

9m Harbour Patrol Craft



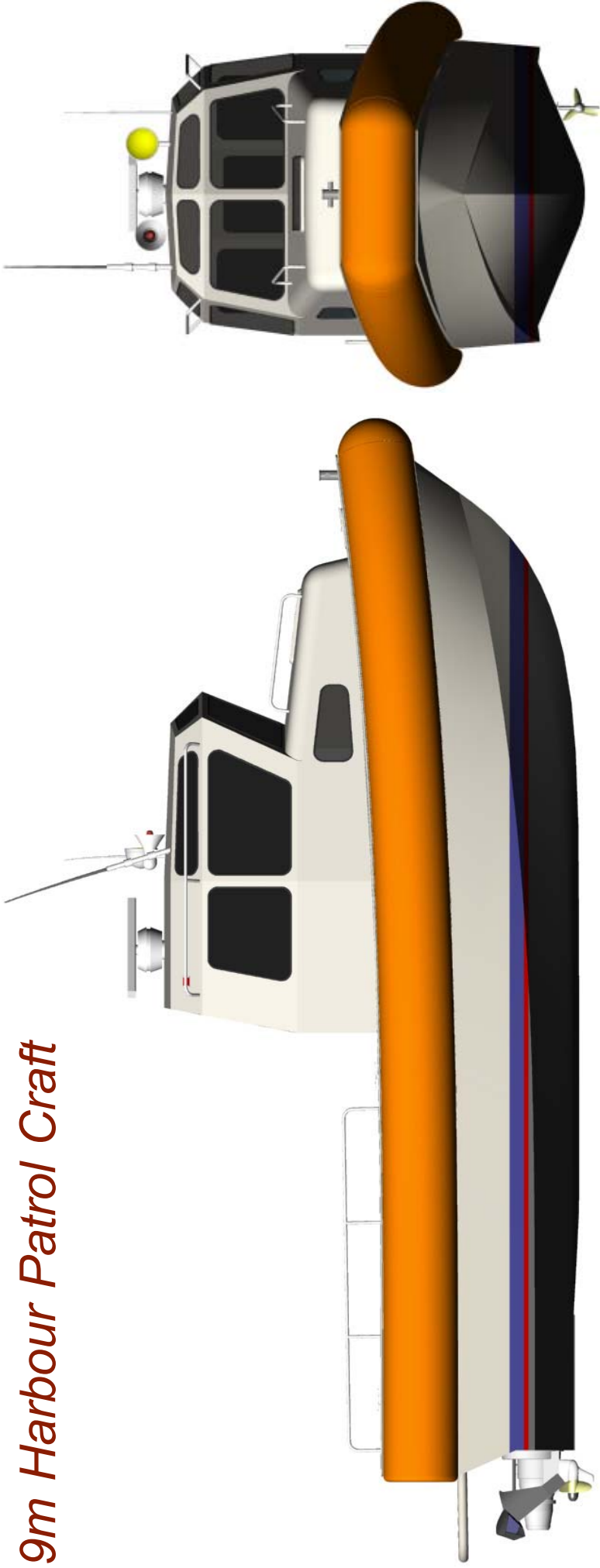
Mark Williamson Design

48 Sweetgum St, Ashmore Qld 4214, Australia

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9m Harbour Patrol Craft



LOA : 9.0m
LWL : 7.1m
Beam : 3.0m
Draft : 0.45m
Fuel : 2 x 500lbs
Power : 1 x 309kW
Speed : 36.4 knots
Aft Deck: 6.8sqm

Classification :

DNV ✕1A1 HSLC R3 PATROL

Construction :

Marine Grade Aluminium



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Vessel Description

9m Harbour Patrol Craft

VESSEL TYPE: High Speed Aluminium planing monohull

PPRINCIPAL DATA:

Length Overall	9.0 metres
Length WL	7.1 metres
Beam	3.0 metres
Draft	0.45 metres
Construction	Marine Grade Aluminium
Class Standard	DNV ✕1A1 HSLC R3 PATROL
Survey	USL 2B
Main Engines	YANMAR 6LY2A-STP 309kW @ 3300rpm
Gearbox	ZF280
Propulsion	Hamilton Waterjet HJ274
Auxiliary	7kW Yanmar
Loiter Propulsion	Whisper Boat Electric Propulsion System Permanent magnet "Pancake" Motor, 48V 8.8kW
Maximum Speed	36.4 knots
Loiter Speed	5 knots
Fuel Capacity	2 x 500 litres
Freshwater	200 litres
Crew	2
Personnel Capacity	10

STRUCTURE:

Materials (to be inspected as required by Survey Authority and Owners Representative):

Sheet and Plate - Grade 5083-H321, H116, 5086-H32. Extrusions - Grade 6061-T6, 6082-T5

Plating: Bottom : 5mm Chine : 8mm Transom : 5mm Side, Collar : 4mm
Deck, Gunwale : 4mm Deckhouse : 3mm

OUTFIT AND FINISHING:

The vessel shall be laid out as per the general arrangement drawings and all fittings and equipment required for the operation of the vessel shall be supplied.

Layout: Main Deck: Operations Room, Work Deck
Fwd Cabin: Galley , Single Berth, Toilet, Shower
Fitout: Floors: "Aquadeck"
Lining's: FRP

Noise Levels

The noise level at the centre of the wheelhouse shall not exceed 65 dB(A).

AIR CONDITIONING SYSTEM:

Reverse cycle system is based on an water cooled compressor unit linked up to a multiple number of fan coil units. Design of the system shall be based upon an ambient operating temperature of 40°C (95% RH) and sea water of 32°C. Crew spaces to be cooled/heated to 21°C (50% RH).

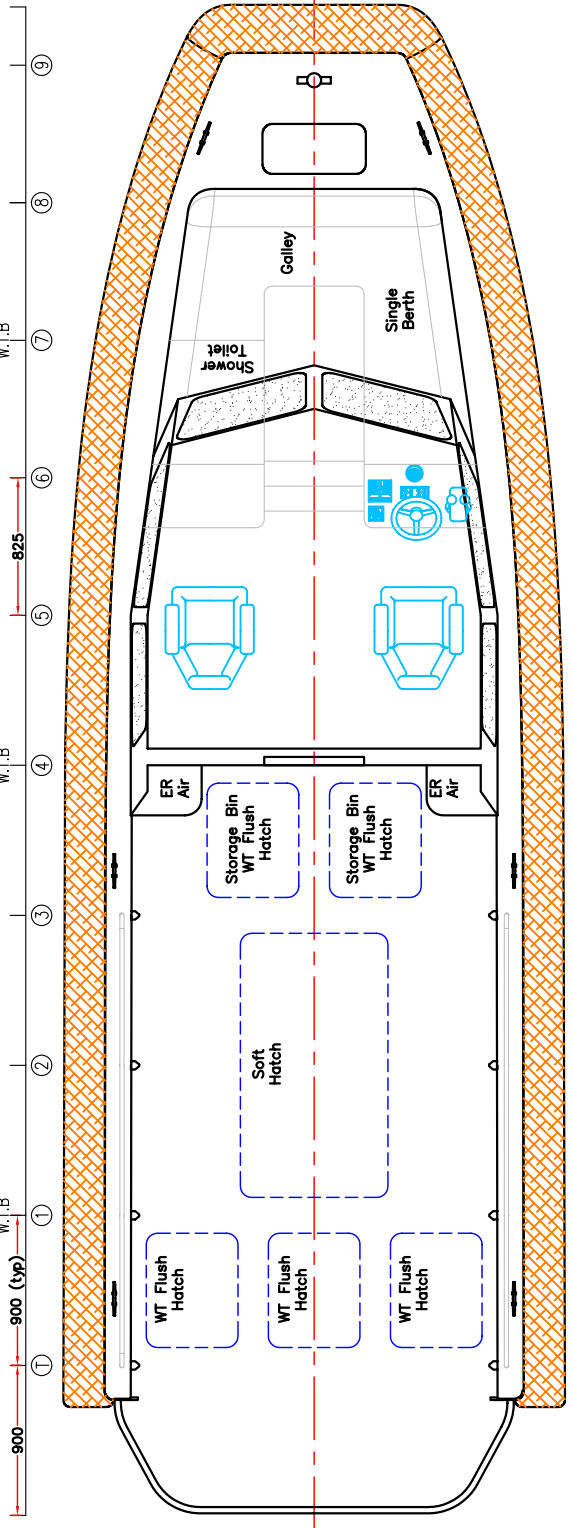
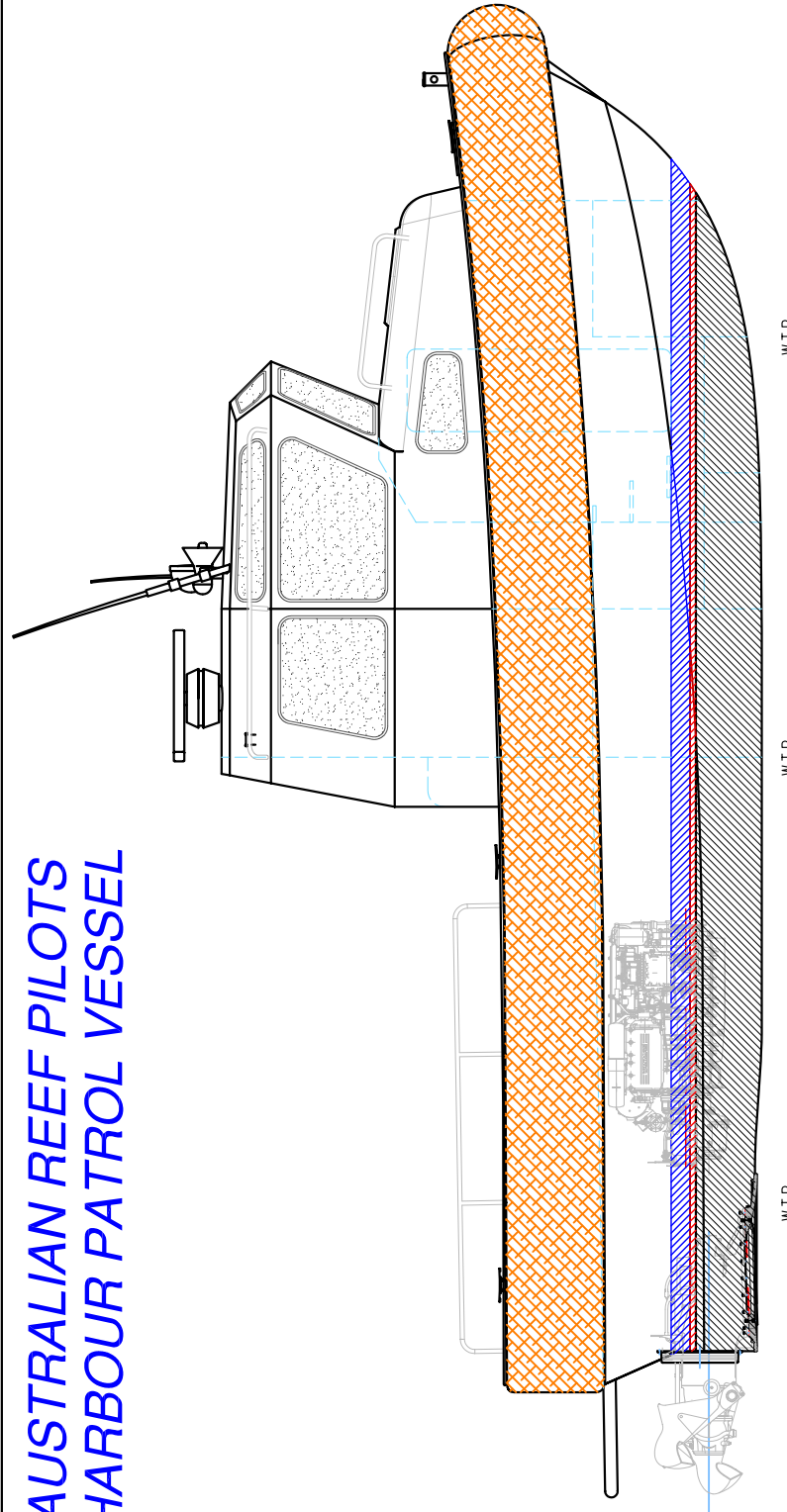
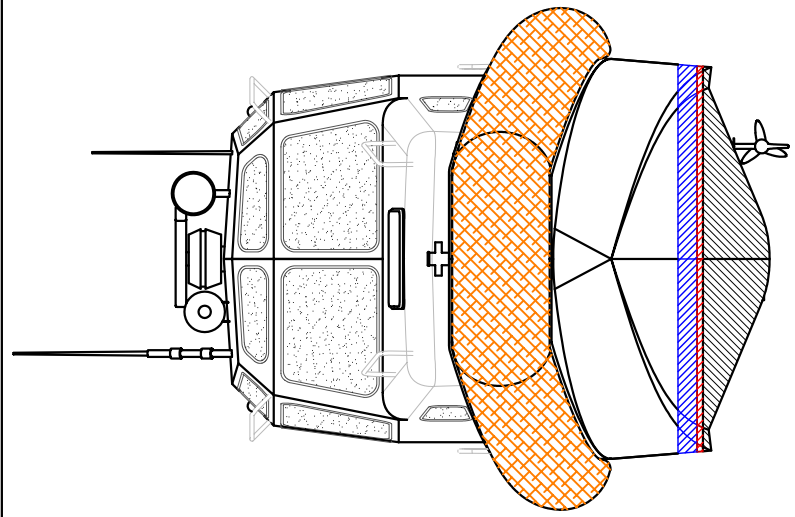
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AUSTRALIAN REEF PILOTS HARBOUR PATROL VESSEL



PRINCIPAL PARTICULARS

LOA: 9.0m
 LWL: 7.1m
 BEAM: 3.0m
 DRAFT: 0.45m
 MAIN ENGINE: YANMAR 6LY2-STE
 309kW @3300rpm
 PROPULSION: HJ274
 FUEL: 2 x 500lts
 SPEED: 36.4knots
 AFT DECK: 6.8sqm

CLASS STANDARD:
 DNV 1A1 HSLC R3 PATROL
 SURVEY: USL 2B

CONSTRUCTION:
 MARINE GRADE ALUMINIUM

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9m HARBOUR PATROL
TITLE: GENERAL ARRANGEMENT
DWG No: HP9-100 SCALE:
DATE: 16/7/2004 DRAWN: MDW