

**JAYA HOLDINGS LTD**

No.13 Tuas Crescent, Singapore 638707.
Tel: +65 62651010 Fax: +65 68645555
Email: jaya@jayaholdings.com



HULL 855

10,880 BHP (8000 kw) Anchor Handling/Supply Vessel (DPS2)

PRINCIPAL PARTICULARS

Length Overall	70.00 m
Length Waterline	66.80 m
Breadth Moulded	16.80 m
Depth Moulded	7.50 m
Draft (max)	6.10 m
Built	Singapore
GRT / NRT	2690 / 810
Class	ABS
Notation	A1E Offshore Support Vessel, Fire Fighting Class 1 + AMS + DPS2
Flag	Singapore
Call Sign	TBA

PERFORMANCE

Maximum Speed	14 knots (estimated)
Type of Fuel	Marine Gas Oil
Fuel Consumption	40 m ³ /24 hours @ full load (estimated)
Bollard Pull	125 mton static (estimated)

CARGO CAPACITIES

Deadweight	2,000 mtons @ 6.1m draft
Deck Cargo	800 mtons
Deck Strength	7.5 mt/m ² uniform loading
Clear Deck Area	450 m ²
Fuel Oil	1260 m ³
Fresh Water	360 m ³
Ballast/Drill Water	510 m ³
Liquid Mud	490 m ³
Base Oil	110 m ³
Bulk Cement	226 m ³ (4 x 2000 ft ³)
Foam / Detergent	21 m ³ / 21 m ³
Rig Chain Locker	70 m ³ each side

PUMPS

Fuel Oil	1 x 200 m ³ /hr @ 9 bar; Houttuin
Fresh Water	1 x 120 m ³ /hr @ 9 bar; Allweiler
Drill Water	1 x 150 m ³ /hr @ 9 bar; Allweiler
Liquid Mud	2 x 75 m ³ /hr @ 24 bar; Allweiler
Base Oil	1 x 60 m ³ /hr @ 90m head; Houttuin
Bulk Cement	2 x 20 m ³ /min @ 80 psi compressors; Airman

PROPULSION SYSTEM

Main Engines	2 x 4000 kw (5440 BHP) @ 750 rpm Wartsila 8L32
Main Generators	2 x 410 kw @ 1800 rpm Caterpillar 3408 DITA c/w Stamford HCM534D1 rated at 370 ekw/440 V/3 Ph/60 Hz
Emergency Generator	1 x 72 ekw @ 1800 rpm Caterpillar 3054 DIT c/w Leroy Somer LL2014 rated at 60 kw/440 V/3 Ph/60 Hz
Shaft Alternator	2 x 2300 kw @ 1800 rpm ABB 440V/3 Ph/60 Hz
Bow Thruster	2 x 680 kw electric-driven Kawasaki KT-88B3 tunnel type (CPP); 10T thrust
Stern Thruster	1 x 680 kw electric-driven Kawasaki KT-88B3 tunnel type (CPP); 10T thrust
Steering Gear	1 set Wagner LA2 9.1-45-CB2; 9TM; 45 deg
Propulsion	2 x CPP in Kort Nozzles; Wartsila Lips
Rudders	2 x Becker Rudder; S-A 2050/243 F2

DECK EQUIPMENT

Anchor Windlass	1 x electro-hydraulic Brattvaag LBFMG 63046
Drum	suit' for 230 m (L) x 60 mm (Ø) P/P rope rated pull 17 mt @ 0-15 m/min @ 1st layer
Gypsies	suit' for 46 mm (Ø) chains rated pull 13 mt @ 0 - 18 m/min
Warping Drum	500 mm (Ø) x 500 mm (L) rated pull 13 mt @ 0-18 m/min
Bow Anchors	2 x 1980 kg anchors AC14
Chains	467.5 m (L) x 46 mm (Ø) total
Capstan	2 x 10 mt @ 0-25 m/min electro-hydraulic Brattvaag CM4110
Tugger Winch	2 x 10 mt @ 0-24 m/min electro-hydraulic Brattvaag AKM4110
Towing/AH Winch	1 x electro-hydraulic double drum Brattvaag SL300W / BSL300W
Upper Drum Cap (Tow)	2000 m (L) x 76 mm (Ø) SWR
Lower Drum Cap (AH)	2000 m (L) x 76 mm (Ø) SWR
Line Pull (2 drive units)	300 mt @ 0-10.2 m/min @ 1st layer (4 pumps) 300 mt @ 0-7.0 m/min @ 1st layer (2 pumps)

Stall Pull	TBA
Line Pull (1 drive unit)	150 mt @ 0-10.2 m/min @ 1st layer (2 pumps) 150 mt @ 0-7.0 m/min @ 1st layer (1 pump) 81 mt @ 0-15.5 m/min @ 1st layer (2 pumps) 81 mt @ 0-10.6 m/min @ 1st layer (1 pump)
Stall Pull	TBA
Brake Capacity	450 mt static @ 1st layer for both drums Remote control from aft control stand in wheelhouse
Gypsies	suit' for 89 mm chains
Warping Drums	Nil
Stern Roller	4.50 m (L) x 2.30 m (Ø); SWL 500 mt
Shark Jaws	1 set electro-hydraulic Karmfork SWL 300 mt
Tow Pins	2 x electro-hydraulic with flaps
Rope Reel	3 x Brattvaag ALM6307 suit' for 2000 m (L) x 76 mm (Ø) SWR
Deck Crane	1 x 2.2T @ 12.2m / 5.9T @ 6m marine crane; North American MCT1040

ACCOMMODATION

Crew	10 x 1 berth cabins = 10
	15 x 2 berth cabins = 30
Total	40
Hospital	1 x 1 berth cabin = 1
All cabins fully air-conditioned & c/w attached washroom	

RADIO AND NAVIGATION EQUIPMENT

GMDSS	Furuno RC-1800T (Area 3) comprising
	SSB 1x Furuno FS-2570 with built-in DSC
	Inmarsat C 1 x Furuno Felcom 15
	VHF Radio 2 x Furuno FM 8500 with built-in DSC
	Navtex Receiver 1 x Furuno NX 700
	SART 2 x McMurdo S4 (9GHz)
	EPIRB 1 x McMurdo E3A (406 MHz)
	Portable VHF Radios 3 x McMurdo R2
Radars	1 x Furuno FR 2115 (X Band) ARPA
	1 x Furuno FR 2135S (S Band)
Echo Sounder	1 x Furuno FE 700 plus repeater FE720
GPS	1 x Furuno GP 90 (part of DP2)
Gyrocompass	1 x C Plath Navigat X MK1 (part of DP2)
Autopilot	1 x Anschuetz Pilotstar D
Magnetic Compass	1 x Cassens & Plath Reflecta 1
Weather Fax	1 x Furuno FAX 207
Speed Log	1 x Furuno DS-80
AIS	1 x Furuno FA-100
DP	Kongsberg comprising :
	a) sensors : 3 x gyrocompass, 2 x wind sensors & 3 x motion reference units
	b) position ref system : 2 x DGPS with gyro interface
	c) 500A gate valve
	d) independent joystick : 1 x C-Joy
	Vessel also fitted with Zenitel PA Talkbalk System & Self-Powered Telephones

FIRE FIGHTING EQUIPMENT & ANTI-POLLUTION EQUIPMENT

EXTERNAL	
FIFI Sytem	Class 1 with water curtain all round
Fire Pump	2 x 1700 m ³ /hr @ 13 bar, Unitor SFP250x350 driven by front PTO of M/E
Monitors - (water/foam)	1 x 300-1200 m ³ /hr, Skum FJM-200EL SLN
- (water)	1 x 1200 m ³ /hr, Unitor FJM200K/EL(MV)
Oil Dispersant System	Throw length / height: 120m / 50m 2 x 6 m booms c/w 6 nozzles each
INTERNAL	
Emergency Fire Pump	1 x 35 m ³ /hr @ 50m head; Itur
BA Recharging Comp	1 x 260 ltrs/min @ 200 bar
CO2 system in engine room	
Fire Detection & Alarm System in living spaces & engine room	

MISCELLANEOUS

Search Lights	4 x 2000 W halogen tungsten lights
Floodlights	4 x 1000 W orange lights
Liferafts	6 x 25 men SOLAS approved type
Rescue Boat	1 x 6 men semi-rigid Narwhal SV 480 powered by 40 hp Mercury outboard motor; c/w davit
Oily Water Separator	1 x 1 m ³ /hr c/w 15 ppm alarm; Boss
Water Maker	2 x 5 m ³ /day reverse osmosis; Searly SWT-5T
Sewage Treatment Plant	1 x 50 men; Evac

Particulars are believed to be correct but not guaranteed. All figures given are approximate only. Owners reserve the right to amend the specifications without notification.

prepared 13 March 2007

