

HAI YANG SHI YOU 646/647/648/649

GENERAL DATA

Year Built	2016
Builder	GUANGXIN SHIPBUILDING & HEAVY INDUSTRY CO., LTD.
Design	SHANGHAI MERCHANT SHIP DESIGN & RESEARCH INSTITUTE
Type	AHTS (Icebreaking)
Flag	CHINA
Registry Port	CCS
Classification	★CSA Icebreaking Offshore Tug/ Supply ship, Stand-by Ship/ Fire Fighting Ship 1; Anchor Handling; Ice Class B2 ★CSM AUT-0;BWMP;BWMS

MAIN DIMENSIONS

L.O.A.	72.00 m
B. Mid.	14.40 m
Designed Draft	4.50m
Max Draught(icebreaking)	5.25m
D. Mid.	6.70 m
Draft Load	5.45m
Gross Tonnage	~ 2300t
Deadweight	1450 t

PERFORMANCE

Eco Speed	13.7 Knots
Maximum Speed	13.9 Knots
Max Bollard Pull	900kN

DECK CAPACITIES

Deck Area	380sq.m
Deck Cargo	500 t
Deck Loading	5 t/sq.m

CARGO CAPACITIES

P. Water	410.0cu.m
D./B. Water	1200.0 cu.m
Diesel Oil	660 .0cu.m
Bulk	170.0cu.m (4 Tanks)
Mud/Diesel Oil/Brine/Base oil	205.0cu.m

DISCHARGING RATES

P. Water	1 x120 cu.m/hr
D. Water	1 x 120 cu.m/hr
B. Water	1 x 120 cu.m/hr
Diesel Oil	1 x 100 cu.m/hr
Mud/Brine/Base oil	2 x 75 cu.m/hr



ACCOMMODATION

Crew	16
Passenger	12

MACHINERY & PROPULSION

M/E Power	2×3000KW WARTAILA 6L32
Generator Sets	Auxiliary Generator : 2×310KW VOLVO PENTA D13MD Shaft Generator: 2×800KW AVK DSG 74 M1/4- 400V/50HZ Emergency generator: 1×90KW VOLVO PENTA D7MD
Bow Thruster	2×8 t (CPP 2 X 500KW)

DECK EQUIPMENT

Towing Winch	2×150T 0-9m/min
Capstan	2×5t @ 15m/min
Tugger	2×12t @ 15m/min
Deck Crane	1×2t @10m

SAFETY & FIFI

Life Raft	4×30 Persons
Rescue Boat	1×6 men
FiFi	FIFI-1 ; 2×1200cu.m/h

NAVIGATION & COMMUNICATION

Gyro-Compass	1×SPERRY MK1 Mode10
Magnetic Compass	1×MK-2000S
Radar	1×Highlander RADAR800 (X) 1×Highlander RADAR800 (S)
INMARSAT-C	2×SAILOR6110
GPS	2×SAAB R5
Autopilot	1×Highlander SC200
EPIRB	1×SAILOR SE406IIE406II
NAVTEX	SAILOR 6391