The SPORTSMAN
10'L x 36”W x 15”H
475 pound Capacity

The Forward module fits in the Center Module, then the Rear Module flips on top of Forward Module for transport.

Note: Reduce the hull height a couple of inches, for those that have transport opening size restrictions.

The Center and Rear Modules are the same size and shape, except for the motor opening.

Transport Size
42”L x 36”W x 30”H

Hinges (2)

Center Bulkhead

Seating Type Optional

Find Hull Center of Gravity
https://mathtab.com/app_id=4072

PortableBoatPlans.com
The SPORTSMAN

PANEL DIMENSIONS

FRONT SIDE PANEL
- 6"
- 12-1/2"
- 39"

SIDE PANEL
- 14"
- 15"
- 42"

SIDE PANEL
- 14"
- 42"

FORWARD BULKHEAD (2)
- 7"
- 14"
- 29"

CENTER BULKHEAD (2)
- 3"
- 6"
- 14"
- 35"

REAR BULKHEAD
- 9"
- 14"

TRANSOM SUPPORT (2)
- 9"
- 14"
- 13"

FRONT BULKHEAD
- 7"
- 6"

FORWARD DECK
- 15"
- 30"

TRANSOM
- 15"

REAR BULKHEAD (2)
- Cut To Fit
- 11"
- 14"

AFT DECK
- 9" x 9"

Opening shape to suite builder.
The SPORTSMAN

There will be an additional 1 sheet of 1/4” ply for the base panels, and a 1/2 sheet of 1/4” ply for the decks.

The hull can be lengthened by extending the side panels to a full 48”. This makes the boat 11-1/2 feet long, and increases the capacity to over 600 pounds.

1/4” PLYWOOD ACX Grade or better 4’ x 8’ sheet

1/2” PLYWOOD ACX Grade or better 4’ x 8’ sheet

Porta**ble** Boat Plans.com
**The HYBRID CRUISER**

OAL = 9 feet  
OAW = 32”  
OAH = 9”

Materials:  
2 sheets 4mm Coroplast  
1 sheet 5mm Plywood  
6 – 1x2x8’ Framing Lumber  
1 Roll No-Residue Tough-Tape  
Assorted Screws & Bolts  
All for about $100

The beauty of the design is in its relative simplicity. Lightweight yet robust materials. Foldable to fit in any vehicle. And,  
about one hundred dollars to fabricate. Want more? It's a Motor Power Cruiser, or a Paddle Kayak! Convinced?

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The low profile hull is a function of increased hull width, for lateral stability. It also adds length to the hull, for greater load capacity.

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The Kayak Module replaces the Motor Module for easy paddling.

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FRONT VIEW

Motor Module

Kayak Module

27” Motor Module

Folded for Transport

Paddle or Motor Power

260 Pound Capacity

3” draft

1/2”x3/4” side rails

Folding Tarp

Deck Cover

Open Bulkhead

Floorboards

Rope or Push Rod Steering

6’ adult

18 inches
The HYBRID CRUISER

4 MM thick 4'x8' sheet Coroplast, any color.

Solid lines are cut lines.

Dotted lines are fold lines.

Both Modules on the right mount to the transom of the Hull Module. Either the Motor Module, or the Kayak Module, depending on your daily need.

NOTE: All folds are UP folds, except in the corners. The angle folds are DOWN folds. See photos.
The HYBRID CRUISER

- Floorboards
- 5 mm plywood
- Bulkhead Supports
- 2nd Occupant Module – 36 inches

OPTIONAL Module
FAMILY BARGE

4 feet

FAMILY BARGE

4' x 8'

FAMILY BARGE

4' x 4'

FAMILY BARGE

BOW

MODULE

REAR

MODULE

TRANSOM

Custom sketched for Mark Tarquinio

Designed for Trailer Transport

Total assembled length = 16 feet

As designed, each module is self supporting. Lowering the center of the bulkhead 12 inches, as shown below, makes entry to each much easier. Remote steering is required. All 3 modules can be occupied. Which brings to mind, the seating. I suggest the use of fold-up beach chairs, for comfort and storage. Leave the modules as wide open as possible, for stacking and safety purposes.

The use of hinges to join the modules is suggested, IF the combined weight is not too much to handle. Otherwise, load the modules individually for transport and storage. Either way, they need to be bolted together for water use.

Preliminary load calculations = 1,800 pound capacity.

Construction: Sides 1/4 inch plywood, Bottom 1/2" plywood, Bulkheads 1/2 inch plywood.

Total 2 sheets of 4x8 1/4 inch plywood, and 4 sheets of 4x8 1/2 inch plywood, plus many 8 foot lengths of 1x2 framing lumber.

PortableBoatPlans.com
10’ ANGULAR UTILITY BOAT

Specifications:
OAL = 10 feet
OAW = 3 feet
OAH = 16 inches
3 Easy to Assemble Modules
Hull Weight = 75 pounds
Max Capacity = 475 pounds
Hull Speed = 5.5 mph
Construction cost = $150

Nested for Transport:
OAL = 4 feet
OAW = 3 feet
OAH = 2 feet

The buoyancy cells are designed to keep an empty boat afloat.

The shallow 'V' hull shape is intended to provide additional stability and directional control of the boat.
Why even consider building this boat? Well, it can fit in any car for transport, it is lightweight, unsinkable, low cost and paddles easily, but most of all, it’s fun!

1 Sheet of 4’x8’ 5 MM Plywood
1 - 2’x4’ sheet of 1/2” Plywood

**Simple Construction**
**Quick Assembly**
**Robust Design**

- **OAL** = 8 feet
- **OAW** = 31 inches
- **OAH** = 9 inches

Hull weight = 36 pounds
Hull speed = 5 mph
Max load = 210 pounds

**Nested for Transport**
- **OAL** = 3.25 feet
- **OAW** = 31 inches
- **OAH** = 11 inches

With the built-in foam buoyancy, the hull will not sink, even if flooded.

Removable & Foldable Clear Spray Shield

Fill in outer areas, where the modules nest, with foam sheets to the gunwale, for safety buoyancy. Fill the bow area of the front module also. A thin plywood decking can be applied over the foam for appearance purposes.

*Delivers maximum use from minimum material.*

Can be paddled, rowed, or small motor powered.

Lean back to adjust throttle.

Optional Tarp Cover

2.5 hp Max

**Low Profile Design**

12” sides optional

**a ken simpson original**

Maximum waterline length for greater buoyancy and speed.

Suggested use in relatively calm waters.
The MINIMALIST

The hull could be constructed of only 2 modules, for those that have greater transport space.
Rear Module = 51” long
Front Module = 45” long

PANEL DIMENSIONS

- Forward Side Panel (2): 27” x 8”
- Center Side Panel (2): 39” x 8”
- Rear Side Panel (2): 30” x 8”

Side Panels and Base Panels are cut from 5 MM Plywood.

Bulkheads and Transom are cut from 1/2” Plywood

- Optional Bow Bulkhead: 8” x 14”
- Center Module Center Support: 8” x 30”
- Center Base: 30” x 8”
- Rear Bulkhead (2): 8” x 27”
- Rear Bulkhead (2): 8” x 21”
- Transom: 8” x 21”
- Forward Bulkhead (2): 8” x 24”
- Rear Bulkhead (2): 8” x 27”
- Rear Base: 30” x 8”
- Center Base: 30” x 8”
- Forward Base: 30” x 8”

The base panels are to be traced and cut from their respective sub-assemblies. See plans for details.

Bulkheads and Transom are cut from 1/2” Plywood

A temporary construction aid. Make from scrap wood.

a ken simpson original design
The MINIMALIST

PLYWOOD LAYOUT

1/2" Plywood
2' x 4' sheet

The Bulkheads will be slightly smaller than the dimensions specified, due to the width of the saw blade. But, that is as designed, 3 equal height panels, as shown above.

Make the height of the Side Panels to suit.

The base panels are to be traced and cut from their respective sub-assemblies. See plans for details.

The optional 12" high side panels will require another 4'x4' sheet of 5 MM plywood, and a 3'x4' sheet of 1/2"plywood, instead of the 2'x4' sheet.

Make these 2 cuts first. Can be done at the lumber yard for easy transport home.

220 Pounds
Max Capacity
**The WANDERER**

4'x8' sheet of 5 MM plywood

### Hull Dimensions
- **OAL** = 8 feet
- **OAW** = 32 inches
- **OAH** = 12 inches
- **Weight** = 35 pounds

**Nested**
- **OAL** = 4 feet
- **OAW** = 32 inches
- **OAH** = 16 inches

**Hinged & Stacked**
- **OAL** = 4'
- **OAW** = 32''
- **OAH** = 25''

A one sheet little wonder. Fits in the back seat of almost all cars. Two modules for quick assembly at the water. Capacity of 225 pounds. Row or paddle, as well as outboard motor power. Comfortable, and tracks well. Sufficient freeboard for most ponds and lakes. Great for fishing, or just cruising the open waters. Hull speed 4.8 mph. Weighs only 35 pounds.

- **Optional** Deck, Rear Base Panel,-side Panel, Side Panel, Rear Base Panel, Side Panel, Bow Post
- **2x2** Bow Post
- **2 skids** and internal cross supports for strength and stiffness.
- **Add gunwale rub rails** for protection.
- **Make a seat out of the left over 1/2" plywood.**
- **Cut this base pane to fit, after side panel assembly to bulkhead and bonded to the bow post.**
- **Seating type is builders option.**
- **240 Pounds Max Capacity**
- **The rounded bottom assists in directional control, and increases buoyancy.**
The primary advantage of the + version is a greater payload, about 260 pounds.

It does require a larger vehicle for transport, and will not fit in most cars.

So, a Truck or SUV is required.

The only additional wood required for the + version is a 2'x4' sheet of 5 MM plywood. All other materials and instructions are the same as the standard WANDERER.

If you want yet a larger version, such as a 4' wide x 10' long version, just scale up the plans to suite your particular payload needs. A 4'x10' version will have a capacity over 440 pounds.

(Rear module 5.5' long, front module 4.5' long)

Make it your own!
Make assembly at the water easier and less time consuming.

Hinged and stacked forward module to rear module is one method. Nested modules take time to set up! Seat, paddles, steering arm and PFD already in place in the rear module.
The intent of this design is simple: Get out on the water in as basic a hull as possible. It's essentially a sit down paddle board, that can be motorized. Although intended for calm waters, the boat will not sink, as it has fully sealed buoyancy compartments. Fill them with foam if you wish. The other primary feature is that it folds in half for transport and storage, only 12 inches thick (high), 33 inches wide and 48 inches long. This would allow it to fit in the back seat of many Cars, and all Trucks and SUV's. Empty weight is only 30 pounds!
MORE NEW DESIGNS TO COME !