

HOLDFAST V



REFINED HIGH-SPEED LOBSTER BOAT FOR WESTERN AUSTRALIA

Dongara Marine has delivered Australia's largest capacity high-speed lobster boat, the 26-metre *Holdfast*.

With overall and measured lengths of 25.95 metres and 23.95 metres respectively, the new Southerly Designs monohull shares its hullform with last year's *Daydawn*. Owner Bruce Cockman sees their boat as evolutionary and rather than revolutionary.

Compared to *Daydawn*, the wheelhouse on *Holdfast* extends further aft to provide more protection for the crew when working at the pot hauler, tipper and main cray tanks. This design change also results in a larger flybridge.

Within the wheelhouse, the port side helm station reflects the increasing levels of technology available to fishermen. Although Bruce says they "kept the electronics simple", the console is dominated by displays rather than steering and throttle controls (which consist of a joystick and levers respectively).

Two large (42-inch) flat screen multi-function displays enable the skipper to access information of a variety types and sources. These include navigation information from the MaxSea system, Furuno radar, and Furuno AIS; vessel monitoring through CCTV; and

data directly supporting fishing including that from the Smart Catch system and the WASSP multi-beam sonar system. Also fitted are a Furuno 1150 sounder and Simrad AP70 autopilot.

Also drawing power from the boat's two Yanmar 25kVA gensets are arrays of external lights. This includes a huge bank of forward facing LED stadium floodlights, deck lights, as well as underwater lights. All the navigation lights are Hella.

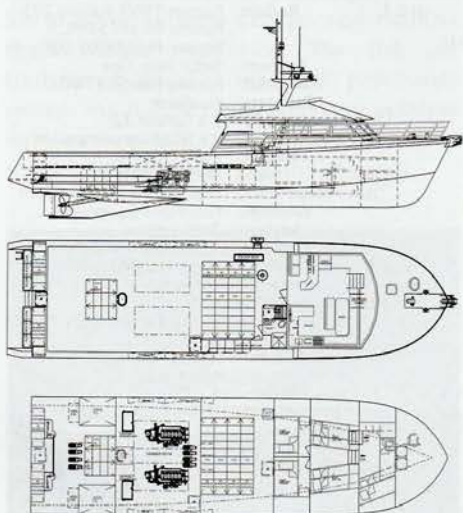
Having had electronically controlled engines in previous boats, the Cockmans were attracted to the simplicity of Yanmar's mechanically controlled 6AYM-WGT main diesels. Each of the two engines is rated to 680kW, giving a cruise speed of 18.5 knots, exceeding the expected 17 knots, and a top speed of 23.5 knots. The boat's five-bladed, 99cm Teignbridge propellers are driven via ZF 2000 gearboxes.

The twin props, built dual pintle hung rudders, and a Side Thrust tunnel bowthruster provide excellent manoeuvring capabilities at all speeds.

While home ported in Port Denison, *Holdfast* is capable of fishing the length of the west coast, and has capacity for 210 baskets or 6.2 tonnes of live lobster.

It has tanks for 8,000 litres of fuel, ensuring a range of 600 nautical miles, and is in NSCV 2B survey for operations up to 200 nautical miles offshore with as many as 12 people onboard. Combined with the huge work deck, this provides flexibility to take on other roles, such as offshore support, in the future or when the quota allocation has been exhausted.

The below decks accommodation includes a three berth cabin forward, aft of which is a four berth cabin, plus one double (actually queen) cabin and a cabin with two single berths. Dongara Marine ensured that all the wheelhouse and accommodation areas are very quiet, with 71db at full throttle being the result, and of course lower at cruising revs. Noise is very tiring on boats, so a great deal of effort was expended to achieve this result.



Holdfast V

SPECIFICATIONS

Type of vessel:	Lobster boat
In survey to:	NSCV 2B, #b
Home port:	Port Denison, Australia
Owner:	Cockman Family, Australia
Operator:	Bruce and Jeff Cockman, Australia
Designer:	Southerly Designs, Australia
Builder:	Dongara Marine, Australia
Hull construction material:	Aluminium
Superstructure construction material:	Infused Composites
Deck construction material:	Aluminium
Length overall:	26 metres
Length, measured:	23.95 metres
Beam:	6.8 metres
Draught:	2.0 metres
Displacement:	80t (loaded); 47t (light)
Main engines:	2 x Yanmar 6AYM-WGT, each 680kW
Gearboxes:	2 x ZF 2000
Propulsion:	Twin-screw Teinbridge props
Gensets:	2 x Yanmar, each 25kVa
Thruster:	Side Thrust bow thruster
Steering:	Twin Pintle hung rudders
Maximum speed:	23.5 knots
Cruising speed:	18.5 knots
Range:	600nm
Electronics supplied by:	Geraldton Marine Electronics
Radar:	Furuno
Depth sounder:	Furuno 1150
Sonar:	WASP
Autopilot:	Simrad AP70
Plotters:	Max-C and Smart Catch
AIS:	Furuno
Winches:	Hamilton Engineering anchor winch
Air conditioning:	Webasto watercooled air con
Fish hold capacity:	6.2t live lobsters
Paints/coatings:	International Awlcraft 2000
Windows:	Windows West
Hydraulics:	Offshore Hydraulic Services
Lighting:	Hella
Fuel capacity:	8,000L
Fuel consumption:	120L/hr/engine
Freshwater capacity:	@1,800rpm 800L
Crew:	2+10