

# PUSH BOAT (DIESEL)

75  
FOOT

COMMERCIAL



## OVERVIEW

Swiftships 75 ft. diesel powered Push Boat is a boat designed for pushing barges and floating platforms across rivers and lakes. It is characterized by a square bow, a shallow draft, and have knees, which are large plates mounted to the bow for pushing barges of various heights. This vessel will operate mostly in rivers and inland waterways with multiple barges lashed together, or a boat and any barges lashed to it that will be tied as a "tow" and can have dozens of barges. It also includes living quarters to accommodate long distance charters.

## MACHINERY

- Main Engines: Two (2) Cummins KTA 38-M (1000 HP @ 1800 RPM) remote mounted to twin disc MGX5321 gears (6.01:1 ratio).
- Generators: Two (2) Cummins 60 KW

## EQUIPMENT

- Fresh water pressure set: (2) Jacuzzi
- Air compressors: (2) Three horsepower Quincey
- Sewage system: (6) man capacity Seahorse
- Bilge pump: (2) Barnes 3 HP
- Fire pump: (1) Griswold 7½ HP
- Fresh water pump: (2) Barnes 3 HP
- Hot water heater: (2) 40 gallon
- Hyd. Steering: Electro-hydraulic (full follow up and non follow up controls shall be mounted on pilothouse dash)
- Engine controls: Electric (Twin disc EC-300)
- Engine room ventilation: (2) 3 HP Tubular
- Floor plates: Aluminum diamond pattern
- Lube oil pump: (1) ¾ HP Viking gear
- Dirty oil pump: (1) ¾ HP Viking gear
- Gear oil pump: (1) ¾ HP Viking gear

## UNDERWATER GEAR

- Propeller shafts: (2) 7" cold roll shafts with S/S at strut bearing area. Packing journal shall be S/S and fitted with Wartsilla shaft seals.
- Rudder stock: (2) 6" cold roll with S/S journals
- Flanking rudders: (4) 6" cold roll with S/S journals
- Rudder blade: ½" plate
- Steering gear guards: 6"x 0.50" wall structural tubing
- Bearings: All bearings and bushings shall be Cutlass type
- Propellers: (2) stainless steel 4-blade Kahlenberge (72" x 59 pitch)
- Anodes: (50) 23 ½#
- General arrangement and color scheme
- Certification to carry aviation fuel

## HULL SPECIFICATIONS

LOA	75 feet 4 inches (22.96 meters)
Width	30 feet (9.14 meters)
Hull Depth	10 feet (3.05 meters)
Draft	8 feet 6 inches (2.59 meters)
Eye Level	34 feet (10.36 meters) approx.

## CAPACITIES

Fuel Oil	23,148 gallons (87,624.7 liters)
Lube Oil	454 gallons (1718.58 liters) approx.
Dirty Oil	992 gallons (3755.13 liters) approx.
Hydraulic Oil	227 gallons (859.288 liters) approx.
Oily Bilge	992 gallons (3755.13 liters) approx.
Fresh Water	8,750 gallons (33,122.3 liters)
Potable Water	6,684 gallons (25,301.7 liters)
Berthing	6 crew members