
| 71 Width Motor Cowl | _____ | inches | 72 LowerUnitTrim | _____ | degrees |

Drive Unit(s)

| | | | | | |
|--------------------------------|-------|--------|----------------------------|-------|---------|
| 73 Number of Drive | _____ | | 74 Skeg Width | _____ | inches |
| 75 Skeg Length | _____ | inches | 76 Skeg Thickness | _____ | inches |
| 77 Torpedo Diameter | _____ | inches | 78 Torpedo Length | _____ | inches |
| 79 Drive Type | _____ | | 80 Gear Ratio | _____ | Ratio:1 |
| <u>Trim Tabs</u> | | | | | |
| 81 Trim Tabs | _____ | | 82 TT Deflection | _____ | degrees |
| 83 TT Length | _____ | inches | 84 TT Width | _____ | inches |
| <u>Power Efficiency</u> | | | | | |
| 85 Transmission Loss (%) | _____ | % Loss | 86 Propeller Slip Loss (%) | _____ | % Loss |
| 87 Hull Eff'y Loss (%) | _____ | % Loss | 88 Power Effy Factor | _____ | factor |
| <u>Lift Strakes</u> | | | | | |
| 89 Lift Strakes | _____ | | 90 Strakes Width | _____ | inches |
| 91 Strake Location | _____ | inches | | | |
