

## **Specification: 7.3M JET TENDER**

### **1.0 GENERAL**

Builder: Winninghoff Boats, Inc.

Year Built: 1999

Hull Type: Modified Vee (50° deadrise fwd., 14° aft)  
Configuration: Self Bailing Cockpit, Center Console  
Hull Length Overall: 23' 10"  
Hull Beam Overall: 8' 4"  
Draft (hull): 1' 6"  
Norm. Oper. Displ.: 5,500 lbs.  
Power: Single Inboard Jet  
Yanmar 250 HP diesel  
Hamilton Jet 213  
Top Speed: 29 knots

Built to serve as a tender aboard a newly built 90+' yacht, this boat is based on our modified Vee Cape Ann Sea Skiff hull form and is very similar to the 7.4m jet skiff. Arrangement and hull dimensions were tweaked extensively to suit the mother ship and the customer.

## 2.0 CONSTRUCTION

- Welded aluminum construction featuring both transverse and longitudinal framing.
- Three watertight bulkheads, which include one collision bulkhead and one bulkhead at each end of the fuel tank bay.
- Scantlings per the following table:

<u>Item</u>	<u>Dimension</u>	<u>Alloy</u>
Keelson	4" x .375" Plate	5086 H116
Transverse Frames	4" x 1.7" x .190 Tee	5086 H32
Bulkheads	.190" Sheet	5086 H32
Bulkhead Stiffeners	1.5" x .190" Flat Bar	6061 T6
Longitudinals- Bottom	4" x .250" Flat Bar	6061 T6
Longitudinals- Deck	2" x .190" Flat Bar	6061 T6
Longitudinals- Topsides	1.5" x .190" Tee	6061 T6
Engine Beds & Bilge Skegs	.375" Plate	5086 H32
Bottom Plating	.250" Plate	5086 H32
Chine Bar	.375" Plate	5086 H32
Topside Plating	.190" Sheet	5086 H32
Transom	.190" Sheet	5086 H32
Working Deck	.190" Sheet	5052 H32
Side Decks	.190" Sheet	5086 H32
Console	.190" Sheet	5052 H32
Fuel Tank	.190" Sheet	5052 H32
Pipe & Tubing	Primarily Schedule 40	6061 T6 & 6063 T6

Welding- MIG and TIG processes using 5356 filler wire. All underwater seams are continuously welded inside and outside. All frames and stiffeners are stitch welded both sides.

## **3.0 FUEL & PROPULSION**

### **3.1 FUEL**

Fuel Tank-	<ul style="list-style-type: none"><li>• 80 Gallon, welded aluminum (3/16", 5052) constructed &amp; tested per USCG &amp; ABYC standards.</li><li>• Pick-up fitting w/ shut-off valve</li><li>• Electric Sending Unit</li><li>• Installed in a watertight compartment near the boat's LCG</li></ul>
Fuel Fill-	1 1/2" Scanvik deck plate (nylon), mounted in side deck.
Fuel Vent-	5/8" Nylon, mounted through topside plate, just below rub rail
Fuel Filter-	Racor 75/B32009-02, dual, 2 micron
Fuel Plumbing-	USCG approved hose, sizes to suit, Awab stainless steel hose clamps

### **3.2 PROPULSION ENGINE**

- Yanmar 6LP-DTE diesel inboard engine (250 hp at 3,800 rpm)
- Fresh water cooled
- Borg Warner 1:1 transmission.
- Aquadrive mounts.

### **3.3 DRIVE**

- Hamilton model 213 jet drive w/ hydraulic bucket.
- Aquadrive, 20300 series drive shaft

### **3.4 INSTRUMENTS & CONTROLS**

Engine Panel-	Yanmar "C-type" panel.
Jet Bucket Controls-	Kobelco control #2015AK at helm. Morse 33C Supreme cable.
Throttle-	Control and Cable per jet bucket controls.
Transmission-	Morse cable to Tee handle (push/pull) at dash.

### **3.5 STEERING**

- Teleflex SeaStar hydraulic w/ 15" cast aluminum wheel (Release Marine).

### **3.6 EXHAUST**

- Vernay in-line waterlift muffler with 4" inlet and 5" outlet.
- Hardwall exhaust hose w/ "Tee Bolt" stainless steel hose clamps.
- Transom outlet fit with Salisbury flap.

### **3.7 ENGINE RAW WATER SYSTEM**

- Fabricated inlet scoop to 1.5" welded aluminum thru-hull.
- Forespar, nylon sea valve
- Groco ARG-1500 water strainer

### **3.8 VENTILATION & SOUND INSULATION**

- (4) engine with Winninghoff cast aluminum louvres set just below sheer.
- High density panel dampening material
- 2 pound lead/foam insulation with mylar face in engine space and above drive line

#### **4.0 SUPERSTRUCTURE**

- Center Console with:
  - Built-in, forward facing seat
  - ¼" Lexan windshield
  - Welded aluminum handrails
  - Recessed footrest at helm
  - Canvas cover for dash panel

#### **5.0 AUXILIARY SYSTEMS & EQUIPMENT**

##### **5.1 BILGE PUMPS**

Lovett 1200 GPH (2) with float switches- one in the aft compartment and one forward. Three position control switches at helm panel.

## **6.0 ELECTRICAL**

### **6.1 BATTERY SYSTEM**

Batteries-	(2) Group 27, 95 amp-hour, 575 CCA, deep cycle, marine
Switches-	(1) Guest, 4 position for engine circuit (1) Guest, 4 position for accessory circuit
Main Breaker-	50A breaker (in accessory circuit) mounted at batteries

### **6.2 ACCESSORY SYSTEM**

Panel-	Paneltronics, weather proof, 8 circuit breakers
Bilge Pumps-	per 5.1
Compass-	Ritchie SS-1000, w/ light
Depth Sounder-	Furuno LS6000
Nav. Lights-	AquaSignal side and stern lights
VHF Radio-	Standard Eclipse w/ ratchet mount antenna (3' whip)
12 Volt Outlet-	2 prong outlet at dash panel for hand held spot or other accessory.

## **7.0 OUTFITTING EQUIPMENT, HARDWARE & FABRICATIONS**

Anchor-	Danforth 12H w/ 6' of 3/8" chain and 200' of 1/2" nylon rope
Bench Seat-	Full width bench seat facing aft at aft end of casting deck. Open below w/ extrusion frames for (4) fish totes
Boarding Step-	Port & Starboard. Hinged w/ teak or mahogany tread.
Bow Eye-	Welded aluminum, 3/8" Plate
Bow Bitt-	3" pipe fabrication, carried to keel.
Bow Chocks-	(2) Wilcox Crittenden (marinium)
Cleats-	(4) 8" cast aluminum, welded to deck. (2) spring, (2) stern
Cockpit Coaming-	Teak or mahogany, extending approximately 3" above side deck.
Deck Plates-	Viking, as necessary to access/inspect wiring, hull & plumbing
Fenders-	(3) inflatable fenders w/ lanyards
Handrails-	At center console and foredeck.
Hawses-	(4) Wilcox hawses at side decks aft for spring and stern cleats
Leaning Post-	Welded Aluminum Plate w/ (2) Bomar hatches for access to batteries and stowage
Lifting Eyes-	(4) with eyes just above the cockpit sole and just outboard of the side deck coaming. Structurally tied to frames. Fitted with stainless steel shackles.
Rod Holders-	(6) Taco Metals
Rub Rail- Sheerline-	Rubber "D" (2"), DB-50, Black) with polycarbonate insert, thru-bolted to hull topsides, just below deck edge. Run from just forward of transom to just aft of bow radius.
Scuppers-	(2) at transom w/ SeaStop flaps
Stowage-	(4) "Fish Totes" in extrusion frames under the bench seat. Each Tote measures approximately 31" L x 18" W x 12" H. (2) Bomar hatches in center console.
Seat Cushion-	Leaning Post
Tow Bitt-	3" pipe fabrication welded to a bracket off the aft CL of the leaning post.
Transom Platform/ Jet Guard	Pipe & tread plank fabrication, sized to cover jet.

## **8.0 PAINT & FINISH**

<u>Item</u>	<u>Primer</u>	<u>Topcoat</u>
Bottom	Ameron 400 Epoxy	“No-Foul” or “Trilux II” Anti-foulant
Boot Stripe	Ameron 400 Epoxy	Ameron Polyurethane
Hull Topsides	Ameron 400 Epoxy	Ameron PSX 700
Cockpit & Superstructure	Ameron 400 Epoxy	Ameron PSX 700
Decks	Self Priming	Ameron 400 Epoxy (w/ non-skid)

### **OPTIONS:**

We're open to any ideas.