

HAI YANG SHI YOU 643/645

GENERAL DATA

Delivery Date	2016
Buider	FUJIAN MAWEI SHIPBUILDING LTD
Design	SDARI
Vessel Type	AHTS
Flag	CHINA
Classification	CCS
Class Notation	★CSA Offshore Tug / Supply ship, Anchor Handling, Stand-by Ship, Ice Class B , In-Water Survey ★CSM AUT-0 , DP-2

MAIN DIMENSIONS

L.O.A	73.8m
D. Mid.	7.4m
B. Mid.	16.0m
Draft Load	6.0m
Draft Light	4.0m
Scantling Draft	6.3m
Gross Tonnage	2724.0
Net Tonnage	845.0
Dead Weight	2372.0t

PERFORMANCE

Maximum Speed	≥14.2knots
Economic Speed	11-12knots
Bollard Pull	99.4t

DECK CAPACITY

Deck Area	475 sq.m
Deck Cargo	750t
Deck Strength	5~10 t/sq.m

CARGO CAPACITIES

P. Water	525cu.m
D./B Water	1277cu.m
Diesel Oil	754 cu.m
Bulk	170 cu.m (4 Tanks)
Liquid Mud	384 cu.m
Brine	384 cu.m

DISCHARGING RATES

P. Water	1× 120 cu.m. /hr. at 1Mpa
D/B Water	1 × 120 cu.m. /hr. at 1Mpa
Diesel Oil	1× 100 cu.m. /hr. at 0.90Mpa
Bulk	2 ×37.5 t/hr. at 0.56Mpa
Liquid Mud	2×75 cu.m. /hr. at 1.80Mpa
Brine	1×75 cu.m. /hr. at 1.8Mpa



ACCOMMODATION

Crew	15
Passenger	10

MACHINERY&PROPULSION

Main Engine	4 × MAN 7L21/31
Main Power	4 × 1505KW, Total 6020KW
Propeller	2 × CPP in nozzles, D3200mm
Generator Sets	Main generator : 2 ×280KW 400V/50HZ Shaft generator: 2 ×1700KW 400V/50HZ Emergency generator 1×90KW 400V/50HZ
Bow Thruster	2×680KW
Stern Thruster	1×480KW

TOWING & AH EQUIPMENT

Winch	TSH2-AHTW-1500
Towing Drum	Φ1030mm×~1600m
Towline	2× D56mm×1000m (one duty one spare)
AH Wire	D56mm×300m
Stern Roller	1×L5400mm×D2400mm,MWL,250t
Towing Pins	1sets/vessel, SWL: 150t
Shark Jaw	1sets/vessel, SWL: 250t

SAFETY & FIFI & ANTIPOLLUTION EQUIPMENT

Life Raft	4set×25 Persons, type:self-right inflatable liferaft
Rescue Boat	1set×6 Persons: Max speed≥25kn, With 3persons Water jet

NAVIGATION & COMMUNICATION

Gyro-Compass	Anschutz/STD-22
Magnetic Compass	MK2000S
Radar	HIGHLANDER/HLD-RADAR 800/25X-8 /HLD-RADAR 800/30S-12
INMARSAT-C	HIGHLANDER/HLD-6110
INMARSAT-F	SAILOR/FB250
MF/HF SSB	HIGHLANDER/HLD-6350
VHF	HIGHLANDER/HLD-6222/2 SETS/SAILOR-6210/2 SETS/
GPS	SAAB/R5/2 SETS
Facsimile	TAIYO/TF-708
Echo Sounder	SKIPPER/GDS 101/200kHz
Autopilot	HIGHLANDER/HLD-SC 200
Radio	HIGHLANDER/HLD-6003T
EPIRB	SAILOR/SE406 II
NAVTEX	SAILOR/ 6391
Electronic Chart System	HIGHLANDER/HLD-ECDIS 100

DP System

DP2	PRAXIS DP2
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