

## Aries Specifications:

- Shell:- Leeds & Liverpool 'Short' Boat style, with slipper stern.
- Dimensions:- 52ft by 12ft by 2ft 6" draught (approx) - 83% full size.
- Constructed by:- XR&D, 2010. Serial no. XRAD0342010
- Plate thicknesses:- 15:8:6:4
- Propulsion:- 1971 Petter PJ2WM 1620cc Di twin s/n MAR4390
- Power/torque:- 22½ bhp @ 2000 rpm / 63 ft lbs @ 1500 rpm
- Water cooling:- closed circuit via skin tank on the starboard swim
- Battery charging:- 120a alternator via Sterling Alternator to Battery Charger AB12160 to starter & domestic batteries.
- Gearbox:- PRM 160 VR 2:1 reduction gear type s/n 0504387F00272
- Propeller:- 19"x14" right hand rotation on 1½" shaft
- Stern Gland:- Brass with remote greaser 3/8" packing
- Bow Thruster:- Maxpower 12v 100kgf - 185mm tube
- Generator:- original removed - awaiting replacement
- Cookstove:- Dickinson Pacific diesel fired
- Electric Hob:- Miele twin Induction
- Central Heating:- Eberspacher D5W diesel boiler (type 25 1732 01) Serial no. 01 8800, or Braeaire AW20d mains Air Source Heat Pump (when shoreline available) to heat radiators and supplementary calorifier (heat store for under-floor heating).
- Saloon Heater:- 5 kw Bubble 1 diesel fired stove s/n B03131.
- Cabin Heater:- Refleks 62MK 'Window' stove with hotplate and fiddle rail
- Domestic Hot Water:- 2 x Vertical calorifiers (1 for galley, 1 for shower/WC)
- Heated by:- Propulsion engine, Eberspacher or heat pump
- Water tanks:- Twin, interconnected tanks constructed from food grade, medium density polyethylene, filled via brass fitting on foredeck (starboard side)  
Each tank has a capacity of 55 gallons (250 litres).
- Diesel tanks:- Twin, integral tanks, each estimated at 35 gallons (160 litres)
- Inverter/Charger:- Victron Phoenix MultiPlus 3 kw, with remote control  
230v AC out, shoreline in with galvanic isolator
- Solar Panels:- Pair with controller to trickle charge domestic battery bank
- Starter Battery:- Single 12v 70ah, 620 cca, flooded lead acid
- Domestic Bank:- 4 pairs of GF 6 180 V (6v VRLA) in series parallel 720ah
- Forward Bank:- 2 x 12v 85ah AGM fully sealed, deep cycle (in parallel)  
Charged by AC Sterling Pro Charge Ultra PCU 1230.