



### SPECIFICATION OUTLINE

## 60m MPP AHTSF VESSEL (DP2)

Vessel Developer	South China Marine Ltd.
Shipyard	South China Shipyard
Classification Notation	BV I ✱ HULL, ✱ MACH, ✱ DYNAPOS AM / AT R, Supply vessel / Tug / Special Service – Anchor Handling Tug, Special Service – Offshore support vessel / Standby vessel, Fire-fighting Ship 1 - Water spraying, unrestricted navigation
Navigation Areas	UNRESTRICTED
Flag	Hong Kong
Year Built	Under construction

Main Particulars	Main Machinery & Propulsion Unit	Main Radio & Nav. Equip.
Length O.A. 60. 00m	<b>Main Engine Sets</b> 2 x 2,100 BHP @1,600RPM Model CATERPILLAR 3516B Maker CATERPILLAR	Radar 1 x JRC JMA-5312-6 Echo Sounder 1 x JRC JFE-380 Speed Log 1 x EML-500HV1 Wind sensor 2 x Gill Ultrasonic 1 x OMC-60 2 x DPS 110
Length B.P. 52. 50m	<b>Reduction Gear Box</b> 2 x HITACHI NICO Model MGRP1817VC Ratio 7.59:1	DPS 2 x DPS 110 Motion Reference Unit 1 x MRU-D GPS 1 x JRC JLR7500
Beam MLD. 14. 20m	<b>Main Gen. Sets</b> 2 x CATERPILLAR C18 450KW /400V/50HZ/ 3Φ	Electrical Horn 1 x IBUKI ES300 Autopilot 1 x Saura SA-10 Vertical Periscopic 1 x CGT-165
Depth MLD. 6. 00m	Model 1 x CATERPILLAR 3406C Power 245KW /400V/50HZ/ 3Φ	Reflector Compass Gyro compass 3 x CMZ900B Sound Power Tele. 1 x HSQ-1 Public address system 1 x CKY AIS 1 x JRC JHS-182
Accommodation 46 Ps	<b>Emergency/harbour Gensets</b> 1 x Weichai/Deutz 100Kw 100KW/400V/50HZ/3Φ Maker Weichai/Deutz	<b>A3 sea GMDSS</b> MF/HF SSB 1 x JRC JSB-196GM Inmarsat-C 1 x JRC JUE-85 Inmarsat-C(SSAS) 1 x JRC JUE-85/SSAS VHF telephone 2 x JRC JHS-770S NAVTEX 1 x JRC NCR-333 SART 2 x Mcmurdo SARTS4 EPIRB 1 x Mcmurdo E5 Portable VHF 3 x Entel HT-649 Bridge Watch Alarm System 1 x Hostmost HA-300
Design Draft 3. 90m	<b>Hydraulic Folding Type Crane</b> 1 x 2Ton(reach10m)	Main Switchboard TERA SAKI Emergency Switchboard TERA SAKI Accumulator charging and discharging panel TERA SAKI Main lighting TERA SAKI Emergency lighting transformer TERA SAKI
Max Draft 5. 10m	<b>Vessel DP system</b> Model K-POS DP-21 Maker KONGSBERG	
Speed 12. 00Kn	<b>Dry Bulk Handling Sys.</b> Total capacity 4 x 34.00m <sup>3</sup> <b>Dual speed liquid mud pump set</b> 2 x 60/30m <sup>3</sup> /h <b>Other main pump sets</b> DESMI <b>Propeller</b> 2 x 4 blades CPP Model BCP 620 Maker BERG	
Capacity		
Fuel Oil 583. 32 m <sup>3</sup>	<b>Electro Hydra Steering</b> Maker RIQ <b>Bow Thruster</b> 2 x 550KW <b>Stern Thruster</b> 1 x 400KW <b>External FIFI System</b> - Firefighting Monitor	
Fresh Water 274. 16 m <sup>3</sup>	<b>Firefighting Pump</b> - Maker FFS	
Deck Cargo 600. 00 Ton		
Deck Strength 7. 50 Ton/m <sup>2</sup>		
Deck Area ~330. 00 m <sup>2</sup>		
Drill Water 235. 53 m <sup>3</sup>		
Dry Bulk(Cement) 4x34. 00 m <sup>3</sup>		
Liquid Mud 220. 52 m <sup>3</sup>		
Main Deck Machineries		
- 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 : 75Ton Brake holding : 200Ton		
- 2 x Hydra. Capstan 5Ton x 15m/min		
- 2 x Hydra. Tugger Winch 10Ton x15m/min		
- 1 x Hydra. Strong Jaw Capacity 200Ton, rope Size Φ50~75mm/Chain SizeΦ28~75mm		
- 1 x Hydra. Towing Pin Capacity 200Ton, height above deck 700 mm		
- 2 x Hydra Single Side Type Anchor Windlass - 2 x 1740KG anchors, Φ40mm anchor chains of class AM2		
- 1 x Stern Roller Φ1.6m x 5.36m, SWL 200Ton		
Main Lifesaving & FiFi Equip.		
In compliance with the SOLAS requirements, Hong Kong merchant shipping ordinance and class notation requirements as regards Lifesaving & FiFi equipment. CO <sub>2</sub> System as per BV Rules 8 x Life buoy; 53(Two of them for child) x Life jacket; 6 x 25persons Liferaft; Portable Fire Extinguisher: 14 x 9kg foam; 12 x 6kg Dry Powder; 1x 45 L Foam Fire Extinguisher (cart-pushing); 6 sets fireman outfit; 12 x parachute distress rocket; 2 x Orange Smoke signal; 4 x Floating Light		
Air Conditioning		
- Central air conditioning system for wheelhouse, mess, hospital and accommodation spaces; - Split unit air handling (cooling) for ECR.		
Accommodation		
2 x Senior Officer Cabin for single 16 x Senior Crew Cabin for two men 3 x Passenger Cabin for four men Total Accommodation: 46 Ps		

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