



**MMA**  
**OFFSHORE**

Endeavour Shed, 1 Mews Road  
FREMANTLE WA 6160  
T: +61 8 9431 7431  
F: +61 8 9431 7432  
www.mmaoffshore.com

# JAYA DEFENDER

## AHTS



<b>PARTICULARS</b>	
Vessel Type	Anchor Handling Tug Supply
IMO Number	9556765
Port of Registry	Singapore
Year Built	2009
Classification	✳ ABS + A1E, Towing Vessel, Fi-Fi Vessel Class 1, Offshore Support Vessel AH+AMS, DPS-2
<b>DETAILS</b>	
Length Overall	72.45m
Breadth	17.0m
GRT-NRT	2,893/864
Deadweight	2,475t
Depth Moulded	7.50m
Maximum draft	6.10m
Clear deck Space	500m <sup>2</sup> Approx (L=36 m x W=14 m)
Deck loading	600 MT
Max Speed	14.55kts
Economical speed	11.0kts
Bollard Pull tonnes	129 MT
Sewage Plant	1 x 40 men/day
Rudders	2 x High lift
Joystick	Kongsberg
Flow Meter	Fitted
<b>CAPACITY</b>	
Fuel Oil	1,390m <sup>3</sup>
Potable Water	400m <sup>3</sup>
Drill Water	400m <sup>3</sup>
Oil Based Mud	670m <sup>3</sup>
Dispersant	39.5m <sup>3</sup>
Dry Bulk	200m <sup>3</sup>

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Foam	20m <sup>3</sup>
<b>PUMPING RATES</b>	
Fuel Oil	1 x 200m <sup>3</sup> /hr @ 90m head
Potable Water	1 x 120m <sup>3</sup> /hr @ 75m head
Drill Water	1 x 120m <sup>3</sup> /hr @ 75m head
Oil Based Mud	2 x 75m <sup>3</sup> /h @ 90m head (SG 2.5) (24 bar); Netzsch
Dry Bulk	2 x 20m <sup>3</sup> /hr
<b>MACHINERY</b>	
Main Engines	2 x Caterpillar MaK 9 M 25 4,000kW
Generators	2 x Caterpillar 3408 DITA 370kW
Emergency Generators	1 x CAT C4.4 @ 1800 rpm, rated at 58 kW/440 V/60 Hz/3 Ph
Bow Thruster	2 x 680kW electric-driven Kawasaki KT-88B3 Tunnel Type
Propulsion	2 x CPP
<b>ACCOMMODATION</b>	
Berths	8x1, 17x2
Total	42
<b>FIRE FIGHTING</b>	
Class	1
Monitors	1 x 1,200 m <sup>3</sup> /h
Pumps	2 x 1,754 m <sup>3</sup> /h
<b>DECK EQUIPMENT</b>	
<b>Towing Winch</b>	
Type	Electro-hydraulic Double Drum AHTW; Brattvaag waterfall
Pull	300 mt @ 10.2 m/min at 1st layer
Brake Holding	450 mt static @ 1st layer (towing/anchor handling)
Wire Capacity	76mm x 1,500m
<b>Anchor Handling Winch</b>	
Type	Electro-hydraulic Double Drum AHTW; Brattvaag waterfall
Pull	N/A
Brake Holding	450 mt static @ 1st layer (towing/anchor handling)
Wire Capacity	76mm x 1,500m
<b>Tugger Winch</b>	
Number & Capacity	2 x 10t Electro-hydraulic HUW
Wire Capacity	22mm x 250m
<b>Other Deck Equipment</b>	
Storage Drum	Electro-hydraulic, 76 mm x 2,000m
Towing Pins	2 x Electro-hydraulic with turntable top flaps
Shark Jaws	1 x 300t Karmfork
Stern Roller	1 x 500t 4.5m x 2.0m Electro-hydraulic
Crane	1 x 5t, Hydraulic knuckle jib crane
Deck Voltage & Sockets	2 x 415V, 2 x 220V
Water Maker	1 x 5m <sup>3</sup> /day reverse osmosis

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<b>LIFESAVING</b>	
Liferafts	6 x 25 men
Lifejackets	56
FRC/Rescue Boat/Davit	1 x SC45KR
Lifebuoys	8
Immersion Suits	48