



# EDT Hercules

DPII Multi-Purpose Support Vessel (MPSV)



Shipmanagement



TYPE	DPII MULTI-PURPOSE SUPPORT VESSEL (MPSV)
DESIGN	ULSTEIN X-BOW PX 105
OWNER	FOKIDA SHIPPING COMPANY LIMITED
OPERATOR	EDT SHIPMANAGEMENT LTD
BUILT	2014, CONSTRUCCIONES NAVALES DEL NORTE
FLAG	CYPRUS
CALL SIGN	5BAM4

SPC-CHART-005 EDT Hercules Specifications Sheet  
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## GENERAL INFORMATION

<b>Classification</b>	DNV +1A1 CLEAN (DESIGN) COMF-V(3) CRANE DK(+) DYNPOS-AUTR E0 HL(2.8) ICE-C LFL (* ) NAUT-OSV(A) SF SPS
<b>IMO Number</b>	9491422
<b>MMSI Number</b>	210776000
<b>Operation</b>	World Wide
<b>Endurance</b>	45 days plus
<b>Maximum Speed</b>	About 15 knots

## DIMENSIONS

<b>Gross Tonnage</b>	4964	<b>Breadth Moulded</b>	19.0 m
<b>Net Tonnage</b>	1490	<b>Depth to Main Deck</b>	8.0 m
<b>Deadweight</b>	3625.2 t	<b>Draft</b>	6.6 m
<b>Length Overall</b>	88.8 m	<b>Freeboard max draft</b>	1.4 m
<b>Minimum water depth</b>	8m (DP1 operations in calm sea conditions)	<b>Minimum water depth</b>	11m (DP2 operations in calm sea conditions)

## TANK CAPACITIES (@95%) & DISCHARGE RATES

<b>Marine Diesel</b>	1049.69 m <sup>3</sup>	2 pumps @ 50-250 m <sup>3</sup> / hour each
<b>Fresh Water</b>	970 m <sup>3</sup>	2 pumps @ 250 m <sup>3</sup> / hour each
<b>Ballast / Drill Water</b>	1795.77 m <sup>3</sup>	2 pumps @ 250 m <sup>3</sup> / hour each
<b>Liquid Mud</b>	569 m <sup>3</sup>	2 pumps @ 100 m <sup>3</sup> / hour each
<b>Brine (MEG) (SG 2.8)</b>	468.48 m <sup>3</sup>	2 pumps @ 75-125 m <sup>3</sup> / hour each (Depending on Density)
<b>Dry Bulk (6 tanks)</b>	388 m <sup>3</sup>	1 Duplex BHS Compressor Capacity 2 x 30 m <sup>3</sup> / min @ 5.6 bar
<b>LFL (4 tanks)</b>	283 m <sup>3</sup>	4 pumps @ 100 m <sup>3</sup> / hour each
<b>Base Oil</b>	217 m <sup>3</sup>	1 pump @ 150 m <sup>3</sup> / hour
<b>Foam</b>	400 litres	

## DP SYSTEM

<b>DP System</b>	Kongsberg K- POS DP-21
<b>Notation</b>	Class II DNV Notation: DYNPOS (Autr)
<b>Portable Joystick</b>	C-Joy Kongsberg
<b>DGPS Reference systems</b>	1 x CNAV X1, 1 x Kongsberg DPS 232 interfaced with Veripos LD5 x 2 DGPS
<b>Laser Reference System</b>	1 x Kongsberg CyScan
<b>Radius</b>	Kongsberg Radius 1000
<b>USBL</b>	HiPAP Kongsberg 500 HiPAP Kongsberg 501
<b>Taut Wire</b>	Bandak LTW MK15B
<b>Gyros</b>	3 x Anschutz Standard 22

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## DECK EQUIPMENT

<b>Deck Load</b>	1430 t @ 10t/m2
<b>Deck Area</b>	608 m2 Clear Deck (38.00 m x 16.00 m)
<b>Main Crane—fully AHC</b>	Main line - 100 t AHC @ 15.0 m (with 2000 m wire) Whip line – 10 t AHC @ 34.0 m (400 m wire) (personnel lift)
<b>Provision Crane</b>	2 t @ 17 m
<b>Tugger Winch</b>	1 x 10 t pull
<b>Capstan</b>	2 x 10 t pull @ 25 m/min
<b>2 x ROV Hangars</b>	5.6 L x 8.9 B x 10.9 H (each)
<b>Electrical Power on Deck</b>	440V / 230V / 60Hz

## PROPULSION & MACHINERY

<b>Main Engines—Generators</b>	4 x Wartsila 9L20
<b>Main Propellers</b>	2 x Schottel SCD 2020 Azimuth @ 2,500 kW each
<b>Auxiliary Generators</b>	2 x Cummins 300 ekW each
<b>Emergency Generator</b>	1 x Cummins 150 ekW
<b>Bow Thrusters</b>	1 x Brunvoll Tunnel @ 1,200 kW 1 x Brunvoll Retractable Azimuth @ 850 kW
<b>Total Electrical Power</b>	4 x 1580 ekW

## NAVIGATION

<b>Radars</b>	2 x Sam Electronics (1 X S-Band + 1 x X-Band)
<b>AIS</b>	Atlas – Debeg 3400
<b>Gyro Compass</b>	3 x Anschutz Standard 22
<b>Track Pilot</b>	Sam Electronics 1100
<b>Echosounder</b>	Furuno Navigational FE – 700
<b>Speed Log</b>	Furuno DOPPLER LOG DS80
<b>Chart Pilot</b>	Sam Electronics 1100
<b>Doppler Log</b>	Furuno DS-80

## ACCOMMODATION

<b>Total Accommodation</b>	71 bunks
<b>Client Facilities</b>	Project office, Offline room, ROV Control room, client and conference room.
<b>Other Facilities</b>	Mess room, recreation rooms (2), changing room, gym and sauna.
<b>Incinerator</b>	Installed

## COMMUNICATION

<b>Primary</b>	V-sat - K-Band ( <i>adaptable to client requirements</i> )
<b>Secondary</b>	Iridium Open Port
<b>GMDSS</b>	GMDSS A1, A2 and A3

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