

HAI YANG SHI YOU 630/631/632/633/634/635

GENERAL DATA

Delivery Date	2016-2017
Buider	Shanghai Zhenhua Heavy Industry CO., LTD.
Design	SDARI
Vessel Type	Stand-by Vessel
Flag	CHINA
Classification	CCS
Class Notation	★CSA Offshore Tug / Supply Ship, Stand-By Ship, Fire Fighting Ship 1, Oil Recovery Ship with Cargo Tank, Ice Class B, BWMP, BWMS ★CSM AUT-0

MAIN DIMENSIONS

L.O.A	68.84m
D. Mid.	6.9m
B. Mid.	14.8m
Draft Load	5.7m
Draft Light	4.6m
Scantling Draft	5.865m
Gross Tonnage	2084
Net Tonnage	625
Dead Weight	1750

PERFORMANCE

Maximum Speed	14.5 knots
Economic Speed	13.7 knots
Bollard Pull	80.0 t

DECK CAPACITY

Deck Area	460 sq.m
Deck Cargo	600t
Deck Strength	10 t/sq.m

CARGO CAPACITIES

P. Water	340cu.m
D./B Water	1100cu.m
Diesel Oil	635 cu.m
Bulk	170 cu.m (4 Tanks)
Liquid Mud/Brine/Base Oil	377 cu.m (combined)

DISCHARGING RATES

P. Water	1× 120 cu.m /hr. at 0.8Mpa
D/B Water	1 × 120 cu.m /hr. at 0.8Mpa
Diesel Oil	1× 100 cu.m/hr .at 0.8Mpa
Bulk	2× 37.5 t /hr. at 0.56Mpa
Liquid Mud	2×75 cu.m/hr. at 1.8Mpa
Base Oil	2×75 cu.m/hr. at 1.8Mpa
Brine	2×75 cu.m/hr. at 1.8Mpa



ACCOMMODATION

Crew	18
Passenger	12

MACHINERY&PROPULSION

Main Engine	2 × MAN 7L27/38
Main Power	2× 2555KW, Total 5110KW
Propeller	CPP, D 2900mm
Generator Sets	Auxiliary Generator : 2 ×310KW 400V/50HZ Shaft Generator: 2 × 1000KW 400V/50HZ Emergency generator: 1×93kW 400V/50HZ
Bow Thruster	1×9.4T (Tunnel); 1×6.4T (Tunnel)
Stern Thruster	1×6.4T (Tunnel)

TOWING & AH EQUIPMENT

Winch	WMMP WLS80R
Towing Drum	D52mm×1000m
Towline	D52mm×1000m
Stern Roller	L4000mm×D1800mm,MWL,200T
Towing Pins	1sets/vessel, SWL: 80t
Shark Jaw	1sets/vessel, SWL: 200t

SAFETY & FIFI & ANTIPOLLUTION EQUIPMENT

Life Raft	4set×30Persons, type:self-right inflatable liferaft
Rescue Boat	1set×6Persons; Max speed≥25kn, With 3persons Water jet
FiFi	FiFi 1, Capacity: 2×1200m3/h

NAVIGATION & COMMUNICATION

Gyro-Compass	Sperry/Dual NAVIGAT × MK1
Magnetic Compass	LILLEY & GILLIE/MK2000S
Radar	Highlander RADAR 800/1 SET X-BAND/1 SET S-BAND
INMARSAT-C	HLD/6110/2 SETS
INMARSAT-F	SAILOR/FBB500
MF/HF SSB	HLD/6350/500W
VHF	HLD/6222/2 SETS/25W/6210/2 SETS/25W
GPS	SAAB/R5 DGPS/2 SETS
Facsimile	TAIYO/TF708
Echo Sounder	Consilium Speed Log & Echo Sounder/R1E
Autopilot	HighlanderSC200
Radio	HLD/6003F
EPIRB	SAILOR/SE406- II
NAVTEX	SAILOR/6391
Electronic Chart System	Highlander ECDIS100