



VESSEL SPECIFICATION 船舶规格

M/V HUACAI (华财)

8,160 BHP AHTS

REGISTRATION (注册信息)

- Flag (船旗): China
- Home Port (船籍港): Shenzhen
- Call Sign (呼号): BOOH
- Builder (造船厂): China, Jaya Shipyard
- Year Built (建造年份): 2005
- Classification (船级): CCS, +A1, offshore support vessel & FIFI Class 1, DPS 2 + AMS

DIMENSIONS (船舶尺寸)

- Length Overall (全长): 70.00 M
- Length Waterline (水线长): 66.46 M
- Breadth Moulded (型宽): 16.80 M
- Max. Draught("S") (最大吃水): 6.10 M
- Depth Moulded (型深): 7.50 M

TONNAGE (吨位)

- Gross Tonnage (总吨): 2,679
- Net Tonnage (净吨): 803
- Dead Weight (载重吨): 2,364 Tons

DECK CAPACITIES (甲板容量)

- Deck Area (Clear) (甲板面积): 500 M²
- Deck Cargo (甲板货): 800 Tones
- Deck Strength (甲板强度): 7.5 T/M²

DECK EQUIPMENT (甲板设备)

- Bow Anchor (锚): 2 x 1,980 Kg AC14
- Chain (锚链): 467.5 m x 46mm Grade U2 each side
- Anchor Windlass (锚机): 1 x electro-hydraulic Brattvaag BFMG63.046
- Drum (滚筒): suit for 230 m (L) x 60 mm SWR rated pull 22 mt @ 0-14 m/min @ 1st layer



- Gypsies (锚链滚筒) : suit for 46 mm chains rated pull 16 mt @0-18 m/min
- Warping Drum (绞缆滚筒) :500 mm (dia) x 500 mm (L) rated pull 17mt @0-18 m/min
- Deck Crane (吊机) : 1 x 2 t @ 12.2m/5.5 t @ 8m
- Tugger Winch (小绞车) : 2 x 10.0 tonnes pull
- Towing Winch (拖缆机) : 1 x electro-hydraulic double drum
- Upper Drum Cap (Tow) (拖缆滚筒容量) :1 x 1400m (L) x 58 mm
- Lower Drum Cap (AH) (起抛锚滚筒容量) :1 x 1400m (L) x 58mm
- Line Pull(low speed) (拖缆参数) :225 mt @ 0-4.6 m/min @ 1st layer
121 mt @ 0-7.1 m/min @ 1st layer
48 mt @ 0-14 m/min @ 1st layer
- Brake Capacity (刹车) : 275 mt
- Capstan (尾绞盘) : 2 x 10.0 tonnes pull
- Bollard Pull (系柱拖力) : 102 tonnes
- Towing Pins (拖带插销) : 2 x hydraulic towing pins
- Stern Roller (尾滚筒) : 5m (L) x 2.5 m (dia)
- Shark Jaw (鲨鱼牙) : 1 set 400mt

TANK CAPACITY (舱容)

- P. Water (生活水) : 387 M³
- D. Water (钻井水) : 443 M³
- Fuel (燃油) : 1,250 M³
- Dry bulk (干散货) : 226.0 M³ , 4 tanks (4 x 2,000 ft³)
- Liquid Mud (泥浆) : 490 M³
- Freezer/Chiller (冻库) : 12 M³
- Foam/Detergent (泡沫/消油剂) : 21 M³
- Rig Chain Locker (储链舱) : 74 M³ each side

TRANSFER RATES (传输速率)

- P. Water (生活水) : 1 x 200 M³ /hr at 90 metres head, Allweiler
- D. Water (钻井水) : 1 x 150 M³ /hr at 90 metres head, Allweiler
- Fuel Oil (燃油) : 1 x 200 M³ /hr at 90 metres head, Allweiler
- Dry Bulk (干散货) : 2 x 20 M³ /min at 80 psi air compressors, Aiman
- Liquid Mud (泥浆) : 2 x 75 M³ /hr at 240 metres head, Allweiler

MACHINERY (机械设备)

- Main Engine (主机) : 2 x 3,000 kw (4080 bhp) @750 rpm Wartsila 6L32
- Propeller (螺旋桨) : 2 x CPP Propellers (可调螺距)
- Generator (发电机) : Main 2 x 410 kw @ 1800 rpm Caterpillar 3408 DITA c/w Leroy Somer LSAM
47.1L9 rated at 370 kw/440V/3Ph/60 Hz
Shaft 2 x 2300 kw @ 1800 rpm ABB AMG 500L4 rated at 440V/3Ph/60 Hz



Emergency 1 x 60 kw @ 1800 rmp Olympian GEP 65-3 c/w Leroy Somer
LL2014 rated at 52 kw/440V/3Ph/60 Hz

- Steering Gear (操舵装置) : 2 x Wanger LA29. 1-45-cb2: 9TM 45 deg angle
- Thrusters (侧推) :
 - 2 x 680 kw electric driven Kawasaki (Bow) KT-88B3 tunnel type (CPP) 10T
 - 1 x 680 kw electric driven Kawasaki (aft) KT-88B3 tunnel type (CPP) 10T
- Rudders (舵) : 2 x Becker rudders

SPEED and CONSUMPTION (船速及油耗)

- Speed (船速) :
 - Maximum (最大) : 14 Knots
 - Economic (经济) : 11 knots
- Fuel consumption (油耗) : 30 m3/24 hours @ max speed
17 m3/24 hours @ eco. Speed

NAVIGATION/COMMUNICATION (航行通讯设备)

- Joystick control (操控) : C-Joy SJS01 Kongsberg
- GMDSS (全球海上遇险安全系统) : Furuno RC-1800T
- SSB (单边带) : 1 x Furuno FS-1562-25
- Inmarsat C (C 站) : 1 x Furuno Felcom 12
- VHF Radio (甚高频) : 2 x Furuno FM 8500
- Gyro Compass (电罗经) : 1 x Anschuetz Standard 20
- Magnetic Compass (磁罗经) : 1 x Cassens & Plath Reflector 5
- Auto Pilot (自动舵) : 1 x Anschutz Pilotstar D
- Echo Sounder (测深仪) : 1 x Funuro FE 700 plus repeater FE720
- DGPS (全球定位仪) : 1 x Funuro GP 80
- Radar (雷达) : 1 x Furuno FR 2115
1 x Furuno FR2135S
- Weather Fax (气象传真) : 1 x Funuro Fax 207
- AIS (船舶自动识别系统) : 1 x Furuno FA-100
- Navtex Receiver (航警接收机) : 1 x Furuno NX 500
- Speed Log (计程仪) : 1 x Funuro DS-80
- DP (动力定位系统) : DP2
- Portable VHF (应急甚高频) : 3 x Mcmurdo R2
- SART (搜救雷达应答器) : 2 x Mcmurdo RT9
- EPIRB (应急无线电示位标) : 1 x Mcmurdo E3A
- CCTV (视频监控系統) : Yes

FIFI EQUIPMENT (消防设备)

EXTERNAL (外部)

- FIFI System (消防等级) : Class 1



Shenzhen Huawei Offshore Shipping Transport Co., Ltd.

- Fire Pump (消防泵) : 2 x 1705m³/hr @ 13 bar unitor SEP 250 x350
- Monitor (消防炮) : 1 x 300 – 1500 m³/hr (water/foam) 1 x 1500m³/hr(water) Throw length/height 120m/45m
- Oil Dispersant System (消油系统) :1 set Unitor c/w 2 spreay booms of 6 nozzles each

INTERNAL (内部)

- Emergency Fire Pump (应急消防泵) :1 x 35m³/hr @ 50m head
- BA Recharging Comp (消防能力) :1 x 260ltrs/min @ 300 bar, MCH 16/E-TS

ACCOMMODATION (住宿)

- Crew and Passenger (船员旅客) : 10 x 1 berth
15 x 2 berth
Total 40 berth
- Hospital(病房): 1 x 1 berth
All accommodation fully air-conditioned (中央空调) .

SAFETY EQUIPMENT (救生)

Rescue Boat (救助艇) : 1 x 6 men