

## Specifications, KOOPMANS 48, Aluboot no 49

<b>Boat:</b> Koopmans 48, 1987, "Ellinor"	<b>L:</b> 14.50 m <b>W:</b> 4.00 m <b>D:</b> 1.35/2.70 m
<b>Builder:</b> Aluboot in Hindeloopen - Holland,	<b>Depl:</b> 15,5 tonnes, ballast: 8 tonnes (lead integrated in the lower part of the hull and sealed with epoxy)

### ***Engine and bowthruster***

Yanmar 100 HP, (2007), 650 hours

Max prop propeller (2007)

Cutlass bearing (2007)

Water lubricated propeller shaft (2007)

Flexible mounting engine – propeller shaft (2007).

Consumption: approx. 7 litres per hour. Speed: approx. 7,5 knots.

Rheinstrom 5 kW electric bowthruster

Mastervolt Whisper Generator 3,5 kw (2005)

### ***Tankage***

**Diesel:** 2 hull-integrated tanks of 300 plus 400 litres, Wema gauges. 1 day tank, s/s, 50 litres with electrical filling and manual backup pump.

**Fresh water:** 2 two aluminium hull-integrated of 300 plus 400 litres, Wema gauges (2004)

**Black water:** 120 litres (2004).

### ***Hull, Deck and Cockpit***

#### ✓ **Hull**

- Aluminium. Round-bilged white with light blue striping, repainted in 2002
- Electric hydraulic operated centre board with 90 kg ballast
- Bottom epoxy treated 2005

#### ✓ **Deck**

- Aluminium.
- New Awl Grip 2016
- Double wired stainless steel stanchions with opening ports on each side, Leacloth (2004).
- 5 dorades,
- Anchors: Spade 30kg, 15kg leight weight
- Deck wash pump
- Gangway
- Outboard bracket on pushpit

- Deck shower
- Wash down pump and hose
- ✓ **Cockpit**
  - Aluminium.
  - Repainted 2016.
  - Whitlock mechanical wheel steering on a custom made aluminium pedestal
  - Sprayhood (2015)
  - Bimini (2015)
  - Sunshades (2015)
  - Cockpit table, teak
  - 2 lazareths aft
  - Large cockpit locker aft of pedestal
- ✓ **Superstructure**  
Aluminium.
- ✓ **Hatches and Port lights**  
4 small and 5 large deck hatches. 8 opening port lights in superstructure and in cockpit. All Lewmar deck hatches and port lights refitted with new glass and Plexiglas in 2002

## ***Akommodation***

**Interior:** Classic teak. Saloon + 3 cabins with a total of 7 berths. Ample headroom in all cabins.

**Aft cabins:** 2 mirrored cabins (port and starboard), each with a double berth, lockers, cupboard, enough light and ventilation through opening ports and deck hatches.

**Forward cabin:** 1 double berth to starboard, sofa to port. Extensive numbers of drawers and lockers. Huge deck hatch.

**Peak:** Large sails storage, watermaker and chain, accessed via forward head.

**Fwd head:** New Jabsco toilet (2015) with a 120 litres holding tank (2004). 4 lockers above and beneath the worktop. S/S washbowl (2011) and a single handled faucet. Shower with removable teak floor. Finish in white formica with teak trims.

**Aft head (port):** New Jabsco toilet (2015). 4 lockers above and beneath the worktop. S/S washbowl (2011) and a single handled faucet. Shower with removable teak floor. Finish in white formica with teak trims.

**Saloon:** U-shaped sofa to starboard and a straight sofa to port, both with cupboards and lockers behind and below.

**Galley:** U-shaped, forward-facing in front of companionway. Teak varnished worktop, 8 drawers, 1 dustbin. Double s/s sink, single handled faucet, hot and cold pressure water (2014). Foot operated fresh and saltwater backup pump (both 2004),

Refrigerator: Two large top opened s/s boxes, Isotherm (2015)

Hot water: Isotherm (2007), 36 litres s/s. Engine and 220 Volt AC heated

Cooker: SMEV, three burners with oven and grill, s/s (2004).

Gas detector: Vetus, with automatic shut off valve on gas bottle (2004).

**Heating:** Eberspächer D5 hot air heating system (2004) with outlets in every cabin. Automatic temperature control. Not used since 2005, needs an upgrade

### ***Electrical equipment and Watermaker***

Current: 12V, 24V and 220V shore power,

Batteries: 6 x 120 Ah, Sonnenschein gel, 24 Volt. 2x 50 Ah (2013), Optima 12 Volt (2008 and 2011) for engine and generator start.

Mastervolt hard and software:

- ✓ automatic battery charger, Mass 24/50 (2004) with Mastervolt charger control system for gel batteries and 2\* Ctec for starter batteries
- ✓ battery monitoring system for both 12V and 24V (2004)
- ✓ Inverter, Mass Sine 24/1500, (2013)
- ✓ Isolation transformer 35 kW (2004),

Generator: Mastervolt Whisper 3,5 kw (2005)

Watermaker: Echo tech (2008)

Lewmar Commander 200, hydraulic power pack (2005)

### ***Navigation***

#### **Cockpit**

Pedestal:

- ✓ Magnetic compass, Sestrel
- ✓ Wind direction (360), B&G
- ✓ Wind direction magnified (0- 60), B&G
- ✓ Wind speed, B&G
- ✓ Centerboard lift and gauge
- ✓ B&G network navigator (GPS repeater)
- ✓ Depth, B&G

Autopilot Raymarine hydraulic (2009) plus one spare, P70 (2016)

Gauge and filling of day tank

### **Chart table**

Depth Speed, Log, Wind: B&G Hydra 2000 in cockpit (repeater) at chart table and captains cabin,

GPS: Furuno GPS, Waas GPS (2011),

VHF: Sailor Compact RT2047 VHF (secondary VHF, Atis). Furuno RB 2721 VHF with Atis and DSC 25 W and separate speaker in cockpit (2004),

Weather: Navtex (2016)

AIS: Navtex (2015)

Radar: Furuno FCR 903 9.410 MHz range 36 NM

SSB: Icom IC 718 HF SSB transceiver 150W. Automatic antenna tuner (2004),

E-pirb: Jotron class II (2004),

Antenna: Sart Tron (2004)

Kommunic: Inmarsat C Sailor H 1622D-Sat-C transceiver (2004)

All equipment NMEA connected

### **Miscellaneous**

- ✓ Several fenders and spare parts
- ✓ Clock and barometer
- ✓ Safe

### **Safety**

- ✓ Nimbus life raft for 6 persons (last inspection 2004)
- ✓ Fire extinguishers: 2x 2 kg of 2004 + 2x 2kg (checked 2004)
- ✓ 1 manual and 1 electric bilge pump, Jabsco (2015d van).
- ✓ Emergency tiller.

### **Winches**

Windlass: Electric Lofrans project 500 (2008) - operated from cockpit as well on fore deck

### **Cockpit**

- ✓ Lewmar 55 primary winches, hydraulic \*2 (Yankee)
- ✓ Lewmar 46, secondary winches \*2 (Maim sheet, main out)
- ✓ Lewmar 43 secondary winches \*2 (Jib)

### **Mast:**

- ✓ Lewmar 40 \*2
- ✓ Lewmar 30

All Lewmar 2-speed selftailing winches

Lewmar Commander 200, hydraulic power pack (2005)

Repainted (2016)

### **Rigging**

Cutter-rigged sloop. New rigging 2005

Mast: Deck-stepped white aluminium, 2 spreaders. In mast hydraulic furling, Rondal Spriboom and boom.

Backstay and vang: Hydraulic backstay and vang, Navtec, pump in cockpit, s/s fittings

## **Sails**

Genoa: Yankee, Doyle, Vectron (2015) on Rondal hydraulic furler (new 2007)  
Staysail: Doyle, Vectron (2015) on Rondal hydraulic hydraulic furler (served 2007)  
Main: Doyle, Vectron (2015) on Rondal hydraulic hydraulic furler (served 2007)

Spinnaker: Asymmetric, Hood (1987) with cocoon,

Lewmar tracks and cars for headsails sheets and mainsail traveller in front of companionway

## **Dinghy**

Carib 8 (2014)  
Mercury, 8 HP, 4 stroke (2012)

### **Upgrades, 2004 – 2016**

#### **2004**

All electric wiring  
All VVS  
Mastervolt panel,  
Mastervolt Inverter  
Mastervolt Isolator  
Sailor, Inmarsat C  
Webasto heater (need upgrade)  
ICOM 718 SSB  
Furuno VHF  
Glass on all windows, hatches and port lights  
Awl grip on full exterior  
All fabric

#### **2005**

Standing rigging  
Blastering bottom. New EPOXI layer  
Mastervolt Whisper Generator 3,5 KW  
Lewmar Commander 200, hydraulic power pack  
Hydraulic hoses  
Spade anchor 30 kg  
Spade anchor light weight (15kg) with kettle and leaded line  
Measurer electric leaks  
Towing generator (3-4 amps, 24V in 6 knots)  
Day tank with gauge and manual filling  
Racor filter  
Ladder on transom  
Stainless Steel battery boxes  
Ancharolina 2 \* 70 meter

<b>2006</b>
SSB antenna, ground plane Lewmar cars
<b>2007</b>
Yanmar 100 HP Max prop propeller Cutlass bearing Water lubricated propeller shaft Propeller shaft Isotherm water heater B&G Hydra 2000 All hydraulic serviced New hydraulic genoa furler New hydraulic switches Carbon filter for drinking water B&G log
<b>2008</b>
Raymarine hydraulic Autopilot *2 B&G in Captain's Cabin Lofrans project 500 Windlass Watermaker, Echo tech Gas bottles in composite
<b>2010</b>
FitPC, navigation computer Cockpit cushions
<b>2011</b>
GPS, Furuno Battery, Optima 50AH, Yanmar Screen, Dell 24' Electric airpump for the dinghy
<b>2012</b>
Mercury, 4 stroke, 8 HP
<b>2013</b>
Centerboard remounted , repaired and checked All hydraulic systems overhauled

Harbor lines  
Sheets  
Raymarine hydraulic autopilot motor  
Mastervolt charger  
Batteries, 360AH, 24V, Sonnenschein gel

**2014**

Warning system for all bilges compartment (\*3)  
Fresh water pump  
Dinghy, Carib 8

**2015**

Sails (Yankee, jib and main, Vectron)  
Main halyard  
Hoisting halyard (long)  
Awning. Sprayhood, bimini, sunsides  
New turbo  
Isotherm fridge  
Stationary webb antenna with amplifier  
WiFi, Bad Boy  
Jabsco toilettes (2)  
Jabsco bilge pump  
Navtex AIS

**2016**

Navtex weather  
Wind vane  
Raymarine P70 autopilot control unit  
Battery 50 AH Whisper  
Black water pump, Vetus  
Teak deck replaced with Awl Grip paint  
Mast, boom and cockpit repainted