



About the vessel

The Mermaid Cove was purpose built to be an offtake support vessel. With its diesel electric propulsion, 70.3t bollard pull the vessel is one of MMA's strongest performing AHT vessels in the fleet.

The Mermaid Cove has been on continuous hire since its delivery in 2013 to BHP, providing FPSO offtake support services on the North West Shelf and Carnarvon Basin in Western Australia.

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Mermaid Cove

Anchor Handling Tug



General		Dimensions	
Official No	860419	LOA	52.35 m
Call Sign	VNJ4016	Breadth - moulded	14.6 m
IMO No	9644108	Depth - moulded	6.25 m
Year Built	2013	Draft	4.9 m
Port of Registry	Dampier	GRT	1,386 T
Flag	Australia	NRT	415 T
Class	American Bureau of Shipping	Deadweight	1,000 T
Notation	*A1, Towing Vessel, (Fire Fighting Capability), Offshore Support Vessel AH, (E), *AMS, *ACCU, *DPS-2, ENVIRO, GP	Free Deck Area	301 m ²
		Deck Strength	5 T/m ²



Mermaid Cove

Anchor Handling Tug



Performance

BHP	BHP	5,620
kW	kW	5,475
Speed - Maximum	Knots	12.5
Speed - Economical	Knots	11
Bollard Pull	T	70.3

Tank Capacity

Fuel Oil	m ³	592.5
Fresh Water	m ³	283
Foam	m ³	1.1
Ballast Water	m ³	634.8

Discharge Rates

Fuel Oil	120 m ³ /hr @ 30 m head
Fresh Water	100 m ³ / hr @ 30 m head
Ballast / Drill Water	NA
Potable Water	100 m ³ /hr @ 30 m head
Dry Bulk	NA
Liquid Mud / Brine	NA
Dispersant	54 m ³ / hr @ 60 m head

Machinery / Propulsion

Main Engines	3 x 1,825 kW Caterpillar 3516C
Bow Thruster	2 x 350 kW Schottel STT02
Harbour Generator	1 x 269 kW Caterpillar C9
Generator	NA
Emergency Generator	1 x 40 kW Caterpillar C4.4
Propulsion	2 x 2,000 kW Schottel SRP 1515 FP

Deck Equipment

Crane	1 x 2 T @ 14 m SORMEC M110/FB/5S
Capstan	2 x 8 tonne MG-HVC-08/450
Towing Winch	1 x MG-AHTW/WF-70/200 Double Drum Waterfall - Upper Drum
Capacity	70 T @ 8.5 m/min
Wire Capacity	52 mm x 800 m
Brake Holding	200 T
Anchor Handling Winch	1 x MG-AHTW/WF-70/200 Double Drum Waterfall - Upper Drum
Capacity	70 T @ 8.5 m/min
Wire Capacity	52 mm x 800 m
Brake Holding	200 T
Shark Jaw	1 x 200 tonne MG-SKJ-200-S
Towing Pin	1 x 100 tonne Cargotech SWL
Tugger Winch	2 x 10 tonne MG-HUW10UL-400
Wire Capacity	200 m x 22 m of 7 layers
Brake Holding	20 T
Bow Winch	1 x Split-Drum Type with Level Wind
Capacity	35 T at 6.5 m/min
Wire Capacity	52 mm x 800 m; 72 mm x 100 m
Brake Holding	150 T
Stern Roller	Cargotec 3 m x 1.5 m (150 tonne capacity)
Deck Voltage & Sockets - Quantity & Voltage	4 x 440 V 3 phase, 4 x 220/240 V single phase

Fire Fighting Equipment

Fifi Class	NA
Fire Monitor	2
Total Capacity	2 x 600 m ³ /hr = 1,200 m ³ /hr
Fire Pump	2
Total Capacity	35 m ³ /hr

Rescue Equipment

FRC	1 x 13 person Noreq AS 650 FRC
Rescue Zone	Yes
Dacon Scoop - Quantity	1 x (6 m x 9.5 m)

Dynamic Positioning

DP Model	DPS-2 Convertteam
DGPS - Quantity	2
Joystick	Convertteam

Accommodation

Cabin (4 Berth)	Qty Nil
Cabin (2 Berth)	10
Cabin (Single Berth)	2
Total Accommodation	22 Pax

Communication Equipment

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

Navigation Equipment

Magnetic Compass	Qty 1
Gyro Compass c/w Autopilot	1
GPS Navigator	1 - Furuno GP150
Radar	2
Speed Log	1 - Furuno DS80

Specialist Equipment

Bow Fendering	Cylindrical rubber fendering
Pilot Disembarkation Stations	2 (One on each side)
Daughter Craft	1 x 10 m twin diesel jet FRC aluminium hull
Oil Dispersant Boom	NA
Sewage Treatment Unit	1 MARPOL Compliant + Holding Tank
Water Maker	3,500 litres/day

TRANSFORMING THE WAY MARINE SERVICES ARE DELIVERED