

# ALEXANDRA<sup>2</sup>

This document defines the Scanmar 42 named Alexandra<sup>2</sup>

Only one Scanmar 42 have been produced

The super structure is a Scanmar 40 (16 of 25) and was manufactured in 1987 at Bjästa Örnsköldsvik Sweden

Manufacturer The Börjesson Brothers / Scanmar Yachts

Mr Hans Södergren and Mr Torsten Carlsson bought the shell and rebuilt her in Kalmar Sweden during the years 1987 to 1997

**MMSI 265538720 VHF Call Sign SC3925**

## Technical Data

### 1. General

|                                     |                      |
|-------------------------------------|----------------------|
| a) Length Over All .....            | 13,9 m (45,7 ft)     |
| b) Length Over Hull .....           | 12,9 m (42,5 ft)     |
| c) Length Waterline .....           | 10,5 m (34,5 ft)     |
| d) Beam .....                       | 3,9 m (12,6 ft)      |
| e) Draft .....                      | 2,1 m (6,9 ft)       |
| f) Total Weight .....               | 12,5 Ton (27550 lbs) |
| g) Keel Weight .....                | 3,7 Ton (8150 lbs)   |
| h) Height (Vertical Clearance)..... | 18,8 m (61,7 ft)     |
| i) DLR.....                         | 300                  |
| j) Ballast Ratio.....               | 30%                  |
| k) SA/D .....                       | 21                   |

### 2. Sail Measurements

|                                                          |                   |
|----------------------------------------------------------|-------------------|
| a) Main Mast Main Sail                                   |                   |
| i. P .....                                               | 13,9 m            |
| ii. E .....                                              | 4,8 m             |
| b) Mizzen Mast Main Sail                                 |                   |
| i. Py.....                                               | 8,0 m             |
| ii. Ey .....                                             | 2,0 m             |
| c) Fore Head Sail                                        |                   |
| i. Luff .....                                            | 16,0 m            |
| ii. Leech.....                                           | 15,9 m            |
| iii. Foot.....                                           | 9,3 m             |
| d) Fore Stay Sail                                        |                   |
| i. Luff LP .....                                         | 11,2 m            |
| ii. Leech.....                                           | 12,7 m            |
| iii. Foot G .....                                        | 8,3 m             |
| e) Main Crosscut Dacron Full Battened Loose Footed ..... | 39 m <sup>2</sup> |

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|                                                            |                   |
|------------------------------------------------------------|-------------------|
| f) Head Sail Bi-Radial Sandwich with Compensator .....     | 69 m <sup>2</sup> |
| g) Cutter Sail Crosscut Dacron .....                       | 25 m <sup>2</sup> |
| h) Mizzen Crosscut Dacron Full Battened Loose Footed ..... | 9 m <sup>2</sup>  |
| i) Gennaker Triradial .....                                | 95 m <sup>2</sup> |

## 3. Engine

|                                           |                       |
|-------------------------------------------|-----------------------|
| a) Volvo Penta D2-55F S/N 510398894X..... | 2014                  |
| i. Weight.....                            | 225 kg                |
| ii. Cylinders.....                        | 4                     |
| iii. Displacement.....                    | 2200 ccm <sup>3</sup> |
| iv. Engine Power .....                    | 55 hp                 |
| v. Engine RPM                             |                       |
| 1. Idle.....                              | 850±25 rpm            |
| 2. Max .....                              | 3000 rpm              |
| vi. Engine Oil Capacity .....             | 10,5 lit              |
| vii. Alternator.....                      | 14V/115 Amp           |

## 4. Gear Box

|                           |                        |
|---------------------------|------------------------|
| a) Hürth HBW250-3R .....  | 1997                   |
| i. Weight.....            | 18 kg                  |
| ii. Ratio fwd .....       | iA=2,737               |
| iii. Ratio rev .....      | iB=2,722               |
| iv. Oil Capacity .....    | 0,75 lit               |
| v. Max Input Power .....  | 169 NM ≈ 0,0237 hk/rpm |
| vi. Max RPM.....          | 5000                   |
| vii. Adaptor Plate .....  | SAE 7                  |
| viii. Ingoing Shaft ..... |                        |
| 1. Diameter .....         | 33 mm                  |
| 2. Length .....           | 74 mm                  |
| 3. Splines .....          | 26 ea                  |

## 5. Propeller and Shaft

|                                              |                                             |
|----------------------------------------------|---------------------------------------------|
| a) Propeller shaft                           |                                             |
| i. Diameter .....                            | 35,00 mm                                    |
| ii. Shaft End (Concentric) .....             | ISO 1:10                                    |
| b) Propeller Shaft Bore Reducer (Brass)..... | <a href="#">BBM-4</a>                       |
| c) Key (Brass).....                          | ISO 8 x 7 mm parallel                       |
| d) Propeller (Brass) .....                   | <a href="#">MaxProp Classic Model 20833</a> |

## 6. Steering

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- a) Manufacturer .....Unknown
- b) Steering Wheel
  - i. Outer Diameter.....120 cm
  - ii. No of spokes ..... 8
  - iii. Axle Diameter..... 1"
  - iv. Axle Shape..... Straight Cylindrical

## 7. Tank Volumes

- a) Potable Water
  - i. Port (Stainless Steel) ..... 175 lit
  - ii. Aft (Stainless Steel)..... 400 lit
  - iii. Starboard (Stainless Steel)..... 225 lit
- b) Lavatory
  - i. Port (Stainless Steel) ..... 125 lit
  - ii. Starboard (Stainless Steel)..... 125 lit
- c) Diesel
  - i. Port (Stainless Steel) ..... 200 lit
  - ii. Starboard (Stainless Steel)..... 200 lit

## 8. Standing Rig

- a) Main Mast
 

|                      |        |       |                 |
|----------------------|--------|-------|-----------------|
| i. Fore stay         | 17 m   | 10 mm | Hasselfors ¾    |
| ii. Bobstay          |        |       |                 |
| iii. Inner Fore stay | 13,5 m | 8 mm  | Hasselfors 5/8" |
| iv. Baby stay        | 7 m    | 7 mm  | Hasselfors 1/2" |
| v. Top shroud        | 15,5 m | 10 mm | Hasselfors ¾    |
| vi. Middle Shroud    | 12 m   | 8 mm  | Hasselfors 5/8" |
| vii. Lower shroud    | 6,5 m  | 8 mm  | Hasselfors 5/8" |
| viii. Check stay     | 6 m    | 6 mm  | None            |
| ix. Bardun           | 13 m   | 7 mm  | None            |
| x. Aft stay          | 17 m   | 8 mm  | Hasselfors 5/8" |
- b) Mizzen Mast
 

|                   |     |      |                  |
|-------------------|-----|------|------------------|
| i. Fore stay      | 9 m | 6 mm | Hasselfors 7/16" |
| ii. Top shroud    | 9 m | 7 mm | Hasselfors 7/16" |
| iii. Lower shroud | 5 m | 6 mm | Hasselfors 7/16" |

## 9. Running Rig

- a) Genoa Halyard                   13 m Wire 25 m Rope 12 mm
- b) Cutter Halyard                 40 m Rope 12 mm

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- c) Main Sail 1 Halyard                    12 m Wire 25 m Rope 12 mm
- d) Main Sail 2 Halyard                   40 m Rope 12 mm
- e) Main Sail Sheet                        10 mm
- f) Main Sail Boom Vang Sheet         8 mm
- g) Main Mast Back Stays Sheet        8 mm

## 10. Furling System

- a) Head Stay Furling System ..... Nemo DR Wonderfurl
  - i. Profile Diameter..... 44 mm
  - ii. Sail Track Slot ..... 4 mm
  - iii. Sail Track Diameter..... 10 mm
- b) Cutter Stay Furling System ..... Nemo CR Wonderfurl
  - i. Profile Diameter..... 40 mm
  - ii. Sail Track Slot ..... 4 mm
  - iii. Sail Track Diameter..... 10 mm

## 11. Rig

- a) Main Mast..... [Skarven](#)
  - i. Profile..... No 620
  - ii. Length ..... 17,8 m
  - iii. Weight.....(6,2 kg/m) Total 110 kg
  - iv. Profile Dimensions
    - 1. Length ..... 202 mm
    - 2. Width..... 156 mm
    - 3. Thickness ..... 3,7 mm (reinforced 5,5 mm)
  - v. [Specification](#)
    - 1. CM4 IL..... 1067
    - 2. CM4 IT..... 660
    - 3. CM3 WL ..... 98
    - 4. CM3 WT ..... 85
- b) Main Boom..... [Bennis](#)
  - i. Profile..... SB9
  - ii. Length ..... 5,0 m
  - iii. Dimensions..... See [Document](#)
  - iv. Weight.....(4,67 kg/m) Total 23 kg
  - v. Strenght
    - 1. CM4 ly..... 644
    - 2. CM4 lx..... 229
    - 3. Thickness ..... 3,0 mm

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|                                  |                              |
|----------------------------------|------------------------------|
| c) Mizzen Mast .....             | <a href="#">Skarven</a>      |
| i. Profile .....                 | No 384                       |
| ii. Length .....                 | 9,7 m                        |
| iii. Weight .....                | (3,84 kg/m) 37,3 kg          |
| iv. Dimensions                   |                              |
| 1. Height .....                  | 152 mm                       |
| 2. Width .....                   | 110 mm                       |
| 3. Thickness .....               | 3,0 mm (reinforced 5,0 mm)   |
| v. <a href="#">Specification</a> |                              |
| 1. CM4 IL .....                  | 334                          |
| 2. CM4 IT .....                  | 191                          |
| 3. CM3 WL .....                  | 44,5                         |
| 4. CM3 WT .....                  | 34,5                         |
| d) Mizzen Boom .....             | <a href="#">Benns</a>        |
| i. Profile .....                 | SB7                          |
| ii. Length .....                 | 2,1 m                        |
| iii. Dimensions .....            | See <a href="#">Document</a> |
| iv. Specifications               |                              |
| 1. Weight .....                  | (2,0 kg/m) Total 4,2 kg      |
| 2. CM4 ly .....                  | 100                          |
| 3. CM4 lx .....                  | 30                           |
| 4. Thickness .....               | 2,25 mm                      |
| e) Travellers .....              | SM-1335                      |

## 12. Windlass

|                 |                                   |
|-----------------|-----------------------------------|
| a) Lewmar ..... | V3                                |
| b) Gypsy .....  | Lewmar 68000362..... DIN766 10 mm |

## 13. Electrical Installations

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| a) Control Panel in cockpit ..... | <a href="http://www.skyltdirect.se">www.skyltdirect.se</a> |
| b) Control Buttons .....          | Eaton RMQ Titan 22 mm                                      |

## 14. Oil Types

|                                  |            |
|----------------------------------|------------|
| a) Gear Box .....                | Dexron III |
| b) Propeller Shaft Bearing ..... | SAE 75W/90 |
| c) Bow Thruster .....            | SAE 75W/90 |

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## Equipment List

### 1. Safety & Security

|                                                                     |                               |                   |
|---------------------------------------------------------------------|-------------------------------|-------------------|
| a) PLB Kannad 406 PLB XS3.....                                      | UNI 214E5A26DAFFBFF.....      | Batt Exp          |
| b) PLB RescueME PLB1 .....                                          | UNI 214E778F04FFBFF.....      | Batt Exp 2020 OCT |
| c) Bilge Pump Jabsco 50 lit/min .....                               |                               | 2004              |
| d) Bilge Pump Jabsco Submergible 125 lit/min.....                   |                               | 2004              |
| e) Baltic Swede-Buoy .....                                          |                               | 2009              |
| f) 2 ea SOLAS Immersion Suits.....                                  |                               | 2000              |
| g) Firdell Blipper 210-7 Radar Reflector.....                       |                               | 2012              |
| h) Redknows GPS/3G Alarm.....                                       |                               | 2010              |
| i) True Heading AIS-CTRX Class B S/N 001393 .....                   | 4 W.....                      | 2006-07-01        |
| j) Raymarine E42001 VHF 240 DSC.....                                | RX 0,4A/STBY 0,1A/TX <6A..... | 2011              |
| k) Raymarine E42001 VHF 240 DSC Handset at helm.....                |                               | 2011              |
| l) Raymarine E42001 VHF 240 DSC Handset at navigation station ..... |                               | 2012              |
| m) Raymarine E12185 LifeTag™ Wireless MOB Monitoring System.....    |                               | 2012              |
| n) Raymarine M95435 Hailing Horn .....                              |                               | 2012              |
| o) 5 ea Fire Extinguishers .....                                    |                               | 2011              |
| p) Safety Box with Flares and Signaling Gun.....                    |                               | 2010              |
| q) Wichard Jackline LyfSafe .....                                   | (Length: 11 m/36').....       | 2014              |

### 2. Navigational Displays, PC:s and other Electronic Hardware

#### Power Consumption

|                                                              |                                                        |            |      |
|--------------------------------------------------------------|--------------------------------------------------------|------------|------|
| a) Raymarine RL80CRC+ 10,4" Display at helm .....            | ( <a href="#">E52038</a> ) 0920085 ver 4.11 ..         | 30 W.....  | 2002 |
| b) Raymarine RL80C+ 10,4" Display at navigation station..... | ( <a href="#">E52037</a> ) 0820027 ver 4.11 ..         | 30 W.....  | 2002 |
| c) Raymarine RL70CRC+ 7" Display at navigation station ..... | ( <a href="#">M52039</a> ) ver 3.20 .....              | 20 W.....  | 2004 |
| d) Raymarine L760RC+ 7" Display at pilot house .....         | ( <a href="#">E63012</a> ) 101093665 ver 4.11          | 20 W ..... | 2001 |
| e) Raymarine RL80CRC+ 10,4" Display (Spare) .....            | ( <a href="#">E52038</a> ) 1010019 .....               | 30 W.....  | 2001 |
| f) Raymarine RL70C+ 7" Display (Spare).....                  | ( <a href="#">M52039</a> ) 0630007.....                | 20 W.....  | 2003 |
| g) Dell laptop E6320 Latitude i5 2.5 GHz.....                |                                                        |            | 2011 |
| h) Jeppesen PC Planner Software Built 11.0.5.....            |                                                        |            | 2009 |
| i) PC Planner USBCC Hardware Reader .....                    |                                                        |            | 2005 |
| j) Digital Yacht Boatranet.....                              | ( <a href="#">ZDIGBNET-EU</a> ) 1125-0085... 18 W..... |            | 2009 |
| k) Comar NMEA-2-WiFi.....                                    | ( <a href="#">001-1037</a> ) .....                     | 1,2 W..... | 2014 |

### 3. Positioning and Heading

|                                               |                                  |            |      |
|-----------------------------------------------|----------------------------------|------------|------|
| a) Raymarine RS125 GPS Receiver .....         | ( <a href="#">E32042</a> ) ..... | 1,2 W..... | 2011 |
| b) Raymarine RS125 GPS Receiver (Spare).....  | ( <a href="#">E32042</a> ) ..... | 1,2 W..... | 2010 |
| c) Raymarine Smart Heading Sensor.....        | ( <a href="#">E12101</a> ) ..... | 1,5 W..... | 2011 |
| d) Raymarine Fluxgate Electronic Compass..... | (M81190) .....                   |            | 2011 |

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- e) Raymarine Fluxgate Electronic Compass (Spare).....(M81190) ..... 2011
- f) Raymarine Seataalk to PC Interface behind stereo.....(E85001)..... 2008

## 4. Radar

- a) Raymarine Radar Scanner 4D 4kW 24" .....(M92652) ..... 9 W/28 W..... 2007
- b) Raymarine Radar Scanner 4D 4kW 24" (Spare) .....(M92652) ..... 9 W/28 W..... 2007
- c) Raymarine HD Digital Color Radar Dome..... 2015

## 5. Autopilot

- a) Raymarine ST6001 Autopilot Control Instrument at the helm ..... ([E12098](#))..... 2008
- b) Raymarine ST6001 Autopilot Control Instrument at the pilot house ..... ([E12098](#))..... 2008
- c) Raymarine S2 Autopilot Control Unit .....([E12054](#)) ..... 3,6 W/216 W..... 2008
- d) Raymarine S2G Autopilot Control Unit (Spare) .....([E15015](#)) ..... 3,6 W/216 W..... 2009
- e) Raymarine Smart Heading System (SHS) .....(E12002)..... 2008
- f) Raymarine Smart Heading System (SHS) (Spare).....(E12002) 0630116 ..... 2016
- g) Raymarine Rudder Feedback Transducer.....([M81105](#)) ..... 2010
- h) Raymarine Rudder Feedback Transducer (Spare).....([M81105](#)) ..... 2010
- i) Silva HP-40 Hydraulic Linear Actuator with integrated Electrical Pump ..... 36-60 W..... 1997

## 6. Speed

- a) Raymarine Speed/Temp Transducer .....(E66018)..... 2011

## 7. Depth

- a) Raymarine DSM30 Digital Sounder Module .....([E63074](#)) .....0,5 A (8 A Peak)..... 2011
- b) Raymarine DSM 300 Digital Sounder Module (Spare)....(E63069) .....0,5 A (8 A Peak)..... 2015
- c) Raymarine Depth Transducer fwd of bow thruster .....(E66014)..... 2011
- d) Raymarine Depth Transducer fwd of keel (active).....(E66014)..... 2011

## 8. Wind

- a) Raymarine ST60+ Wind System Analog Vane .....([A22012-P](#))..... 2012

## 9. Communication

- a) Raymarine VHF 240 DSC ([E42001](#)) ..... RX 0,4A / STBY 0,1A / TX<6A..... 2011
- b) Raymarine VHF 240 DSC ([E42001](#)) ..... RX 0,4A / STBY 0,1A / TX<6A..... 2011
- c) Raymarine VHF 240 DSC Second Handset ([E45001](#))..... 2011
- d) [Icom Handheld IC-M2A](#) ..... 5 W (Hi), 3 W (Mid) and 1 W (Low)..... 2004
- e) [Icom Handheld IC-M25](#)..... 5 W 2,3A (Hi), 1 W 0,9A (Low)..... 2016

## 10. Compasses

- a) Silva 125FT at the helm..... 1997
- b) Plastimo 130 Contest at the pilot house ..... 2005

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c) Silva 70UN at navigation station..... 2012

## 11. C-Map NT/NT+ Electronic Charts

### a) Sweden

- i. [Western Sweden](#) ..... EN-C253.35 MW+.....2013-09-05
- ii. [Norrköping – Gävle](#)..... EN-C257.36 W+.....2012-05-16
- iii. [Gulf of Botnia](#)..... EN-C259.15 MW+.....2007-09-28
- iv. [East Sweden](#)..... EN-C265.15 SW+.....2014-02-10

### b) Finish

- i. [Gulf of Finland](#) ..... EN.C325.21 MW+.....2010-09-09
- ii. [Vaasa to Turku](#) ..... EN-C343.06 MW+.....2010-02-18

### c) Baltic

- i. [Estonia, Latvia, Lithuania, Poland](#) ..... EN-C706.23 MW+.....2010-09-02

### d) UK

- i. [Dartmouth to Southampton](#)..... EN-C050.06 MS+.....2003-02-26
- ii. [Scilles to Portland](#)..... EN-C128.06 MS+.....2003-02-26

### e) France

- i. [Cherbourg to Cape Farwell](#)..... EN-C007.06 MS+.....2003-02-26
- ii. [France Atlantic Coasts](#) ..... EW-C222 MW+.....2002-03-20
- iii. [Gulf of Lion](#)..... EM-B072.07 ML.....2001-02-19

### f) The Mediterranean Sea

- i. [Balearic Islands](#)..... EM-C067.03 ML+.....2002-03-25
- ii. [Tarragona to Palamos and Balearic Islands](#)..... EM-B082.04 W.....2000-03-21
- iii. [Marina Di Carrara to M.NA Di Tarquinia](#)..... EM-B050.09 ML.....2001-02-19
- iv. [Low Tyrrhenian and East Sardinia](#)..... EM-B057.09 MW.....2001-02-19
- v. [Tyrrhenian Sea](#) ..... M-EM-C098 SW+.....2002-03-25
- vi. [Aegean Sea](#) ..... M-EM-C106 SW+.....2002-03-25

### g) Black Sea charts

- i. [Black Sea and Marmara](#) ..... M-EM-C098 W+.....2002-03-29

### h) USA

- i. [Lake Michigan and North Channel](#)..... NA-C102.07 W+.....2004-03-29
- ii. [Passamahquoddy Bay to Montauk MY](#) ..... NA-C301.26 MW+.....2011-05-27
- iii. [Portsmouth NH to Montauk MY](#)..... NA-C302.05 W+.....2003-03-10
- iv. [Shinnecock Bay to Lake Rudee](#)..... NA-C303.14 W+.....2006-02-13
- v. [ICW: Norfolk VA to Key West FL](#)..... NA-C307.06 W+.....2003-03-04
- vi. [ST Lucie Inlet to Lake Pontchartrain](#)..... NA-C401.18 W+.....2008-03-31
- vii. [Pensacola Bay to Gulf of Honduras](#) ..... NA-C402.11 MW+.....2006-02-14
- viii. [Cuba to Trinidad and Tobago](#) ..... NA-C501.41 MW+.....2015-06-03



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|     |                                                           |                     |            |
|-----|-----------------------------------------------------------|---------------------|------------|
| ix. | <a href="#">Florida, South Cuba and the Bahamas</a> ..... | NA-C503.14 MW+..... | 2006-02-14 |
| x.  | <a href="#">Bahamas – Lake Worth Inlet – Miami</a> .....  | NA-B607.31 W+.....  | 2012-06-19 |
| xi. | <a href="#">Mazatlan MX to Cape Flattery WA</a> .....     | NA-C620.06 SW+..... | 2003-02-27 |

## 12. Electrical

|    |                                                        |                                         |      |
|----|--------------------------------------------------------|-----------------------------------------|------|
| a. | Shore Power Control Panel.....                         |                                         | 2004 |
| b. | Tystor 40 Amp Shore Power Charger .....                |                                         | 2014 |
| c. | Septor 75 Amp Charge Separator .....                   |                                         | 2014 |
| d. | Helios H100 Solar Panel 2 x 100 W .....                |                                         | 2000 |
| e. | Fox-350 Solar Panel Regulator .....                    |                                         | 2000 |
| f. | Batteries                                              |                                         |      |
|    | i. 1 ea Engine Marine Gel 90 AH .....                  |                                         | ?    |
|    | ii. 2 ea Consumption House Marine Gel 100 AH .....     |                                         | 2011 |
|    | iii. 1 ea Bow Thruster/Windlass Marine Gel 90 AH ..... |                                         | ?    |
| f. | At Electrical Center                                   |                                         |      |
|    | i. Blue Sea Systems 8380 .....                         | DC Main + 22 CB:s Panel.....            | 2015 |
|    | ii. Blue Sea Systems 8377 .....                        | DC 16 CB:s Panel .....                  | 2015 |
|    | iii. Blue Sea Systems 8690 .....                       | Dual Circuit Management Plus Panel..... | 2015 |
|    | iv. Blue Sea Systems 1016 .....                        | Dual USB Charger.....                   | 2015 |
| g. | At Pilot House                                         |                                         |      |
|    | i. Blue Sea Systems 4376 .....                         | Water Resistant 6 CB:s Panel.....       | 2015 |
|    | ii. Blue Sea Systems 1016 .....                        | Dual USB Charger.....                   | 2015 |
|    | iii. Eaton RMQ Titan, 22 mm Range .....                | Control Panel at Helm.....              | 2015 |

## 13. Sails and Canvases

|    |                                        |            |      |
|----|----------------------------------------|------------|------|
| a) | Main .....                             |            | 1996 |
|    | i. Sheet .....                         | 10 mm..... | 2012 |
| b) | Genoa.....                             |            | 1998 |
|    | i. Sheet .....                         | 16 mm..... | 2013 |
| c) | Jib 25 Sqm <sup>2</sup> Crosscut ..... |            | 1996 |
|    | i. Sheet .....                         | 12 mm..... | ?    |
| d) | Mizzen .....                           |            | 1996 |

## 14. Propulsion

|    |                                                           |             |      |
|----|-----------------------------------------------------------|-------------|------|
| a) | <a href="#">Engine Mounts</a> .....                       |             | 2014 |
| b) | <a href="#">MaxProp Prop 3 Bladed Classic 20833</a> ..... |             | 2006 |
| c) | Fixed 3 Bladed Prop .....                                 |             | 1997 |
| d) | <a href="#">Bow Thruster SidePower SP75Ti</a> .....       | 4,4 kW..... | 1997 |

## 15. Anchoring

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- a) [Lewmar V3 Winchlass](#)..... 1000 W..... 2012
- b) Plow Anchor 25 kg Stainless Steel ..... 1997
- c) Delta 20 kg ..... 2011
- d) Ankarolina 56 m..... 2011

## 16. Sailing Hardware

- a) Andersen 2 ea 58ST (Cockpit)..... 1997
- b) Andersen 2 ea 46ST (Cockpit)..... 1997
- c) Lewmar 2 ea 16ST (Main Mast)..... 1997
- d) Andersen 12ST (Main Boom)..... 2016
- e) Andersen 12ST (Mizzen Mast) ..... 2016

## 17. Deck, Cabin & Pantry

- a) Hatch Vetus MAG6363SL (fwd) ..... 2015
- b) Hatch Vetus MAG2626SL (mid) ..... 2015
- c) Hatch Vetus MAG5151SL (aft)..... 2015
- d) Propane Owen..... 1997
- e) [Isotherm 3701 ASU Compressor Refrigerator](#)..... 1997
- f) [Heater Eberspächer D5W 5kW Diesel/Liquid](#)..... 1997
- g) [Heater Trumatic 2400 2,4kW Propane/Air](#) ..... 1997

## 18. Dingy

- a) [Honwave T32-IE1 \(CNSSLHJ062H505\)](#).....320 x 154 cm 39 kg..... 2010
- b) Suzuki 9,9 hp @5000 rpm (DF9,9ST 00991F-652662) ..... 42 kg..... 1996

## 19. Diving Equipment

- a) First Stage..... Scubapro MK10..... 1991
- b) Second Stage ..... Scubapro R180..... 1991
- c) Octopus ..... Scubapro R380..... 1991
- d) BCD ..... Mares Vector 1000..... 1991
- e) Bottle..... 12 Lit 200 Bar..... 1992
- f) Bottle Valve..... Spiro..... 1992

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## 20. Principles of Operation

- a) Battery charging, operation
  - i. There are three separate battery banks
    - 1. House Batteries (two in parallel)
    - 2. Engine Start Battery
    - 3. Bow Thrust Battery
  - ii. There are 3 charging sources:
    - 1. Engine Alternator 110 Amps
    - 2. Solar Max 16 Amps Normal 6-8 Amps
    - 3. Shore Power 40 Amps
    - 4. The source with the highest voltage has the highest priority to charge
      - a. first the house batteries are charged and when they have reached 14.0 V the
      - b. Start battery is charged, and when it have reached 14.0 V the
      - c. Bow thruster/Windlass battery is charged.
- b) Water heater and Water Heating System (Central Heating).
  - i. If the handle of the Selector Valve is vertical.
    - 1. The Diesel Heater heats only the Warm Water Heater.
  - ii. If the handle of the Selector Valve is horizontal.
    - 1. The Diesel Heater heats both the Central Heating System Radiators and the Warm Water Heater.

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## 21. For the winter

- a) Anti Freeze Protect the Engine ..... □
  - i. Open the Sea Cook
  - ii. Remove the cover of the sea water filter
  - iii. Start the engine
  - iv. Fill approx 13-15 liter of 50/50 Anti Freeze Fluid in to the sea water filter cup
    - 1. Make sure that the hole system is flushed, check at exhaust that it comes anti freeze
  - v. When engine is stopped, remove the rubber impeller from the sea water pump
- b) Anti-Freeze Protect the Lavatories ..... □
  - i. Make sure the respective septic tank is empty
  - ii. Flush the lavatory
  - iii. Fill approx 3 liter of 50/50 Anti Freeze into the bowl
  - iv. Flush the lavatory
  - v. Work the manual tank pump until you are convinced that it is purged with anti-freeze
- c) Drain the Potable Water System ..... □
  - i. Make sure the Pump ON/OFF Switch is in the OFF Position
  - ii. Open the Valve Bay no 1 Floor Panel (see overview drawing)
    - 1. Remove the Raymarine Speed Transducer (make sure the safety flap is on the open position)
    - 2. Open all 3 tank valves
    - 3. Remove the end cap (water flows overboard via the speed transducer fitting)
  - iii. Open all 3 water faucets
  - iv. Open the Drain Valve on the Water Heater
    - 1. Allow it to gravity drain and then
    - 2. Use the fluid vacuum cleaner to completely drain the water heater
  - v. Gain access by removing the interior of the center cabinet, below the kitchen sink.
    - 1. Remove the most port cap on the Pressure Manifold located adjacent to the Pressure Accumulator, gain access by removing the interior of the middle kitchen locker.
    - 2. Allow it to gravity drain into the Valve Bay No 2 and then
    - 3. Use the fluid vacuum cleaner to completely drain the manifold/system.
  - vi. Gain access by open the side door to the kitchen module
    - 1. Remove the Jabsco Aqua Filta Drinking Water Filter
    - 2. Remove the inlet and outlet hose on the Jabsco Pressure Pump