



## About the vessel

The Mermaid Strait was purpose built to be an offtake support vessel. With its diesel electric propulsion, 69t bollard pull the vessel, is one of MMA's strongest performing Azimuth Stern Drive AHT vessels in the fleet.

The Mermaid Strait has been on continuous hire since its delivery in 2012 to Woodside, providing FPSO offtake support services on the North West Shelf of Western Australia.

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## Mermaid Strait

Anchor Handling Tug



General		Dimensions	
Official No	860134	LOA	52.35 m
Call Sign	VJN3713	Breadth - moulded	14.6 m
IMO No	9616216	Depth - moulded	6.25 m
Year Built	2012	Draft	5.3 m (incl. Skeg)
Port of Registry	Dampier	GRT	1,344 T
Flag	Australia	NRT	403 T
Class	American Bureau of Shipping	Deadweight	979 T
Notation	*A1, Towing Vessel, (Fire Fighting Capability), Offshore Support Vessel AH, (E), *AMS, *ACCU, *DPS-1, ENVIRO, GP	Free Deck Area	260 m <sup>2</sup>
		Deck Strength	5 T/m <sup>2</sup>

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A PERFECT DAY EVERY DAY



# Mermaid Strait

## Anchor Handling Tug



### Performance

BHP	BHP	7,342
Total kW	kW	5,475
Speed - Maximum	Knots	12.5
Speed - Economical	Knots	8.5
Bollard Pull	T	69

### Tank Capacity

Fuel Oil	m <sup>3</sup>	587
Fresh Water	m <sup>3</sup>	283
Foam	m <sup>3</sup>	1
Ballast Water	m <sup>3</sup>	634.6

### Discharge Rates

Fuel Oil	110 m <sup>3</sup> /hr @ 60 m head
Fresh Water	120 m <sup>3</sup> /hr @ 60 m head
Ballast / Drill Water	120 m <sup>3</sup> /hr @ 60 m head
Potable Water	120 m <sup>3</sup> /hr @ 60 m head
Dry Bulk	NA
Liquid Mud / Brine	NA
Dispersant	NA

### Machinery / Propulsion

Main Engines	3 x 1,825 kW Caterpillar 3516B Diesel Electric
Bow Thruster	1 x 550 kW Schottel STT2
Harbour Generator	1x 250 kW Caterpillar CP9
Generator	NA
Emergency Generator	1 x 40 kW Caterpillar Generator
Propulsion	2 x 2,000 kW Schottel SRP 1515 FP, Azimuth

### Deck Equipment

Crane	1 x 1.58 T @ 10.2 m, HIAB TH2.CC.19.0
Capstan	2 x 8 tonne Plimsoll Vertical Hydraulic Capstan
Towing Winch	1 x Plimsoll Double Drum Waterfall - Upper Drum
Capacity	52 mm x 800 m @ 10 layers
Wire Capacity	70 T x 0.85 m/min (low); 15 T @ 0.4 m/min (high)
Brake Holding	200 T (1st layer, static)
Anchor Handling Winch	1 x Plimsoll Double Drum Waterfall - Lower Drum
Capacity	52 mm x 800 m @ 10 layers
Wire Capacity	70 T x 0.85 m/min (low); 15 T @ 0.4 m/min (high)
Brake Holding	200 T (1st layer, static)
Shark Jaw	1 x 200 tonne Cargotec hydraulic
Towing Pin	1 x 100 tonne Cargotec hydraulic
Tugger Winch	2 x 10 tonne Plimsoll
Wire Capacity	22 mm x 150 m
Brake Holding	20 T
Bow Winch	1 x Cargotec anchor windlass/towing winch Split Drum
Capacity	35 T
Wire Capacity	52 mm x 800 m SWR + 72 mm x 100 m syn. rope
Brake Holding	150 T
Stern Roller	Cargotec 3 m x 1.5 m (150 tonne capacity)
Deck Voltage & Sockets - Quantity & Voltage	2 x 440 V 60Hz 30A

### Fire Fighting Equipment

Fire Monitor	2
Total Capacity	2 x 600 m <sup>3</sup> /hr = 1200 m <sup>3</sup> /hr
Fire Pump	2
Total Capacity	120 m <sup>3</sup> /hr

### Rescue Equipment

FRC	1 x 15 person x Noreq 650 FRC
Rescue Zone	Yes
Dacon Scoop - Quantity	NA

### Dynamic Positioning

DP Model	DPS-1 Converteam
DGPS - Quantity	1
Joystick	Converteam

### Accommodation

Cabin (2 Berth)	Qty 11
Cabin (Single Berth)	2
Total Accommodation	24 Pax

### Communication Equipment

Navtex Receiver	Qty 1
AIS	1
Watch Alarm	1
SSB	1
Intercom	1
Inmarsat-C	2
EPIRB	2
GMDSS VHF Radio (MF/HF)	2 x VHF, 1 x MF/HF
GMDSS Handheld VHF	3
VSAT	1

### Navigation Equipment

Magnetic Compass	Qty 1
Gyro Compass c/w Autopilot	2 x Gyro compass, 1 x autopilot
GPS Navigator	1
Radar	2
Speed Log	1

### Specialist Equipment

Bow Fendering	Cylindrical rubber fendering
Pilot Disembarkation Stations	2
Daughter Craft	No
Oil Dispersant Boom	No
Sewage Treatment Unit	1 (MARPOL Compliant) + Holding Tank
Water Maker	5 m <sup>3</sup> /day

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