

# **Diesel Duck 46 “Pelagic”**

## **Basic Specification Sheet**

### **General**

Length on Deck	44 feet 9 inches
Length overall	46 feet 5 inches
Length Waterline	41 feet 9 inches
Beam	14 feet 2 inches
Draft (1/2 load)	6 feet 3 inches
Displacement (1/2 load)	52,000 lbs.
Prismatic Coefficient	0.606
Immersion Coefficient	Appx. 2100 lbs. per inch
Ballast	4200 lbs. appx.
Power	85 HP John Deere Diesel
Fuel	1005 Gallons total, 955 usable
Water	255 Gallons in four tanks total including 25
gallons fresh aft	
Holding tanks	55 Gallons black forward, 60 gallons grey, 16
Gal Black Aft	

### **Hull**

- Single chine full displacement cold molded wood/fiberglass composite.
- Full length keel 21” X 8-1/4” minimum cross section. Keel bolts 3/4” HDG, except 1” in engine room area
- Rubrail: 5-5/8” thick with replaceable white oak wear pieces
- Watertight bulkheads each end of engine room
- Watertight “crash” bulkhead between chain lockers and accommodations
- Passive Paravane stabilizing with 192 sq. in. Kolstrand “birds”
- Pilot house roof rain catchment system with multiple filters
- 30’ mast with boom and mainsail, supports stabilizing system

### **Propulsion**

- Aquamet 17 Stainless steel 2-1/4 ” propeller shaft
- PYI model PSS, dripless shaft seal
- PYI R&D Model 910-006 Flexible Drive Coupling
- 28”X 18” four blade Michigan Wheel bronze propeller

### **Electrical**

- Northern Lights 9KW generator, 120/240 VAC
- 24/12 VDC House system
- Four (4) SeaVolt 6 volt, 420 Ahr, 8L16H house batteries
- Victron Phoenix Multiplus 24/70/3000 inverter/charger
- Electrodyne Model GE150-24 High Output alternator
- Blue Sea DC electrical distribution panels,
- Two Square D Series QO AC Load Panels
- 30 amp shore power thru Charles ISO-G2/8A Isolation transformer

- 6 gauge copper bonding system to all metals exposed to seawater, all large metal masses, and to Keel shoe.
- All wiring done to latest ABYC code with safety (red/yellow) duplex DC runs where possible
- All wiring Ancor Tinned Marine grade or equivalent

## **Ground Tackle**

- 110 lb. Bruce Primary anchor on 350 feet Acco 3/8" HDG High Test marine chain
- 65 lb. Plow (CQR style) Secondary anchor on 50 feet of Acco 3/8" HDG High Test marine chain and 300 feet 3/4" three strand nylon
- Ideal size 3 hydraulic horizontal anchor windlass with wildcat and capstan
- Bow roller assembly allows self-launch of primary anchor
- Three chain lockers with concrete floors and valved drain
- 25 lb. stern anchor Wilcox Crittenden Navy type
- Two aft rail mounted spare line reels, with 400' of 5/8" and 600' of 3/4" floating Polyolefin
- Spare Anchors: 70 lb HDG steel Luke Storm anchor and 55 lb. bronze Herreshoff type

## **Interior**

- Full main and generator engine gages
- Centerline helm station with two person bench seat and pilot berth
- Overhead electronics locker
- Chart Table with lighted storage for charts and navigation tools
- Direct lever actuated metering valve steering control
- Imtra "Exalto" heavy duty wiper system
- Buell Strombos air horn
- 17.3 cu.ft. Refrigerator, Force 10 range, Vent-a-hood, Drawer Dishwasher, Trash Compactor, Disposal, Microwave in galley
- "Silestone" Quartz countertops
- Full size front loading clothes washer and dryer
- Pressure saltwater rinse galley faucet, also two deck wash-downs.
- Bellawood 3/4" Brazilian Mesquite Sole
- Raised Dinette with drop down table makes double berth
- Samsung 32" 1080p LED HDTV/Monitor
- Fore and aft plumbing systems are independent, Electric flush fwd., manual aft
- Forward head tiled, with granite countertop vanity
- Raised Island Queen Sized bed with standard queen inner spring 9" mattress
- 25 Drawers and his and hers lighted hanging lockers in master stateroom
- Aft Half bath to starboard, Wilcox-Crittenden Model 1550 "Skipper" Toilet
- Closed loop nylon commercial grade carpet on raised areas to side of bed
- Automatic fire suppression system in Engine room
- ESI Fuel polishing system
- Sounddown insulation system
- Oil change with 24-gallon waste oil storage tank
- Dry Stack Exhaust cabinet through pilothouse cooled by thermostatically controlled tube axial fan