

# VESSEL SPECIFICATIONS

## 21760BHP / BP 296MT / DP2 AHTS

### REGISTRATION (注册信息)

- Vessel Name (船名): TBD
- Flag (船旗国): China
- Home Port (船籍港): Shenzhen
- IMO Number (IMO 编号): TBD
- Design (设计号): **WS 655I**
- Call Sign (呼号): TBD
- Builder (建造船厂): TBD
  
- Year Built (建造年份): 2015
- Classification (船级): ★CSA.Tug/Offshore Supply Ship/Fire Fighting Ship1/Stand-by Ship Water Spraying、SPS、Ice Class B、In-Water Survey.BWMP(MEPC.127(53))  
★CSM. AUT-0、DP-2、CMS、SCM、ECM、SEC、COMF(VIB)3.
- Sailing Area (航区): World-wide

### DIMENSIONS (船舶尺寸)

- Length Overall (总长): 89.20 M
- Length BP (型长): 79.20 M
- Breadth Moulded (型宽): 22.00 M
- Depth Moulded (型深): 9.00 M
- Max. Draught (最大吃水): 7.55 M / Trial Speed: 15.8 Knots

### TONNAGE (吨位)

- Gross Tonnage (总吨): 6172
- Net Tonnage (净吨): 1851
- Dead Weight (载重吨): 5092 Tons

### DECK CAPACITIES (甲板载货能力)

- Deck Area (甲板面积): 45 M x 18.40 M = 828 M<sup>2</sup>
- Crash Rail (挡货架): 3.0 M
- Deck Cargo (甲板货): 1,800 Tons ( Centre of Gravity 1.0 metre above deck)
- Deck Strength (甲板强度): 10.0 T/M<sup>2</sup> ( at #-#26Frame)5.0T/ M<sup>2</sup>( #-#71Frame)

### DECK EQUIPMENT (甲板设备)

- Anchor (锚): 3 x 4320 Kg with 962.5M of 54 mm K3 chain
- Tugger Winch (绞车): 2 x 17.0 Tons pull at 0-31M/min
- Capstan (尾绞盘): 2 x 15.0 Tons pull at 0-21 M/min

- Crane (克令吊) : 1 x Hydraulic Crane on Port side Deck  
Main Hook SWL 15t-14M/12t-17M 0-20M/min  
wire 200M AUX Hook SWL 2t-18M 0-40M/min  
1 x Hydraulic Crane on S/B side Deck  
SWL 15t-14M/12t-17M 0-20M/min wire 60M

### **TOWING/ANCHOR HANDLING** (拖带/起抛锚设备)

- Windlass/Mooring winch (锚机) : 2 x 17.5 Tons pull at 0-11M/min 54mmk3 Chain
- Anchor Handling winch (起抛锚缆机) :  
1 x 6800M x 84mm wire Capacity  
450Tons at 0-15m/min pull  
1st 625Tons Static brake
- Towing winch (拖缆机) :  
ROLLS-ROYCE  
2 x 3150m x 84mm wire capacity  
450Tons at 0-15m/min pull  
1st 625Tons Static brake
- Secondary winch (备用缆机) :  
2 x 5000m x 84mm wire capacity  
138Tons at 0-28m/min pull  
1st 170Tons dynamic brake
- Storage reels (储链滚筒) : 1 x 1600 M x 76 mm wire capacity
- Stern roller (尾滚筒) : 2 x dia 3.5M x 3.0M SWL 885 Tons
- Wire/Chain stopper (鲨鱼牙) : 2st TRIPLEX Shar Jaw 1.3M High. SWL 750 Tons
- Side Towing Pin (拖带插销) : 2st side in 440mm SWL 200 Tons
- Rig Chain (锚链舱) : 2 x124.5 M<sup>3</sup>+2 x142.9 M<sup>3</sup>=534.8 M<sup>3</sup>

### **TANK CAPACITY** (舱室容积)

- Drill/Ballast water (钻井/压载水舱) : 3296.4 M<sup>3</sup>
- Fresh(portable) water (饮用水舱) : 933.2 M<sup>3</sup>
- Liquid mud (泥浆舱) : 922.6 M<sup>3</sup>
- Fuel oil (燃油舱) : 1497.4M<sup>3</sup>+922.6 M<sup>3</sup> (with Liquid Mud tank ) =2420 M<sup>3</sup>
- Brine water (盐水舱) : 1208.4 M<sup>3</sup>
- Base oil (基油舱) : 192.0 M<sup>3</sup>
- Dry Bulk (干散货舱) : 417.6 M<sup>3</sup> (8 x52.2 M<sup>3</sup>)
- Methanol (甲醇舱) : 73.2 M<sup>3</sup>

### **TRANSFER RATES** (传输速率)

- Drill/Ballast water (钻井水) : 2 x200Tons/hr --9bar
- Fresh(portable) water (饮用水) : 1 x200Tons/hr --9bar
- Liquid mud (泥浆) : 2 x75 M<sup>3</sup>/hr—18bar EI-Frequency Controlled
- Fuel oil (燃油) : 1 x200 M<sup>3</sup>/hr --9bar
- Brine water (盐水) : 1 x75M<sup>3</sup>/hr --9bar
- Base oil (基油) : 1 x150 M<sup>3</sup>/hr --9bar
- Dry Bulk (干散货) : 150Tons/hr --90m head 5.6bar
- Methanol (甲醇) : 1 x750M<sup>3</sup>/hr --12bar(Hydraulic driven)

### **MACHINERY** (机械设备)

- Main Engine (主机) : 4 x Wartsila 8L32-40 4000kw

- Auxiliary Engine(辅机): Total: 16000kw/21760 BHP  
2 x Cummins KTA19-D(M)
- Bollard Pull (系柱拖力): 296.2 Tons
- Propeller (推进器): 2 x CPP Propellers: 4.6m dia. In nozzles
- Generator (发电机): Shaft Generator 2x 2500 kw  
Diesel Generator 2 x 400 kw  
Emergency Generator 1 x 250 kw
- Fuel Type (燃油型号): Gas Oil
- Thrusters (侧推): 1 x Rolls-Royce 1200kw(1632BHP) Retractable Azimuth (forward)  
1 x Brunvoll 1200kw(1632BHP) c.p.p. in tunnel (forward)  
2 x Brunvoll 830kw(1128BHP) c.p.p. in tunnel (aft)  
Total:5520 BHP

### **NAVIGATION/COMMUNICATION (航行通导设备)**

- Joystick control (操控手柄): Wartsila
- Gyro Compass (电罗经): 3 x Anschutz Standard 22
- Magnetic compass (磁罗经): 1 x MK200 (SCH 105)
- Auto Pilot (自动舵): 1 x Anschutz Nauto pilot 2015
- Echo Sounder (回波测深仪): 1 x JWC F-3000W 1 x GDS 102
- Radar (雷达): 1 x Raytheon X-Band with ARPA 900-025 23" Disply  
1 x Raytheon S-Band with ARPA 900-025 23" Disply  
1 x 19" Remote Disply
- ECDIS (电子海图): 1 x Raytheon 950-009 2 x 22" Disply
- Speed Log (航速记录仪): 1 x Lilley & Gillie 7070MK 2R
- AIS (船舶自动识别系统): 1 x Raytheon R4 AIS
- Weather Fax (气象传真): 1 x JWC FX-330
- GMDSS: Sailor:Sailor 6000、EPRB(SE 406-11)、SART11、2WAY  
VHF(SP3520A)、JMC: Navter Receiver(NT-2000)
- Inmarsat FBB (卫通): Sailor 250
- VHF Radiotelephone (甚高频): 2x ICOM IC-M422
- DGPS (差分全球定位系统): 2x FURUNO GP-150
- 可随时与陆地进行通讯联系和收发电子邮件

### **SAFETY EQUIPMENT (救生设备)**

- Ring Buoy (救生圈): 12
- Search Light (搜救灯): 2
- Life Jacket (救生衣): 74
- Life Raft (救生筏): 8 (200 人, 每侧 100 人)
- Rescue Boat (救生艇): 2 x Rescue boat
- Rescue Net (救助网): on each side of the vessel
- Rescue Zones (营救区): Yes
- Emergency Radio (应急无线电台): KSNNAD 406FH
- Emergency Life Buoy Marker: Yes
- Radio Distress Transmitter(无线遇险发射器): Yes
- EPIRB (应急定位仪): Yes
- Security Alarm System (保安报警系统): Yes
- CCTV System for Deck (甲板视频监控系统): 是, 视频存储 1 个月以上

## DYNAMIC POSITIONING SYSTEM (动力定位系统)

- Make (生产厂家): Kongsberg K-POS DP-21 With C-Joy
- Reference Systems (参照系统): Kongsberg Simrad HIPAP 500、MRU、Cyscan Laser、TAUT Wire、2 x DGPS with 2 x Spotbeam.

## ACCOMMODATION (住宿)

- Crew and Passenger (船员和旅客床位): 13 x 1 berth  
3 x 2 berth  
10 x 4 berth  
Total:59 berths
- Hospital (医院): 1 x 2 berths
- All accommodation fully air-conditioned.

## FIRE FIGHTING (消防设备)

- Fire fighting: I. Fine Pump 2 x 1800 M3/hr
- Monitors: 2 x 1200 M3/hr、Water spraying

## ANTIPOLLUTION (防污染)

- Oil Dispersant system: 1 boom on each side with 5 spray nozzles: the system connected with Oil dispersant

## MISCELLANEOUS (其他)

2 Client Offices, Gym, 2 Laundry Compartments, 2 Galleys, Change Rooms on 2 deck levels w/ Showers

