



VESSEL SPECIFICATION

M/V HUAPENG

15,612 BHP

REGISTRATION

- Vessel Name: HUAPENG
- Flag: China
- Home Port: Shenzhen
- IMO Number: 9011765
- Design: ME 303 MkII
- Call Sign: A8TK5
- Builder: U.D.L., Singapore
- Year Built: 1993
- Classification: DNV, +1A1,+MV,E0,Tug/Supply,OIL REC,SF, DYNPOS-AUTR
- Sailing Area: World-wide

DIMENSIONS

- Length Overall: 73.60 M
- Length BP: 63.60 M
- Breadth Moulded: 16.40 M
- Max. Draught("S"): 6.85 M
- Min. Draught: 4.50 M
- Depth Moulded: 8.00 M
- Freeboard, Summer:1.16 M

TONNAGE

- Gross Tonnage: 2,345 Tons
- Net Tonnage: 924 Tons
- Dead Weight: 2,751 Tons
- Displacement: 5,244 Tons
- Light Ship: 2,493 Tons

DECK CAPACITIES

- Deck Area (Clear): 41.70 M x 13.30 M = 554.6 M²
- Crash Rail: 2.60 M forward / 1.10 M aft
- Deck Cargo: 1,200 Tones (Centre of Gravity 1.0 metre above deck)
- Deck Strength: 5 T/M²

DECK EQUIPMENT

- Anchor: 3 x 2,000 Kg with 865 metres of 40 mm K3 chain
- Crane: 1 telescopic crane (S/B side)
5 tonnes on 10.0 metres arm



- Tugger Winch: 10 tonnes on 5.0 metres arm
- Capstan: 2 x 15.0 tonnes pull
- Bollard Pull : 2 x 10.0 tonnes pull
- Main Tow Wire : Continuous 168 tonnes (DnV-approved)
- Spare Tow Wire : 1 x 1,400 meters x 76 mm
- Work Wire : 1 x 1,400 meters x 76 mm
- Storage reels : 1 x 750 meters x 76 mm and 1 of 150 metres x 76 mm
- Winch : 1 x 1,200 metres x 76 mm wire capacity
- Winch Capacity : 1 of 2 x 1,400 metres x 60 mm wire capacity
- Wildcats: Brattvaag Triple-drum of 300 tonnes pull / 400 tonnes break load
- Towing Pins : 2 x 76 mm for rig chain and 2 x 84 mm for rig chain are onboard
- Wire/Chain Stopper : 1 x 120 mm for rig chain is available but stored ashore
- Chain Locker : Starboard cable lifter has a bearing supporting bracket :
300 tonnes pull x 76 mm chain
272 tonnes pull x 84 mm chain
191 tonnes pull x 120 mm chain
- Stern Roller: 4 x hydraulic towing pins with flaps. SWL 240 tonnes
- Pelican Hook : 2 x Standard Karm Forks. Air gap 102 mm. SWL 500 tonnes
- Grapple : 2 x Giant Karm Forks. Air gap 165 mm. SWL 750 tonnes
- Chain Chaser : 2 x 80 M³ = 160 M³ total (Abt. 2 x 900 metres of 76 mm rig chain)
- Smit Bracket : 250 cm x 600 cm – SWL 500 tonnes
- Chain Stopper : 1 x 76 mm wire – SWL 75 tonnes
- Stopper Shoes : 1 x Bel 109/159 – SWL 100 tonnes
- Stopper Shoes : 1 x Bel J101 – SWL 100 tonnes
- Stopper Shoes : 1 x 250 tonnes SWL – located on forecastle deck
- Stopper Shoes : 1 x 102 mm – SWL 85 tonnes
- Stopper Shoes : 1 x 102 mm – SWL 75 tonnes
- Stopper Shoes : 1 x 152 mm – SWL 75 tonnes

TANK CAPACITY

- P. Water: 710.2 M³
- D. Water: 816.2 M³
- Brine: 396.7 M³, Max S.G.:2.8
- Fuel: 1,050.4 M³
- Base oil: 252.2 M³
- Dry bulk: 284.0 M³, 4 tanks (2 x 3,745 ft³ + 2 x 1,270 ft³)
- Liquid Mud: 462.8 M³
- Oil Recovery: 1,064.2 M³

TRANSFER RATES

- P. Water: 250 M³ /hr at 90 metres head, 9 bar
- D. Water: 250 M³ /hr at 90 metres head, 9 bar
- Fuel Oil: 250 M³ /hr at 90 metres head, 9 bar
- Dry Bulk: 150 tonnes /hr at 90 metres head, 80 psi
- Flow Meters: Flow meter with printout facility for fuel oil
- Liquid Mud: 150 M³ /hr at 90 metres head, 18 bar
- Brine: 150 M³ /hr at 90 metres head, 18 bar



- Base oil: 100 M³ /hr at 90 metres head, 9 bar
- Couplings, line: Weco 5'', Weco 6'' and Avery Hardoll 4''
Several reducers available on board

MACHINERY

- Main Engine: 2 x Wartsila Vaasa 3,346 BHP
2 x Wartsila Vaasa 4,460 BHP
Total: 15,612 BHP
- Propeller: 2 x CPP Propellers: 3.6m dia. In nozzles
- Generator: Shaft 2x 1,800 kw
Diesel 2 x 288 kw
Emergency 1 x 120 kw
Voltage 440 V, 60 Hz
- Fuel Type: Gas Oil
- Thrusters: 1 x 1,088 BHP / 800 Kw Retractable Azimuth (forward)
1 x 1,000 BHP / 735 Kw c.p.p. in tunnel (forward)
1 x 1,200 BHP / 882 Kw c.p.p. in tunnel (aft)
- Rudders: Spade rudders of U.D.L design
- Joy Stick: Poscon Joy Stick Manoeuvring System, portable

SPEED and CONSUMPTION

- Speed: 16 Knots Maximum
- Fuel consumption: Proceeding at 10 kn.: 10.0 tons/day
12kn: 12.5 tons/day
16 kn: 45.0 tons/day
Idling/standby: around 1.6 – 5.0 tons/day on Azimuth only

NAVIGATION/COMMUNICATION

- Joystick control: type: Kongsberg C-joy
- Gyro Compass: Gyrostar with repeaters
3 x Sperry marine, Navigat X MK1
- Auto Pilot: Anschutz Nautopilot D
- Echo Sounder: Skipper ED 161 with repeaters
- Radar: 1 x Racal AC-S 2490, 10 cm
1 x Racal BT-360 with repeater, 3 cm
- Chart Maschine: Max Sea
- Direction Finder: Taiyo TD-C318
- Satellite Navigator: Furuno GP 500 (GPS) Furuno GP 90 (GPS)
- Navtex Receiver: Furuno NX 500
- Log: Ben Galatee Marine Mk3
- Anti Rolling System: 2 x Maritime Engineering Anti rolling tanks
- VHF-homer: ADDF TD-L1520
- VHF: 1, Raytheon STR 8400 with DSC
1, Sailor RT 5020 DSC Duplex
2, Sailor RT 2047
- Portable VHF: 3 x Tron VHF GMDSS
- Internett: Sea – tel(Sev-sat)
- Mail: GSM, Mini-M



- Helicopter Transceiver: Jotron TR 6102
- Radio Beacon: Skanti TU 8250 B
- SART: 2 x Tron Radar Transponder 9 GHz
- EPIRB: Tron 30 S MkII Cospas-Sarsat
- AIS: SAAB R4 AIS Class A Transponder system
- Telephone: GMS mobile, Sev-sat, Mini-M GSP3000
- Telefax: GSM Mobile Fax. Mini-M fax GSP3000
- Radio Station: GMDSS – Sea area A3
Inmarsat C: Furuno Felcom 15. Sailor TT-3020C Transceiver
MF/HF Radiotelefon DSC, model FS

DYNAMIC POSITIONING SYSTEM

- Make: Kongsberg K-POS DPC2 System (updated: JULY 2010)
- Reference Systems: -Dual DGPS System — 1. DPS232 with demodulator
2. DPS122 with demodulator
- HPR System — Kongsberg Simrad HIPAP450.
- Kongsberg RADIUS System
- E. R. N.: 99-99-80

ACCOMMODATION

- Crew and Passenger: 7 x 1 berth
9 x 2 berth
1 x 4 berth
1 x 8 berth
1 x 9 berth (sofa)
1 x 10 berth
- Hospital: 1 x 3 berth
Totally 59 berths
Large hospital and reception room.
Officer / Crew cabins with shower / toilet.
All accommodation fully air-conditioned.

Safety Equipment

Approved for 230 survivors acc to NMD / KAD regulations
Fast Rescue Boats 2 x Seabear 23 MkII design (Pick-up boat)
Acc. To SOLAS for World Wide Operation
Fire fighting: 1200 cubic meters/hour