



ALLIANZ MIDDLE EAST



ALLIANZ WRANGLER

DP2 AHTS - BP 120T

GENERAL INFORMATION

Vessel Name	Allianz Wrangler
Built	INP Shipyard, Ulsan, South Korea, May 2003
Flag	St. Vincent & Grenadines
Call Sign	J8B6110
IMO NO.	9270608
Class Notation	ABS +1A1 Fire Fighter(1) Towing Vessel, AMS, ACC4, DPS - 2

DIMENSIONS

Length (LOA)	68.95 m
Beam	15.5 m
Summer Draft	6.0 m
Deadweight @ Summer Draft	2155 t
GT	2332
Length, BP	60.45 m
Length (Load Line)	62.65 m
Depth, main deck	7.0 m
Maximum Draft Midship	6.0 m
NT	700
Minimum Draft Midship	4.67 m

DECK CAPACITIES

Deck Load Capacity	800 t
Deck Strength	5 t/m ² - General Deck 10 t/m ² - Aft AH Deck
Free Deck Area	471 m ²
Length x Width	36.8 x 12.8 m

TANK CAPACITIES

NLS	See Brine/Mud
Brine / Mud	459 m ³ Brine (Multi usage tanks) 439 m ³ Mud (Multi usage tanks, dedicated Mud 293 m ³)
Drill / Ballast Water	101 m ³ (dedicated) 1060 m ³ (Multi usage tanks including dedicated)
Dry Bulk	224 m ³ (in 4 tanks)
Fresh Water	448 m ³ (dedicated) 947 m ³ (Multi usage tanks including dedicated)
Fuel Dedicated	797 m ³
Fuel Total	797 m ³ (dedicated)
Tank Capacities Details	Refer to tank capacities table
Ship's Stores	Freezer (-25c) = 11 m ³ Chiller (+4c) = 9.5 m ³ Dry Store (+22c) = 23 m ³

PROPULSION / BOLLARD PULL

Main Engines	2 x Bergen BRM9 each 3975 kW = 7950 kW (10657 bHP)
Propulsion	2 x CPP propellers in KORT nozzles, with Hi-lift flap rudders
Thrusters	2 x RRM bow thruster each 590 kW / 791 bHP 1 x RRM stern thruster each 590 kW / 791 bHP
Bollard Pull	120 t at 100% MCR
Shaft Generators	2 x shaft generators 1280 ekW (1600 kVA) 450 v, 60 Hz
Auxillary Generators	2 x diesel / gen output 320 ekW (400 kVA), 450 v, 60 Hz
Emergency Generators	1 x diesel / gen output 65 ekW (80 kVA), 450 v, 60 Hz

DECK EQUIPMENT

Towing / Working Winch	1xTow winch 300 t 1st layer @ 0 - 7.0m/min Wire Capacity 1500 m of 76 mm dia.
Anchor Handling Winch	2xAH winch each 300 t 1st layer @ 0 - 7.0 m/min Wire Capacity 1200 m of 76 mm dia. 450 t 1st layer
Brake Capacity	450 t 1st layer
Spare Reel Capacity	2 x rope reels for storage pennant / tow wire Capacity of: 1500 m of 76 mm wire Duty 1st layer: 7.5 t at 0 - 48 m/min
Wire Storage Reel	1 x wire storage reel Capacity of: 1500 m 76 mm wire Duty 1st layer: 7.5 t at 0 - 48 m/min
Chain Lockers	1 x 195 m ³ Chain Capacity of: 2400 m 76 mm chain or 2400 m 84 mm chain
Towing Pins	4 x for ship with BP up to 240 t
Shark Jaws	2 x for wire / chain with MBL up to 500 t
Stern Roller	RRM single drum with diameter 2.4 m x length 5.0 m @ 450 t SWL
Capstans	2 x RRM 8.5 t @ 0 - 20 m/min
Tugger Winches	2 x RRM 10 t @ 0 - 38 m/min Storage Capacity 100 m of 19 mm dia. Wire
Provision Crane	1 x electric hydraulic knuckle boom Capacity 5 t @ 10 m, 3 t @ 15 m
Chain Gypsies	2 x 76 mm + 2 x 84 mm
Windlass	RRM combined windlass / mooring winch Duty on warping ends, 10.5 t @ 0 - 13.5 m/min, light line 0 - 45 m/min. Duty on cable lifters, nom pull 9.5 t @ 0 - 13.5 m/min. max pull 11.5 t. Duty on mooring drums, stowing capacity 120 m of 40 mm rope, duty on mooring drums 9.5 t @ 0 - 13.5 m/min. lowering 0 - 45 m/min.
Smit Towing Bracket	1 x 200 t SWL located on fo'c'sle

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NAVIGATION EQUIPMENT

Main Radar	1 x Furuno SN-7AF, RSB-0026 colour S-band (10cm), ARPA 28" display, complete with remote display at aft console
Auxillary Radar	1 x Furuno XN - 4A, RSB - 0014 X-band (3cm), ARPA 28" display
Auto Pilot	Tokimec PR6000
Magnetic Compass	Tokimec SH165A1
Echo Sounder	Skipper GDS101
GPS	Furuno GP-80
GPS Plotter	SAMYUG-N500R
Speed Log	Furuno Doppler DS - 80
Communications	G.M.D.S.S (Global Marine Distress and Safety System) 1 x SSB, 3 x VHF 2 x Inmarsat C 3 x VHF (portable) 2 x SART, 1 x EPIRB 1 x Iridium 2 x VHF portable radios (icom) 6 x UHF
Navtex Receiver	Sailor NAV-5
Weather Fax	Furuno, Fax - 214
Satellite Communication	VSAT/FBB
AIS	Fununo, FA150
VHF	1 x Sailor RT - 4822 2 x Sailor RT - 4722
BNWAS	Martek Marine Navgard

DYNAMIC POSITIONING SYSTEM

Type	GE Energy C-Series DPS-21 Duplex DP System with RRM Poscon Independent Joystick System
Reference System	2 x Veripos DGPS 1 x Cyscan 3 x Gyro Tokyo Keiki
Motion Reference Unit	2 x Wind Sensors 2 x VRU TTS DMS / SMC Auto Sail
Control Modes	Auto Track (Low Speed) Joystick Auto heading DP, DP minimum power ROV follow, Mode Control Auto Station Keeping Stand-by (for training) Poscon-electronic control system joystick
Joystick	

EXTERNAL FIRE FIGHTING

Capacity	2 x 1500 m ³ /hr - 3000 m ³ /hr
Monitors	2 x 1200 m ³ /hr
Throw Length	120 m
Throw Height	70 m
Drenching System	Yes
Foam Tank	12.3 m ³

DISCHARGE PUMPS

Fuel Oil	2 x 150 m ³ /hr at 9.0 bar
Sludge	10 m ³ /hr at 2.0 bar
Fresh Water	1 x 150 m ³ /hr at 9.0 bar
Drill / Ballast Water	1 x 200 m ³ /hr at 9.0 bar
Dry Bulk	2 x Screw type air compressors at 23 m ³ /min. 5.6 bar discharge rate of capacity 80 t/hr
Special Liquid	1 x 75 m ³ /hr at 18 bar (Brine Discharge)
Hose Connections	Fuel Oil - 4" Female Weco Portable Water - 4" Female Weco Drill Water - 4" Female Weco Mud - 4" Camlock & 4" Avery - Hardoll Bulk - 5" Camlock & 5" Female Weco

RESCUE BOAT

1.1 x Maritime Partner MP660 Springer, 10 person, SOLAS approved FRB with inboard diesel waterjet

ANTI-POLLUTION

Dispersant Tank	12.3 m ³
Spray Booms	2 x Booms (1 port, 1 starboard) at 6m
Spray Nozzles	2 x Nozzles per boom

ACCOMODATION

Person Capacity	Total 30 10 x 1 man cabin 4 x 2 man cabins (Including Hospital) 3 x 4 man cabins
Offices	2 x Offices
Hospital	Yes (2 berth)

ENVIRONMENTAL FEATURES

1. Cylindrical mud tank free flowing design with external stiffening, slopped floors and fixed agitators.
2. Fixed Butterworth type mud tank cleaning system with hot water wash, fitted to all all mud tanks and with slop tank reception. Cargo load/discharge station with save all to inboard tank.
3. Low residue design bulk tanks.
4. Garbage compactor.

MISCELLANEOUS

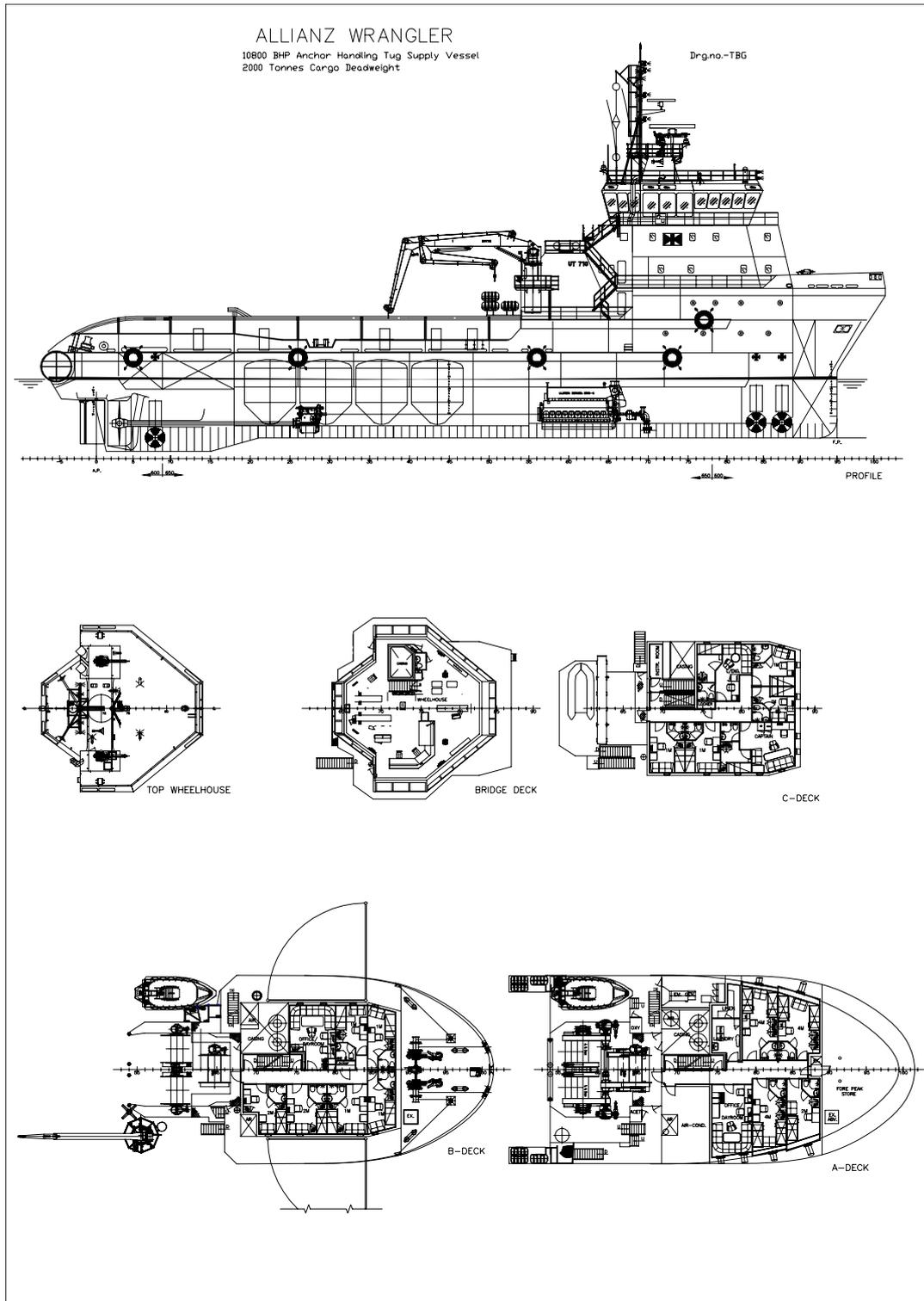
1. Wood seathed main deck except for aft area, which is steel plated for anchor-handling
2. Ulstein passive roll damping system.
3. Deck power supplies: 1 x 1000A x 440v x 3ph, 1 x 63A x 440v x 3ph, 1 x 32A x 220v x 1ph & 4 x 32A x 440v x 3ph

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DP2 AHTS - BP 120T - GA
PLAN



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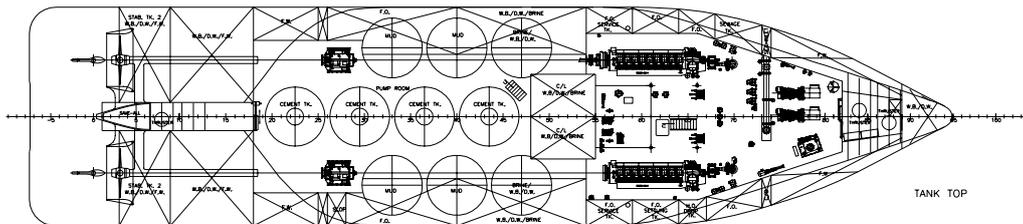
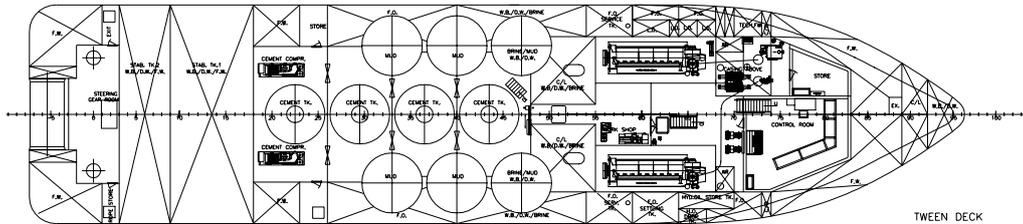
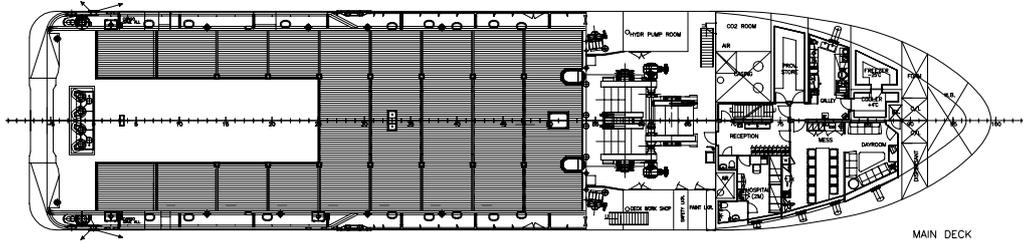


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PLAN

ALLIANZ WRANGLER
10800 BHP Anchor Handling Tug Supply Vessel
2000 Tonnes Cargo Deadweight

Drg.no.-TBG

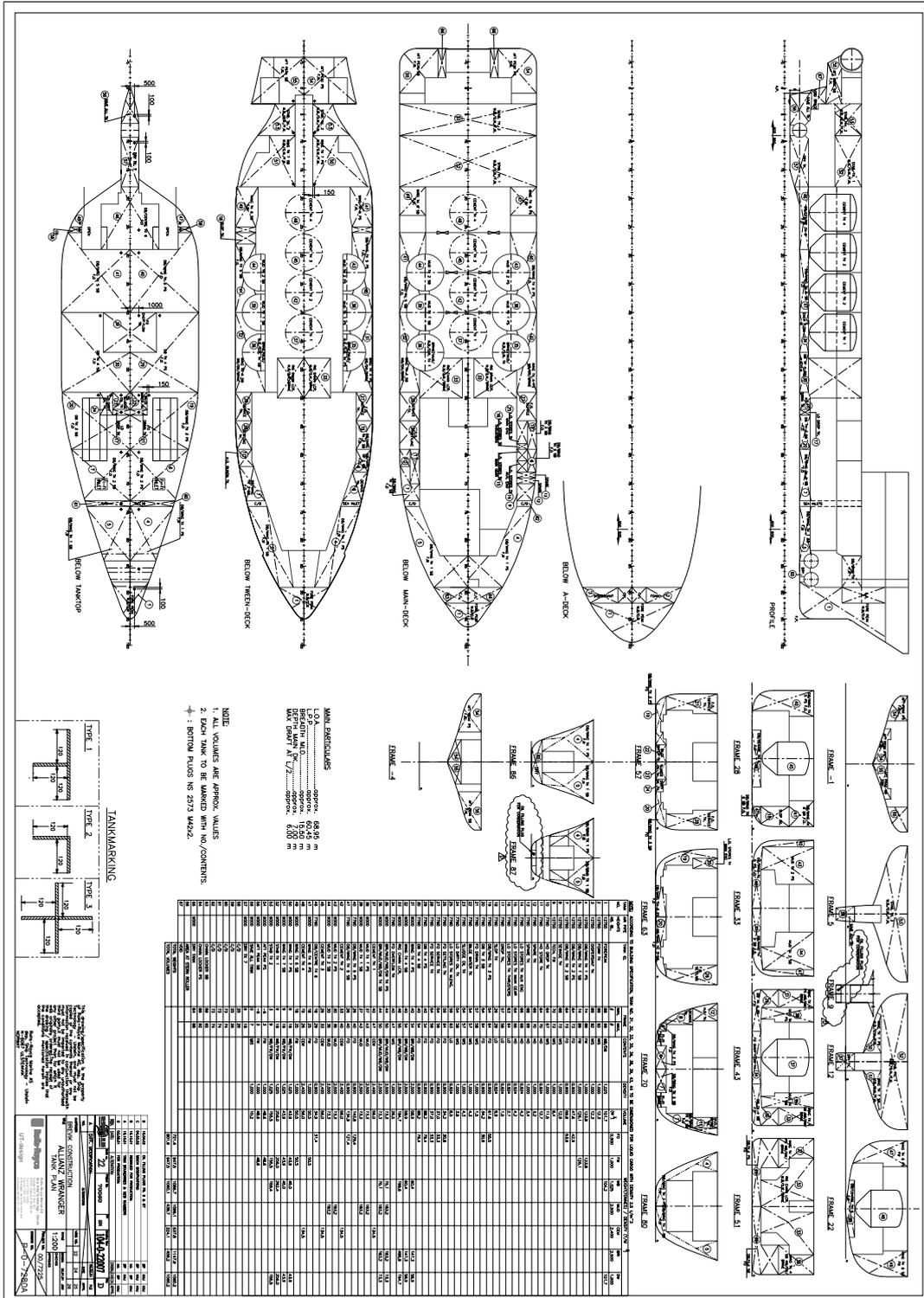


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DP2 AHTS - BP 120T - TANK CAPACITY PLAN



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