

HAIYANGSHIYOU 653/654/655/656

GENERAL DATA

Year Built	2004 / 2004 /2004 / 2004
Builder	Wuchang Shipyard, China
Design	SDARI
Type	Stand-by Vessel
Flag	CHINA
Registry Port	Tianjin
Class NO.	04R3002 / 04C4001 / 04S4015 / 04A4022
IMO NO.	9323223 / 9332286 / 9337781 / 9340154
Call Sign	BFIA / BFIB / BFIC / BFID
Classification	CCS
Class Character and Notations	★CSA Stand-By Ship/Tug/ Offshore Supply Ship/Ice Class B2 Fire Fighting Ship 1;Oil Recovery Ship B;Water Spraying ★CSM AUT-0

MAIN DIMENSIONS

L.O.A.	69.00 m
B. Mld.	14.60 m
D. Mld.	6.85 m
Draft Load	5.50 m
Draft Light	4.5m
Gross Tonnage	1980
Deadweight	1400 t

PERFORMANCE

Maximum Speed	14.0 Knots
Economic Speed	12.0 Knots
Bollard Pull	700 KN

DECK CAPACITIES

Deck Area	335 sq.m
Deck Cargo	500 t
Deck Loading	5 t/sq.m

CARGO CAPACITIES

P. Water	500 cu.m
D./B. Water	575 cu.m
Diesel Oil	669 cu.m
Bulk	170 cu.m (4 tanks)

DISCHARGING RATES

P. Water	100 cu.m/hr at 0.80 MPa
D./B. Water	100 cu.m/hr at 0.80 MPa
Diesel Oil	100 cu.m/hr at 0.80 MPa
Bulk	65 t/hr at 0.50 MPa

ACCOMMODATION

Crew	18 Bunks
Rescue Capacity	10 Bunks



MACHINERY & PROPULSION

Main Engine	2 x YANMAR 8N280M-EV
Horsepower	2 x 3202 HP, Total 6404 HP
Propeller	2 x 4 blades, C.P.P.
Generator Sets	Auxiliary Generator : engine 2 x CUMMINS KTA19-D(M) 403KW 1500RPM generator 2 x HCM534E 360KW 400V 50HZ Shaft Generator: 2 x 1000KW
Bow Thruster	1 x 90 KN / 1 x 60 KN
Stern Thruster	1 x 60 KN

TOWING & AH EQUIPMENT

Winch	1 x ZICOM 800kN , single drum
Towline	1 x 800 m x 56 mm
Shark Jaw	1 set 3500 KN
Towing Pins	1 set 200 KN
Stern Roller	4000 mm x 1600 mm

SAFETY & FIFI & ANTIPOLLUTION EQUIPMENT

Life Raft	6 x 15 Persons
Rescue Boat	1set,Driven by water jet; Speed ≥25 knots with 3 persons Speed ≥19 knots with 6 persons
Life Jacket	39+100 Pcs
FiFi	FiFi 1 ; 2 x 1200 cu.m/hr FiFi Foam Tank: 7.4 cu.m
Antipollution	Dispersant Tank: 10 cu.m Oil Recovery Tank: 172 cu.m

NAVIGATION & COMMUNICATION

Gyro-Compass	Robertson RGC 12
Magnetic Compass	SH-165A
Radar	1 x FR-2125; 1 x FR-2135
INMARSAT-C	1 x FELCOM-12
SSB	1 x FS-5000
VHF	2 x FM-8500
GPS	2 x GP-80
Facsimile	Furuno Fax-207
Wind Indicator	NEI N-54D
Echo Sounder	1 x FE-700
Autopilot	1 x AP9MKS
Radio	1 x FS-5000
EPIRB	1 x 406WH
NAVTEX	1 x NX-500