



78M DP-2 4950 BHP ROV SUPPORT / MAINTENANCE VESSEL

A Marine Services Asset Wholly Owned By

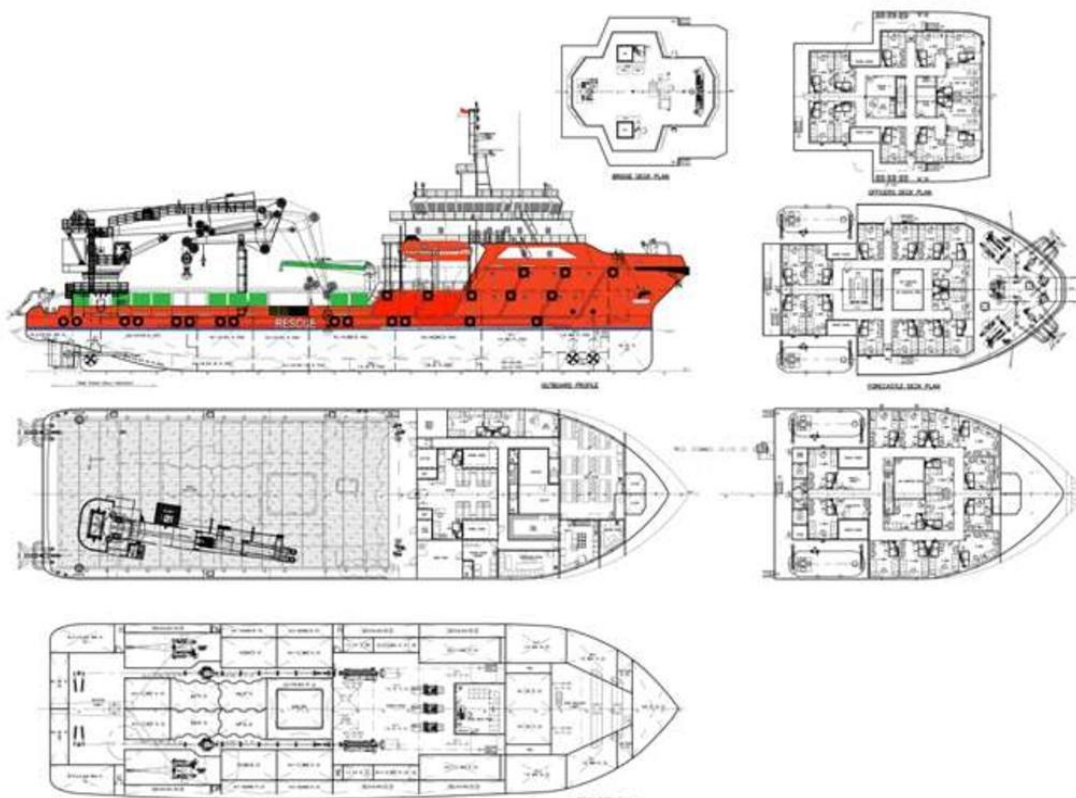


BRORON
Oil & Gas Limited

A member of the Broron Group



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PRINCIPAL PARTICULARS

Length Overall	78.00M
Length BP	70.55M
Breadth	20.00M
Depth Moulded	6.50M
Draft Moulded	4.80M
Deadweight	2000T (approx)
Gross Tonnage	3362T
Moon Pool	23M ³
Speed	12 knots (approx)
Class Notation	ABS + A1 E "OFFSHORE SUPPORT VESSEL, + AMS", + DPS-2

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MACHINERY/PROPULSION		CARGO CAPACITY	
Main Engine	2 x 2475 BHP @ 1000RPM Wartsila 9 L20	Clear Deck Area	700M ²
Propeller	2 x Controllable Pitch (CPP) Type with Kort Nozzle	Deck Loading	7.5T/M ²
Bow Thruster	2 x Controller Pitch Propeller of 10T Thrust	Fuel Oil	825 M ³
Stern Thruster	1 x Controller Pitch Propeller of 10T Thrust	Fresh Water	700 M ³
Main Generator	3 x 500KW Caterpillar 415V/50Hz/3ph	Drill Water /Water	1250 M ³
Shaft Generator	2 x 1300KW, AVK Supplied by Wartsila 415V/50Hz/3ph	Ballast	
Emergency Generator	1 x 99KW, Cummins 415V/50Hz/3ph	Mud	325 M ³
		Helling	200 M ³
ACCOMODATION		DISCHARGE RATES	
2 x 1 Man Cabin	2 Men	Fuel Oil	150 M ³ /hr @ 75M Head
8 x 2 Man Cabin	16 Men	Fresh Water	150 M ³ /hr @ 75M Head
33 X 4 Man Cabin	132 Men	Drill Water	150 M ³ /hr @ 75M Head
Total	150 Men	Mud	2 x 70 M ³ /hr @ 85M Head
1 x Hospital	3 Men		
Chiller	25 M ³		
Freezer	25 M ³		
Provision Store	15 Days		
		SUPPLY & DRAINAGE PLANT	
		Fresh Hydrophore Plant	1 x 10 M ³ /hr @ 35M Head
		Seawater Hydrophore Plant	1 x 10 M ³ /hr @ 35M Head
		Hydrophore Plant Standby Pump	1 Unit
		Fresh Water Maker	2 x Reverse Osmosis Type
		Sewage Holding & Treatment System	For 150 Persons
		Oil Bilge Water Separator	1 x 1.0 M ³ /hr with Oil Content Less Than 15ppm
		Hot Water Calorifier	2 x 80KW of 100L C/W Two Circulating Pumps



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NAVIGATIONAL EQUIPMENT

X- Band Radar Range 64NM	2 Sets
Echo Sounder	1 Set
GPS Plotter	1 Set
Gyro Compass	1 Set
Magnetic Compass	1 Set
Autopilot & Steering Gear	1 Set
Weather Facsimile Receiver	1 Set
AIS	1 Set
Doppler Speed Log	1 Set
SSAS	1 Set
MF/HF Transceiver (GMDSS)	1 Set
Satellite EPIRB (GMDSS)	1 Set
2 – Way Portable VHF Radios (GMDSS)	3 Sets
SART (GMDSS)	2 Sets
NAVTEX Receiver (GMDSS)	1 Set

DYNAMIC POSITIONING SYSTEM

Meet the DPS-2 Class Notation of ABS

Joystick Control & DP System : KONGSBERG K- POS DP2
1 x RADius 1000 with dual interrogator and 2 transponder.
2 x DGPS
1 x Kongsberg HIPAP® 501 system
1 x Kongsberg Lightweight Taut Wire System: Mk 15/500 for 500M operational depth
3 x Gyro Compass
2 x VRU
3x Wind Sensors

DECK/AHL EQUIPMENT

Windlass	1 x Electro Hydraulic Type of 12T @ 12M/min for 48mm dia Chain
Capstan	2 x Electro Hydraulic Type of 10T @ 15M/min
Anchor	2 x High – Hold Type, Stowed in Anchor Pockets , 2140Kg each
Tugger Winch	2 x Electro – Hydraulic of 10T @ 15M/min
Crash/Cargo Rail	300mm N.B. heavy pipes shall be provided on main deck (P & S). Height to be approximately 2500mm to top of pipes
Heeling Tanks	Located (P & S) Manually Operated
Deck Crane	1 x 60T AHC rated for subsea use, 60T @ 20m 15T @ 23m , 1 x 2T Marine Crane, @ 12m

FIRE FIGHTING SYSTEMS

Emergency Fire Pump, 35 M ³ /hr @ 4.5 bar
Fire Detection and Alarm System
CO2 System in Engine Room
Local Fixed Pressure Water Spraying or Water – Mist Fire Extinguishing System in Engine Room

LIFE SAVING EQUIPMENT

Life Raft	150 Men
Life Bouy - Ring	12 Sets
Life Jackets	194 Sets
First Aid Kits	4 sets
Life Boat c/w Davit	2 Sets (SOLAS approved) enclosed side lanching type for 75 Men
Fire Man Outfit	6 Sets
Immersion Suits	150 Sets
Air Breathing Apparatus	6 Sets
EEBD	11 Sets