

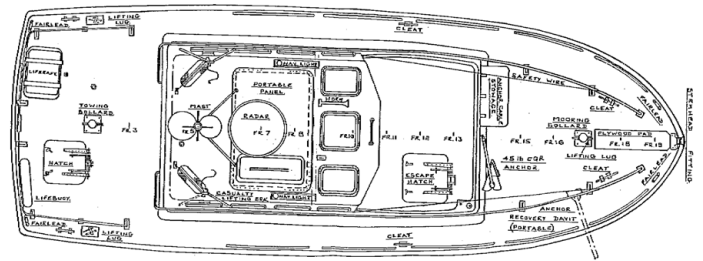
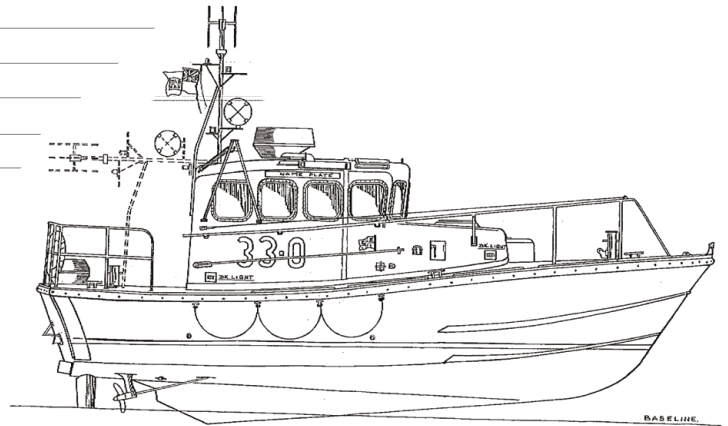


CLASS 1 VESSEL DATA SHEET

Vessel Names	Brede
Vessel Type	Utility Launch
Age of Hull	1983 (39 years)
Hull Type	Semi displacement
Last Refit	2012
Arrived in Mossel Bay	December 2012
Length	10 metres
Beam	3.7 metres
Draught	1.3 metres
Weight/Displacement	10 tonnes
Crew	4

ENGINES

Engine Type	Caterpillar 3208 Marine Diesel V8 Normal Aspirated 4 Stroke
Engine HP	210 HP per motor
Max RPM	2800 RPM
Max Speed/Cruising Speed	18 knots/10 knots
Fuel Capacity	1000 litres
Fuel Consumption per Motor at Max	42.5 l / hour / engine
Range & Max Range	140 nM
Cruising RPM	2400 RPM
Cruising Speed	12 knots
Engine Oil Type	15W40
Shaft Diameter	38 mm
Shaft Support	A-frame
Gearbox Type	Single reduction gearbox
Reduction Ratio	2:1
Oil Type	15W40
Electronically or Mechanically Activated	Mechanically through cable
Cutless Bearing Type	Nitrile Polymer Rubber
Prop Pitch & Diameter	2 x 20 inches
Prop Type	Brass, nickel and aluminium alloy
Number of Blades	4



STEERING SYSTEM

Steering Type	Hydraulic
Fluid Type	15W40
Working Pressure	20-30 psi