



VESSEL SPECIFICATION (船舶规范)

M/V HUACHENG (华诚轮)

5440 BHP PSV

REGISTRATION(船舶注册信息)

- Vessel Name: HUACHENG
- Flag: P.R.China
- Home Port: Shanghai
- IMO Number: 9112715
- Official Number: 12333
- Call Sign: BSCM
- Builder: Ital Thai Marine Ltd, Bangkok, Thailand
- Year Built: 1995
- Classification: CCS: "Unrestrict.serv."/supply vessel/+1A1,SF,EO, dk(+)
Complying with IMO
- Sailing Area: World-wide

DIMENSIONS (船舶规范)

- Length Overall: 71.50 M
- Breadth Moulded: 15.80 M
- Max. Draught("S"): 5.6 M
- Depth Moulded: 7.00 M

TONNAGE (船舶吨位)

- Gross Tonnage: 2,042
- Net Tonnage: 885
- Dead Weight: 2541

DECK CAPACITIES (甲板能力)

- Deck Area (Clear): 559 M²
- Crash Rail: 2.50 M
- Deck Cargo: 1,200 Tones
- Deck Strength: 5 T/M²

DECK EQUIPMENT (甲板设备)

- Anchor: 2 x 2,100 Kg, "Hall" type Anchor
- Anchor Chain: 2 x 330 M, 38mm Dia., K3
- Windlass: 2 x separate units, each consisting of:
Chainlifting wheel, mooring drum (cap. : 180m/38mm dia.),
warping head,
- mooring drum : 30-60 m/min. at 6.4 – 2.5 tons



- chainlifter : 23-46 m/min. at 8.3 -3.3 tons
- Tugger: 2 sets : 20 – 40 m/min at 9.8 – 3.9 tons
- Drum capacity: 150m of 22mm dia. wire
- Capstan: 2 sets at stern : 0 – 40 m/min. at 4.5 tons
- Deck crane: Electric-hydraulic Crane, 10 M x 1.5 T
- MOB davit: 1 x separate, single point type,
Elec/hydraul. MOB davit of 1.5t SWL

TANK CAPACITY (舱室容量)

- P. Water: 737 M³
- D. Water: 446 M³
- Brine(system 1): 170 M³
- Brine(system 2): 193 M³
- Fuel: 854 M³
- Base oil: 186 M³
- Drybulk(system 1): 4664 ft³ (3 x 44.0 cbm at s.g. 2.5 max.)
- Drybulk(system 2): 4487 ft³ (2 x 42.9 cbm at s.g. 2.5 max. + 40.8 cbm)
- Liquid Mud (system1): 498.93 M³

TRANSFER RATES (传输速率)

- P. Water: 2 x 125 M³ /hr at 90 m.l.c.
- D. Water: 2 x 130 M³ /hr at 90 m.l.c.
- Fuel Oil: 2 x 130 M³/hr at 90 m.l.c.
- Barite: approx. 60 tons/hr
- Bentonite: approx. 90 tons/hr
- Cement: approx. 60 tons/hr
- Liquid Mud: 2 x 37.5 – 75 M³/hr (18 – 9 bar)
- Brine: 2 x 42.5 – 85 M³/hr (18 – 9 bar)
- Base oil/glycol: 1 x 80 M³/hr (18 bar)

MACHINERY (机器设备)

- Main Engine: 2 x MAN-B&W-ALPHA, Type 8L-28/32A-DVO
Total: 4000KW / 5440 bhp
- Propeller: 2 x CPP Propellers: 3.1m dia. / 4 blades make: Alpha
Electrically driven / C.P. blades
- Generator: Diesel Generators: 2 x 375 KVA
Shaft Generators: 2 x 1500 KVA
Emergency Generator: 1 x 73 KVA
Voltage Rating: 450V/230V/24V
Frequency: 60Hz
- Thrusters: 2 Bow Thrusters: 1472KW / 2000 hp total output
1 Stern Thruster: 736KW / 1000 hp, make: Ulstein
- Rudders: 2 x spade (“Flap” – type), split or synchronically controlled

SPEED and CONSUMPTION (航速与油耗)

- Speed: 14.5 Knots Maximum



- Fuel consumption: Proceeding at 9 kn.: 4.5 tons/day
11kn: 6.0 tons/day
13 kn: 10.0 tons/day(economic speed)
14.5 kn:19.0 tons/day
Idling/standby: around 2.5 tons/day
Operational rigsite: 8.0 tons/day

NAVIGATION/COMMUNICATION (航海设备)

- Joystick control: Ulstein type: Poscon
- Gyro Compass: Tokimec type: TG 3000
- Magnetic Compass: Observator type: Pilot Electric MK-3
- Auto Pilot: Robertson type: AP-9MK-II
- Echo Sounder: 1, Skipper type: DGS 101 / Radio Holland type:
2, Radio Holland type: Dogger-42 EI 4242C
- Radar: 1, FURUNO type: RDP-124 ARPA
2, FURUNO type: RDP-124 ARPA
- Weather Fax: FURUNO type: Fax-207A
- Navtex: FURUNO type: NX700
- Satellite Navigator: Debeg type: 4400B
- VHF: 1, Sailor type: RT - 2047
2, Sailor type: RT - 2048
- Portable VHF: 3 x Sailor type: SP-3110
- GMDSS Sys: Sailor with Inmarsat C system

ACCOMMODATION (住宿)

- Total Berths: 22 (10 single cabin, 3 x 4 person cabins)
- Crew members: 12
- Passenger: 4 persons
- Central air & heat: Fully air conditioned / heated