

# 4400BHP UTILITY AHTs

Classification	BV I ❄️HULL ❄️ MACH Tug, Fire Fighting Ship 1, Water Spraying, Special Service - Anchor Handling Vessel/Offshore
Notation:	Support Vessel/Standby Vessel, unrestricted navigation
Navigation Areas:	UNRESTRICTED
Flag:	HONG KONG
Year Built:	2017, Ready for Delivery

## MAIN PARTICULARS

Length O.A. Length	42.00 m
B.P.	36.45 m
Beam MLD.	11.00 m
Depth MLD.	4.90 m
Accommodation	26 Ps
Design Draft	3.50 m
Max Draft	4.15 m
GT NT	497.00
Trial Speed	149.00
	~15.51 Kn

## CAPACITY & LOADING

F.O	~326.02 m <sup>3</sup>
F.W.	~83.32 m <sup>3</sup>
FiFi Foam	~9.07 m <sup>3</sup>
Dispersant	~5.77 m <sup>3</sup>
Daily F.O. tank(P)	10.14 m <sup>3</sup>
Daily F.O. tank(S)	8.24 m <sup>3</sup>
Lub. Oil	~3.17 m <sup>3</sup>
Cargo deck area	~160.00 m <sup>2</sup>
Cargo deck load Deck thickness of	5.00 ton/m <sup>2</sup> 22 mm
anchor handling area	

## MAIN DECK MACHINERY

- 1 x Electric anchor windlass**
  - Bow anchor 2 x 660kg
  - Anchor chains:Φ26mm x 275m, AM2
- 1 x Hydra. Capstan**
  - Φ22 mm, 5ton x 15 m/min
- 1 x Hydra. Tugger Winch**
  - Φ22 mm, 10/5ton x 15 m/min
- 1 x Hydra. Anchor handling & Towing Winch set**
  - Type: Double drum - Reel Storage (Wire):Φ52mmx1000m - Steel Wire equipped on actual vessel: Φ52mm x 600 m)
  - Line pulling : 65ton
  - Brake holding : 180ton
- 1 x Hydraulic Folding Type Crane(\*)**
  - SWL0.95ton@11.60m
- 1 x Hydraulic Strong Jaw & Towing Pin**
  - Capacity 200ton, 1 x Stern Roller
  - Φ1.6M x 4m, SWL 200ton

## MAIN MACHINERY & PROPULSION UNIT

<b>Main Engine</b>	2 x Cummins QSK60-M	
BHP	2200BHP @ 1800RPM	
<b>Reduction Gear Box</b>	2 x Twin Disc MGX5600	
Ratio	5.76 : 1	
<b>Fixed Pitch Nozzle</b>	2 x 4 blades	
<b>Propeller</b>		
<b>Bow Thruster</b>		
Power	1 x JYG16FP(Front/aft	control
Thrust	console)	
<b>Main Marine Genset</b>	200kW	
Power	3.5ton	
<b>Emergency/harbour</b>	2 x Cummins 240MXDG	
<b>Genset Power Electro-hydraulic steering-gear</b>	240kW/ 400V/ 50Hz/ 3 Φ	
Maker	1 x Cummins CCFJ-60Y	
<b>Other main pump sets</b>	60kW / 400V/ 50Hz/ 3 Φ	
	1 x 3.5 T-M	
	Marine Equipment	
	Desmi	

## MAIN AUXILIARY SYSTEM

Bilge Oily Water Separator	1 x 0.5m <sup>3</sup> /h(comply MARPOL)
Sewage Treatment Plant	1 x 30-33ps(comply MARPOL)
Sea / Fresh Water Pressure Set	1 x 200 L / 100 L
Electric Hot Water Heating	1 x 100 L, 18kW
Sea Water Desalination Plant(*)	1 x 0.25 m <sup>3</sup> /h
Electric Air Compressor (own Air Reservoir)	1 x 0.20 m <sup>3</sup> /min @ 8 kg/cm <sup>2</sup>
Emergency Electric Fire Pump	1 x 80 L @ 8 kg/cm <sup>2</sup>
Oil Dispersant Dispersing Boom	1 x 25 m <sup>3</sup> /h @ 0.43Mpa 2 x 6m
	Droplet Size
E/R Electric Ventilation Fan	500-1200micron
External F. W. Supply Pump Set	2 x 30,000 m <sup>3</sup> /h @ 490 Pa
External F. O. Supply Pump Set	1 x 36 m <sup>3</sup> /h 1 x 36 m <sup>3</sup> /h

## MAIN LIFESAVING & FIFI EQUIP.

- In compliance with the SOLAS requirements as regards such GRT class Anchor Handling Tug, Lifesaving & FIFI equipment. - Engine room CO<sub>2</sub> Quick FIFI system as per BV Rules - **Electric remote control water/foam dual purpose Monitor:** 2 x 1200m<sup>3</sup>/h
- **External FI-FI Pump:** Single step horizontal centrifugal pump 1 x 2450m<sup>3</sup>/h.

## MAIN RADIO & NAV. EQUIP.

Radar	1 x Furuno FAR-2117
Echo Sounder	1 x Furuno FE-700
Speed Log	1 x Furuno DS-80
Anemometer	1 x Furuno FI-50
Electrical Horn	1 x Furuno GP-150
Autopilot(*)	1 x IBUKI ES300
Vertical Periscopic	1 x Navitron NT-777
Reflector Compass	1 x CGT-165
Steering Magnetic	
Compass	
Sound Power Tele.	1 x CPT-130
Public address system	
AIS	1 x HSQ-1
<b>A3 sea GMDSS</b>	1 x CKY
MF/HF SSB	
Inmarsat-C (SSAS)	1 x Furuno FA-150
Inmarsat-C	
VHF telephone	
NAVTEX	1 x Furuno FS-1570
SART	1 x FELCOM-15(IC-307)
EPIRB	
Portable VHF	1 x FELCOM-15
	2 x Furuno FM-8800S
	1 x Furuno NX-700B
	1 x McMurdo S 4
	1 x McMurdo E 5
	2 x McMurdo R 5

## AIR COOLER SYSTEM

- Centralized air conditioning system (cooling) for wheelhouse, mess and accommodation spaces.
- Additional split-type air conditioner for engine centralized control room.

## CABINS & AUXILIARY CABINS

- 2 x single Senior Officer Cabins
- 2 x two men Cabins
- 5 x four men Cabins
- 1 x Combined Provisions Freezer
- 1 x Emergency Generator Room
- 1 x Engine Centralized Control Room
- 1 x Slop Tank
- 1 x Residual Oil Tank
- 2 x Sanitary Sewage Tank
- 1 x Foam Tank
- 1 x Dispersant Tank
- 1 x AHU Room

(Remarks \*) are as additional items, which are not included in the quotation. If the buyer of this vessel needs to keep these additional items, the buyer must additionally pay the fee.)

(Particulars given herein are believed to be correct but not guaranteed. Owners reserve the rights to amend specifications without notification.)