



DESB MARINE SERVICES
SDN. BHD.

**PROVIDING SERVICES TO THE
MARINE/OFFSHORE INDUSTRIES**

M.V. "DAYANG PERTAMA"
75M MAINTENANCE / WORK VESSEL

TECHNICAL SPECIFICATIONS

No	Item	Specification	No	Item	Specification
01	Vessel Name	Dayang Pertama	18	Propulsion Machineries	
02	Type of Vessel	Maintenance / Work Vessel	a)	Main Engines	2 x Caterpillar 3516 DITA @ 2100 BHP
03	Call Sign	9WGA6	b)	Marine Gearbox	2 x Twindisc MG5600
04	Plying Limit	Near Coastal	c)	Propeller	2 x Ø2100mm Mg bronze fixed pitch propellers
05	Classification	American Bureau of Shipping.	d)	Bow Thruster	1 x HRP(FPP) tunnel unit of 8T thruster
06	Class	ABS + A1 + AMS Offshore Support Vessel	19	Navigation & Communication Equipment	
07	Port of Registry	Kuching	a)	GMDSS	Raytheon Compact Radio - Area 3
08	Flags	Malaysia	b)	Gyro Compass	1 x Anschuetz STD 22 G/GM.
09	Horse Power	2 x 2100 BHP	c)	Radar	2 x Raytheon NSC 25/ NSC 18
10	Cruising Speed	10 Knots at 90% MCR	d)	Echo sounder	1 x Furuno FE700
11	Endurance	28 days / 5000NM range.	e)	SART	2 x McMurdo S4
12	Fuel Consumption		f)	EPIRB	1 x ARC SAT
a)	Cruising Speed @ 85%	approx. 265 Litres/hour X 2 units	g)	Navtax Receiver	1 x Alden AE900
13	Main Characteristics		h)	Autopilot	1 x Anschuetz Pilotstar D
a)	L.O.A	75.00 meters	i)	Speed Log	1 x Walker 4040 MK2
b)	Breath Moulded	20.00 meters	j)	GPS Plotter	1 x Furuno GPS GP90
c)	Depth Moulded	6.50 meters	k)	AIS	1 x Furuno AIS FA100
d)	Max Draft	5.20 meters	l)	Magnetic Compass	1 x Soura M150
e)	Deck Strength	5 MT/m ²	20	Accommodation	Fully air conditioned, total 189 berths, 1 x hospital, 1 x conference room, 1 x recreation room & 5 x offices
f)	Clear Deck Space	approx. 700m ²	21	Fire Fighting Equipment	
g)	Deck Cargo	400 MT	a)	External Fire Pump	1 x 300m ³ /hour @ 12 bar
h)	Deadweight	3475.56 MT at 5.2m draft	b)	Fire Monitor	2 x 150m ³ /hour @ 12 bar
14	Capacity (at 98%)		c)	Fire Extinguish system	Fixed CO ² system for Engine Room, Bow thruster room & Paint Store
a)	Fuel Oil	575m ³	d)	Sprinkler system	As per Classification's & SOLAS requirements
b)	Fresh Water	1057m ³	e)	Fire Hydrants and Extinguishers	As per Classification's & SOLAS requirements
c)	S.W.Ballast/F.Water	484m ³	22	Life Saving Appliances	As per SOLAS 74/78 and amendments, Port of Registry and Classification's requirements
d)	Lube Oil Storage	17m ³	23	Other Equipment	
e)	Sewage Holding Tank	16m ³	a)	Life Rafts	24 x 25 men located port & starboard LFC deck
f)	Dirty Oil Tank	18m ³	b)	Rescue Boat	1 x 6 men Rigid type c/w davit & 40 HP outboard engine
g)	Hydraulic Oil Tank	19m ³	c)	Man Overboard	2 x Comet
h)	Water Maker	2 x 35 MT/day	d)	Deck flood light	16 x 400 W deck flood lights
15	Auxiliaries	3 x Cummins Main Genset 360kW / 415V / 3P / 50Hz 1 x Cummins Emergency Genset 150kW / 415V / 3P / 50 Hz	e)	Compressor	2 x 5kW electric driven
16	Pumps		f)	Sewage Treatment	2 x 5.10m ³ /day
a)	Bilges & Ballast Pump	2 x 75m ³ /hour at 45 meters Total Head	g)	Others	1 x Garbage Compactor
b)	Ballast/ Fire Pump	1 x 170m ³ /hour at 105 meters Total Head	24	Owner	DESB Marine Services Sdn Bhd.
c)	G.S/ Fire Pump	1 x 170m ³ /hour at 105 meters Total Head	25	Designer	Conan Wu & Associates Pte Ltd.
d)	Fuel Transfer Pumps	1 x 15m ³ /hour at 18 meters Total Head & 1 x 50m ³ /hour at 57 meters Total Head	26	GRT/ NRT	3387/ 1016
e)	Fresh Water Pump	1 x 60m ³ /hour at 45 meters Total Head	27	Year Build	2005
f)	Emergency Fire Pump	1 x 35m ³ /hour at 45 meters Total Head	28	Yard	ShinYang Shipyard Sdn Bhd, Miri Sarawak.
17	Deck Machineries		29	Registered	2005 -Kuching
a)	Capstans	2 x 5 MT hydraulic capstans	30	Official Number	329706
b)	4-point Mooring Winches	4 x single drum c/w auto spooling, 40T @ 1 st layer w/ Ø 38mm x 1200mL wire rope, fitted with four (4) x 4000kg Delta Flipper anchors	31	IMO No.	9318589
c)	Deck Crane	1 x Favelle Favco model 6/10K Lattice Boom Type offshore marine crane accordance to API 2C, S.W.L. 25 MT & Boom length 140feet			

Particulars Given In Good Faith And Are Believe To Be Correct But Not Guaranteed At The Time Of Printing

