

## MEROPS – ON85291- Australian Registered Ship

Item	Details
Price	Price on Application
Vessel Name	MEROPS
Launch Year	1985
Length	LOA 42 ft (12.8 Metres)
Beam	11ft 6 inches (3.6 Metres)
Draft	7ft 3 inches (2.3 Metres)
Displacement	17 Tonne
Keel/Ballast	Full Length Keel with Cutaway Front and Keel Cooling
Location	Sydney, Australia
HIN Number	AUWWA196236FP8
Registration	AJT600N
Designer	Halvorsen
Builder	Michael Foley and Horst Diegnamm
Hull Material	Rolled Corten Steel over Corten Steel Frames every 3 Feet and Longitudinal Flat Bar Stringers 12 inches apart (very strong – ship) Epoxy Primed and Insulated below Waterline
Deck Material	Corten Steel plus Devcon Coating and Stainless Steel Stainless Steel Housing for Aft and Rear Cockpits
Engine	Lister Petter with Keel Cooling system All Spares and Manual Starter Motor recently rebuilt Engine Oil Changed and Serviced October 2020
Gearbox	Borg Warner Reduction Drive 2:1:1 and Velvet Drive

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<b>Propulsion</b>	Straight Shaft driving a 3 Blade Bronze Alloy Prop
<b>Steering</b>	Primary: Wheel Steering Aft Cockpit Emergency: Tiller off Steering Capstan Secondary: Full Balanced Rudder – with Below Deck Steering And Separate Emergency Tiller Steering Tertiary: Permanently Mounted Aries Windvane with own Balanced Rudder
<b>Fuel</b>	400 Litres in Aft Tank 600 Litres in Midship Tank 50 Litres in Day Tank
<b>Water</b>	1000 Litres in 3 Stainless Steel Tanks - Balanced and with Sea Cock Cross Feeds Gate Valves are Stainless steel
<b>Dinghy/Outboard</b>	De Havilland 3 Metre Aluminium 3 Seat Dinghy 5HP Suzuki 4 Stroke
<b>Covers</b>	Aft Cockpit ¾ Enclosed Covers Central Cockpit Cover
<b>Accommodation</b>	Starboard Quarter Berth (Sea Berth) Starboard 2.5 Metre Couch/Berth Port Navigation Station and Seating Port Aft/Midship Double Berth Port Dinette style Dining Area Table and 2 Bench Seats Amidships Port Fwd Double Berth Toilet and Shower in Bow
<b>Berths</b>	2 Doubles 2 Singles
<b>Toilet</b>	Electric TMC (new 2020) with area reserved to install Holding Tank
<b>Heater/Fans</b>	2 x Brand New Sirocco 24V Low Amp Oscillating Fans with Timers Rare Wick Drip Perkins Diesel Heater with integrated Feed and Custom Built Chimney
<b>Galley</b>	Long Bench Shaped Galley.  Waist Height Stainless Steel Sinks and Prep Area  Stainless Steel Flu System  Internal Emergency Gas Shutoff Tap
<b>Refrigeration</b>	3 Way (Gas/12V/240V) Danfoss Fridge and Freezer  120 Litre Eutectic Fridge/Freezer - new belts and compressor installed Nov 2020 (requires new regulator)

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<b>Stove/Oven</b>	Roden 4 Burner Gas Stove and Oven and Grill Safety Starter system
<b>Hot Water</b>	Valiant Gas Standalone Hot Water System
<b>Ground Tackle</b>	1 x 65 Pound CQR Anchor 1 x Large Admiralty (Storm) Anchor 1 x Custom Stainless Steel Folding Danforth/Grapple Anchor 2 x 30M lengths of close link chain 1 x 100M 12mm Nylon Anchor Rope (new) 2 x separate Hawse pipes for setting independent anchors 1 x Custom Fully Geared Manual Anchor Winch with Power Supply for optional Motor 1 x Large Burke Seabrake plus new Rope and Chain 5 x Large Stainless Steel Bollards Welded into Hull for secure tie off
<b>Safety Gear</b>	All safety gear including Flares, Life Jackets for 4 Adults, Life Ring, Danbuoy, Safety Harnesses, 2 x EPIRBS, V Sheet, Emergency MOB LED Strobe Buoys Recessed Stainless steel Steps and Handholds Port and Starboard, down to and under the waterline (see pics)
<b>Bilge Pumps</b>	2 x 24V 5000 ltr/hr (Fishing Trawler grade) Ruhle Bilge Pumps. One with Float Switch. One without. Plus 2 Spares and 12V Bilge Pump for Emergency. And 2 Hand Bilge Pumps. Spare Whale Hand Bilge Pump and Hose Self Draining Cockpits – Aft and Midship
<b>Electrics</b>	Dual system of 24 Volt and 12 Volt 240 Volt Shorepower with polarity switch for use in Foreign Ports 24V and 12V Alternators 200W 24 Volt Solar Panel with Smart Charger/Regulator Aerogen 24 Volt Wind Generator 120W 12 Volt Solar Panel with MPPT Smart Charger 12V LED Lighting with optional Red Night Light settings and 24V Lighting throughout  2 Separate Battery Banks One for 12V System and Starter Another for 24V System  Each Bank has 2 x 130aH AGM Deep Cycle Marine Batteries The first bank is wired for 12 Volt – for Starting and Isolator Switch for all Internal LEDs and Accessories and Backup GPS and Radio  The second bank is wired in 24Volts for Primary Navigation Equipment, Radar (for a lower voltage drop on high amp usage equipment)  12 Volt Battery Bank NEW Nov 2020 24 Volt Battery Bank NEW April 2020

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<b>Electronics/Navigation</b>	<p>Navigation:  Furuno 24V 72nM Open Array Radar on Power Tower  Furuno Navnet C-Map 111 Chartplotter with integrated Radar (Colour Display Unit)  Furuno GP33 GPS Navigator linked to AP4 Coursemaster Autopilot (with Hydraulic Ram Drive)  Radar Reflector</p> <p>Radios:  GME VHF DSC Mounted Radio with External Speaker + Mic  Uniden Handheld VHF  Furuno HF Marine Radio with automatic attenuator (Antenna tuner)</p> <p>Backup Radios:  Wagner HF Marine Radio with Manual Tuner and Preset Emergency Voice Calling Frequencies</p> <p>Other:  Raymarine Depth Gauge in Cockpit (installed 2017)  Ultra-Heavy Duty Power Tower for All aerials, antennas, solar panel, and other electrics/electronic sensors and Nav lights, to save going up the mast.</p> <p>Analog Navigation:  Cestrel Mounted Binnacle Master Compass on Helm  Internal Rubber Mounted Compass inside Companionway</p>
<b>Sail Inventory</b>	Rolly Tasker Sails. Main, MPS Gennaker, Storm Main, Storm Headsail, Staysail, Hank on Jib, Storm Trisail, Headsail/Furling Genoa on Roller Furler (being replaced with New/Used in 2021). 2 x Spinnaker Poles on Custom mounts
<b>Mast/Rigging</b>	Cutter Rigged. All 1 x 19 Stainless Steel rigging wire. No sign of rust. Age unknown. 4 x Arco Winches 2 x Malcolm Barlow Custom Silverstone 77 Winches on Mast Alloy Mast and Boom Allmast Roller Furling system fitted to Genoa All running rigging, pulleys, etc in good condition See survey for details
<b>Deck Gear</b>	All in good condition Stainless Steel Permanent Rope Storage Box Central Cockpit Hatches good condition
<b>Remarks</b>	Corten Steel – means no rust problems It is 40% stronger than regular Mild Steel, and lighter, and employs the process of having a thin veneer of oxidization, such as Aluminium...that prevents rust  Ice Breaker (Crusher) Bow design  Custom Geared Anchor Winch with Power installed for adapting to a powered winch

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	<p>All Stanchions/Granny Bars/Fittings custom made – hand engineered and welded to make them super strong for Antarctic Conditions</p> <p>2 x Winches on the Mast – hand made by Malcolm Barlow in the 1960s especially for the Halvorsen brothers – and are from the ORIGINAL Freya (the 3 time Sydney to Hobart winner) - made from a Bronze/Aluminium Alloy to last forever. Magnus Halvorsen said they were the strongest winches he had ever seen, and never needed maintaining. These are referred to in the Maritim Museum. Only 6 were ever made. These are 2 of those 6.</p> <p>Recessed Portholes Midships – can be opened for cross-ventilation</p> <p>All Deck Hatches are 20mm Perspex, with Stainless Steel Housing. Portholes and Companionway Doors are Armoured Glass</p> <p>Oversized Dorade box for ventilation</p> <p>No Condensation under all conditions</p> <p>Insulated Hull</p> <p>Handholds strategically placed everywhere</p> <p>Rare Diesel Drip-wick Heater (Trawler style)</p> <p>Custom Stainless Steel Detachable Chimney</p> <p>Keel Cooling – reduces risk of salt water contamination or fouling through foreign objects such as plastic bags</p> <p>Oversized Heavy Duty Custom Built Stainless Steel Sea Cocks</p> <p>Recessed Steps (and Handholds) down to and under the waterline on Port and Starboard sides – to ensure one can ALWAYS get back on the boat. Very handy for alighting from or entering a Dinghy.</p> <p>Lots of Spares, Accessories, and Paper Maps. Too many to list here.</p>

