



DESB MARINE SERVICES
SDN BHD.

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



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

TECHNICAL SPECIFICATIONS

<u>No</u>	<u>Item</u>	<u>Specification</u>	<u>No</u>	<u>Item</u>	<u>Specification</u>
01	Vessel Name	Dayang Berlian	18	Propulsion Machineries	
02	Type of Vessel	Maintenance / Work Vessel	a)	Main Engines	2 x Cummins KTA50 M2 @ 1800 BHP
03	Call Sign	9WGQ6	b)	Marine Gearbox	2 x Reintjes WAF664
04	Plying Limit	Near Coastal	c)	Propeller	2 x Ø 2100mm 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	Furuno Radio - Area 3
08	Flags	Malaysia	b)	Gyro Compass	1 x Tokimec TG8000
09	Horse Power	2 x 1800 BHP	c)	Radar	2 x Furuno FAR-2117
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 ACR TelluSart Mk3
12	Fuel Consumption		f)	EPIRB	1 x Saracom EB-10
a)	Cruising Speed @ 85%	approx. 276 Litres/hour x 2 Units	g)	Navtax Receiver	1 x Furuno NX-700
	Main Characteristics		h)	Autopilot	1 x Tokimec PR2000
13	a) L.O.A	75.00 meters	i)	Speed Log	1 x RM Young 6206
b)	Breath Moulded	20.00 meters	j)	GPS Plotter	1 x Furuno 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 Daiko Keiki 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	3440.31 MT at 5.2m draft	b)	Fire Monitor	2 x 150m ³ /hour @ 12 bar
	Capacity (at 98%)		c)	Fire Extinguish system	Fixed CO ² system for Engine Room , Bow thruster room & Paint Store.
14	a) Fuel Oil	590m ³	d)	Sprinkler system	As per Classification's & SOLAS requirements
b)	Fresh Water	1112.5 m ³	e)	Fire Hydrants and Extinguishers	As per Classification's & SOLAS requirements
c)	S.W.Ballast/F.Water	457m ³	22	Life Saving Appliances	As per SOLAS 74/78 and amendments, Port of Registry and Classification's requirements
d)	Lube Oil Storage	10m ³	23	Other Equipment	
e)	Sewage Holding Tank	16.4m ³	a)	Life Rafts	24 x 25 men located port & starboard LFC deck
f)	Dirty Oil Tank	21.6m ³	b)	Rescue Boat	1 x 6 men Rigid type c/w davit & 40 HP outboard engine.
g)	Hydraulic Oil Tank	20.8m ³	c)	Man Overboard	2 x Comet
h)	Water Maker	2 x 35 MT/day	d)	Deck flood light	16 x 400W deck flood lights
	Auxiliaries		e)	Compressor	2 x 5kW electric driven
15		3 x Cummins KTA 19 D / Stamford Main Genset 360kW / 415V / 3P / 50Hz 1 x Cummins 6CTA 8.3 D/ Stamford Emergency Genset 150kW / 415V / 3P / 50Hz	f)	Sewage Treatment	2 x 5.10m ³ /day
	Pumps		g)	Others	1 x Garbage Compactor
16	a) Bilges & Ballast Pump	2 x 75m ³ /hour at 45 meters Total Head	24	Owner	DESB Marine Services Sdn Bhd.
b)	Ballast/ Fire Pump	1 x 170m ³ /hour at 105 meters Total Head	25	Designer	Conan Wu & Associates Pte Ltd.
c)	G.S/ Fire Pump	1 x 170m ³ /hour at 105 meters Total Head	26	GRT/NRT	3410/ 1023
d)	Fuel Transfer Pumps	1 x 15m ³ /hour at 18 meters Total Head & 1 x 50m ³ /hour at 57 meters Total Head	27	Year Build	2006
e)	Fresh Water Pump	1 x 60m ³ /hour at 45 meters Total Head	28	Yard	238 -ShinYang Shipyard Sdn Bhd, Miri
f)	Emergency Fire Pump	1 x 35m ³ /hour at 45 meters Total Head	29	Registered	Kuching.
	Deck Machineries		30	Official Number	330741
17	a) Capstans	2 x 5 MT Plimsoll hydraulic capstans.	31	IMO No.	9396608
b)	4-point Mooring Winches	4 x single drum c/w auto spooling, 40T @ 1 st layer w/ Ø38mm x 1200mL wire rope, fitted with four (4) x 4000kg Delta Flipper Anchors			
c)	Deck Crane	1 x Favelle Favco model 8/10K Lattice Boom type offshore marine crane accordance to API-2C, 7 th Edition, 45T SWL & 41.2m Boom Length			

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

