

AHTS

DP 2 diesel electric anchor handling tug supply
85 Metric ton bollard pull
150 Metric ton line pull winch

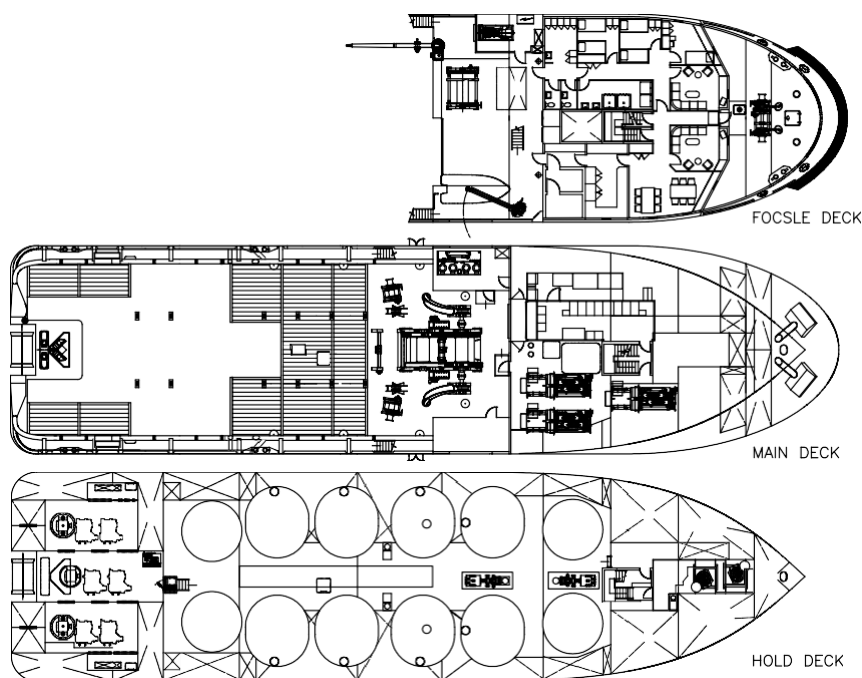


Designed in conjunction with Guido Perla & Associates of Seattle, Washington.

Environmentally friendly diesel electric propulsion uses less fuel than conventional direct drive systems and produces far less pollution.

Liquid mud tank capacity and delivery capabilities typically found only in much larger vessels. BOURBON LIBERTY 200 AHTS Series will be equally at home serving shallow water ports or deepwater installations.

The fully redundant dynamic positioning class II gives her an exceptional maneuverability. In addition, this AHTS is classed Fi-Fi I.



REGISTRATION

Vessel Name: BOURBON LIBERTY 200.
Type: Anchor Handling Tug Supply
Vessel. Year: 2009 to 2010

Builder: Dayang shipyard-China.
Class: CCS+CSA Offshore Supply Ship/
Fire Fighting Ship 1
CSM AUT-0; DP-2
Flag: CHINA

ANCHOR HANDLING TUG SUPPLY VESSEL

TECHNICAL SPECIFICATIONS

AHTS - BOURBON LIBERT 200

■ MAIN PARTICULARS

DIMENSIONS

Length overall 59.78 m
Breadth moulded 15.00 m
Depth 5.50 m
Design draft 4.30 m
Max draft 4.88 m
Deadweight (at max draft) 1491.29 t
Bollard pull 85 t
Gross tonnage 1,735

CAPACITIES

Deck area: (5mt/m2). (26,00 x 12,70 m) 331 m2
Deck cargo: 540 mt
Fuel oil: 606 m3
Drill/water/ballast: 458 m3
Fresh water: 354 m3
Liquid mud (8 tanks): 651 m3
Dry bulk/cement: 156 m3
Foam: 14.5 m3

DELIVERY RATES

Fuel oil: 150 m3/h at 60 m
Fresh water: 150 m3/h at 70 m
Drill/ water/ballast: 150 m3/h at 70 m
Liquid mud: 2 x 150 m3/h at 70 m
Dry Bulk/Cement 50 t/h at 60 m
Liquid mud tanks fitted with agitators and fixed washing system.

ACCOMMODATIONS

Accommodations for: 20 pers
Single cabins: 4
2 man cabins: 4
4 man cabins: 2
Mess / day rooms, hospital, laundry, galley, stores, office.
Fully air conditioned.

■ MACHINERY / PERFORMANCE

PROPULSION - MACHINERY

Main engines 3 x 1,900 kW.
Main propulsion:.. 3 x 1,685 kW Z Drive, fixed pitch variable speed.
Bow thrusters..... 2 x 560 kW
Emergency / harbour generator..... 175 kW

SPEED / CONSUMPTION

Maximum speed (100%) 15 t/day @13.5 knots
Service speed (80%) 12 t/day @12 knots
Economic speed (50%):..... 7 t/day @ 10 knots
Stand-by mode (1 genset)..... 0.6 t/day in moderate environmental conditions.

■ EQUIPMENT & ELECTRONICS

DECK EQUIPMENT

Towing /Anchor-handling electro-hydraulic high pressure winch:
- 2 drums in waterfall arrangement each equipped with:
- Drum size:..... 900/2,250 mm dia. x 1,800 mm length.
- Drum capacity: 1,500 m of 2" steel wire.
- Rated pull: 150 t on 1 st. Layer at 0 - 8.50 m /min.
- Brake holding load: 250 t on 1 st layer.
- Cable lifters: 2 for 2" 1/2 and 3" chains.
Stern roller: 1,500 mm dia. X 2,500 mm length.
Storage reel: 813/2,300 mm dia. X 1,600 mm length.
- Capacity: 1,500 m of 2" wire.
Windlass: 1
Tugger winchs: 2 x 10 t pull.
Deck cargo crane:..... 1.8 t @ 6 m.

SAFETY EQUIPMENT

Fire Fighting (Fi-Fi I):..... 2 pumps of 1,500 m3/h.
2 monitors of 1,200 m3/h.

Water spray protection.
MOB boat with davit
Life saving arrangement
Stand by rescue equipment

ELECTRONICS

- NAVIGATION / COMMUNICATION.

2 radars
1 radio system compliant with GMDSS A3.
3 satellite communication system: Vsat, Inmarsat fleet 77, Iridium.
Email / IP voice facilities.

DYNAMIC POSITIONING SYSTEM (Class II)

ABS classed DP2 redundant positioning system comprising:
- 2 DGPS, 1 Cyscan.
- 1 laser reference unit,
- 1 independent joystick system,
- Sensors and monitoring as per class II requirements.

DP CAPABILITY PLOT

(All thrusters 100%)
Max wind speed: 50 Kts