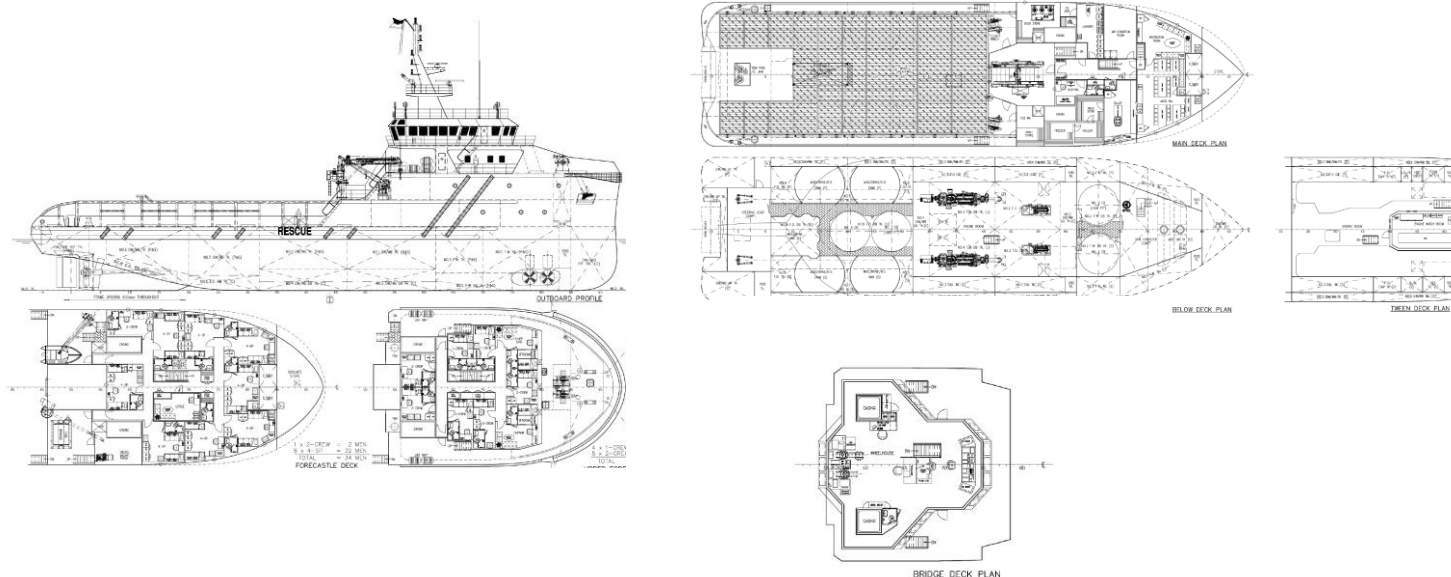


60M 5150PS DP-1 Multi-Purpose Offshore Support Vessel (AHTS)



MAIN PARTICULARS

Length Overall	: 60.00M
Length BP	: 55.59M
Breadth Moulded	: 15.80M
Depth Moulded	: 6.50M
Draft Moulded	: 5.20M
Deadweight	: 1475 T
Gross Tonnage	: 1960 T
Bollard Pull	: ~ 65 T
Trial Speed	: 12.50 knots
Class Notation	: ABS + A1 (E), Offshore Support Vessel (AH, TOW, Supply, FFV 1 OSR-C2, AMS + DPS-1 + SPS)

CARGO CAPACITIES

Clear Deck Area	: ~380 M ²
Deck Loading	: 7 T/M ²
Fuel Oil	: ~585 M ³
Fresh Water	: ~370 M ³
Drill Water / S.W Ballast	: ~657 M ³
Cement Tank	: 4 x 42.5 M ³
Mud / Brine	: ~359 M ³
ORO	: ~285 M ³
Foam	: ~14 M ³
Detergent	: ~14 M ³

PROPULSION /MACHINERY

Main Engine	: 2 x 2575PS@1600rpm, Caterpillar 3516C
Reduction Gear	: 2 x Reintjes LAF 873L
Propeller	: Twin controllable pitch propellers
Bow Thruster	: 2 x CPP type, Kawasaki KT-72B3, Approx. 8T thrust
Main Generator	: 2 x 350KW, diesel driven, Caterpillar, C18, 415V/3PH/50Hz
Shaft Generator	: 2 x 800KW
Emergency Generator	: 1 x 99KW 415V/50Hz

CARGO DELIVERY RATES

Fuel Oil Cargo	: 1 x 150 M ³ /hr@ 75M head
Fresh Water	: 1 x 125 M ³ /hr@ 75M head
Drill Water	: 1 x 100 M ³ /hr@ 75M head
Ballast	: 75 M ³ /hr@ 50M head
GS/Fire	: 1 x 75 M ³ /hr@ 50M head
Mud	: 2 x 75 M ³ /hr@ 75M head
Bilge	: 45 M ³ /hr@ 50M head
Sludge Oil Pump	: 1 x 5 M ³ /hr@ 29M head
Air compressor (Unislip)	: 2 x 13 M ³ /min@ 80psi
Mud Agitator	: 5

ACCOMMODATION

4 x 1 man cabin	: 4 men
6 x 2 men cabin	: 12 men
8 x 4 men cabin	: 32 men
Total	: 48 men
Hospital	: 1 man

DECK / AHT EQUIPMENT

Windlass	: 1 x electro-hydraulic type, 10T @ 12M/min for 40mm dia. Chain with 2 warping heads
Capstan	: 2 x electro-hydraulic type, 5T @ 15M/min
Tugger Winch	: 2 x electro-hydraulic type of 10T @ 15M/min

Chiller	:	~13M ³
Freezer	:	~13M ³
Provision store	:	~25 days

LIFE SAVING EQUIPMENT

Life Raft	:	6 x 25
Rescue Boat c/w Davit (in board diesel engine)	:	1 x 6 men
Life Buoy-ring	:	8 sets
First Aid Kit	:	1 set
Lifejacket	:	60 sets
MOB-Light Smoke Signal	:	2 sets
Self-Contained Line Throwing Apparatus	:	4 sets
Immersion suits	:	52 sets
EEBD	:	7 sets

NAVIGATION COMMUNICATION EQUIPMENT

GMDSS Area A1 + A2 + A3	:	Shipset
X-band Radar with ARPA 96NM	:	1 set
X-band radar with ARPA	:	1 set
Echo Sounder	:	1 set
GPS	:	1 set
Navtex	:	1 set
Weather Facsimile receiver	:	1 set
Autopilot	:	1 set
Gyro Compass	:	2 sets
Magnetic Compass	:	1 set
Speed Log	:	1 set
SART	:	2 sets
EPIRB	:	1 set
Automatic Identification System (AIS)	:	1 set
Portable GMDSS VHF	:	3 sets
BNWAS	:	1 set

Towing & Anchor	:	1 x electro-hydraulic driven, waterfall type
Handling winch	:	Consists of detachable drum and spooling device for towing winch Pull: 150T of 1 st layer Brake holding: 200 T Drum capacity: 1000mm x 56mm wire rope
Towing pins	:	2 x vertical hydraulic retractable type @ approx. 200 T
Kamfork	:	1 x hydraulic retractable type @ SWL 200T
Stern Roller	:	5.00M by 1.6M dia, 200MT SWL
Storage Reel	:	1 x hydraulic retractable type, 5T @ 15M/min Drum Capacity: 56mm dia x 1000M
Anchor	:	2 x 1305kg high holding anchors
Anchor Chain	:	2 x 40 dia grade U2 stud-link-chain @ 8 shots each
Deck Crane	:	1 x 3T @ 9M

EXTERNAL FIRE FIGHTING SYSTEM

External Fi-Fi	:	Class 1 c/w fixed water spray system
Fire Monitor	:	2 x 1200 M ³ /hr @ 120M throw length
Fire Pump	:	2 x 1400 M ³ /hr @ 1800rpm
Foam System	:	14M ³ c/w foam monitor
Sea Chest	:	2 x independent type
Fireman Outfit	:	6 sets

INTERNAL FIRE FIGHTING SYSTEM

Emergency Fire Pump	:	1 x 35 M ³ /hr @ 5.0 bar
CO ₂ Fixed Fire Fighting System	:	Provided in engine room
Fire Detection & Alarm System	:	Shipset
B.A. Recharging Compressor	:	1 x electric driven 75L/min @ 200 bar (meet FiFi-1 requirement)
Firemain & Fire Hydrants	:	Shipset
Portable Fire Extinguishers	:	Shipset
Fire Blanket	:	2 units
Fire Axe	:	1 unit

SUPPLY & DRAINAGE PLANT

Freshwater Maker	:	1 x reverse osmosis type, 5 T/day
Sewage Holding & Treatment system	:	For 50 men
Oily Bilge Water Separator	:	1 x 1.0 M ³ /hr with oil content <15ppm
F.W. Hydrophore Plant	:	1 x 4M ³ /hr @ 35M head
S.W Hydrophore Plant	:	1 x 4M ³ /hr @ 35M head
Electric Calorifier	:	1 x 500L with hotwater circulating pump