



Service with Energy

# HOS MYSTIQUE

## 250EDF Construction Support Vessel



### DIMENSIONS AND REGULATORY INFORMATION

<b>Length:</b>	250 ft 0 in (76.2 m)	<b>Beam:</b>	54 ft 0 in (16.5 m)	<b>Draft Max:</b>	14 ft 10 in (4.52 m)
<b>Gross:</b>	2,391 GT	<b>Net :</b>	717 NT	<b>Draft Min:</b>	8 ft 0 in (2.44 m)
<b>IMO:</b>	9472323	<b>O.N.:</b>	1205143	<b>Flag:</b>	U.S.
<b>Certifications:</b>	Oceans-SOLAS, SIP, USCG Subchapter I, USCG Subchapter L				
<b>Classifications:</b>	Loadline, American Bureau of Shipping, +DPS-2, +A1, +AMS, ACC, OSV				

### PERFORMANCE

<b>Max Speed:</b>	12.0 kts	250 gal/hr (946 l/hr)
<b>Cruise Speed:</b>	10.0 kts	90 gal/hr (341 l/hr)

### PROPULSION, MACHINERY AND STEERING

<b>Main Engines:</b>	2 x Caterpillar 3516	<b>Total Horsepower:</b>	5,586 bhp
<b>Propellers:</b>	CPP, High Efficiency, 4-Blade	<b>Propeller Diameter:</b>	106in (2,692mm)
<b>Primary Generators:</b>	3 x Caterpillar C 18	<b>Total Rating:</b>	1,020 kW
<b>Auxiliary Generators:</b>	2 x Caterpillar 3412	<b>Total Rating:</b>	1,000 kW
<b>Deck Generators:</b>	1 x Cummins QSK50	<b>Total Rating:</b>	1,250 kW
<b>Bow Thruster:</b>	2 x Brunvoll CPP Tunnel	<b>Total Horsepower:</b>	1,900 hp
<b>Stern Thruster:</b>	1 x Brunvoll CPP Tunnel	<b>Total Horsepower:</b>	950 hp
<b>Rudder:</b>	Independent Steering, Schilling Fishtail	<b>Power Generation:</b>	480V/60 Hz/3-Phase

### CAPACITIES AND DELIVERY RATES

<b>Deadweight:</b>	2,333 LT (2,370 MT)	<b>Deck Area:</b>	114ft x 45ft (5,130ft <sup>2</sup> ) 34.7m x 13.7m (476.6m <sup>2</sup> )
<b>Deck Cargo:</b>	1,100 LT (1,118 MT)	<b>Deck Load Rating:</b>	1,024 lbs/ft <sup>2</sup> (5 MT/m <sup>2</sup> )
<b>Dry Bulk:</b>	6,240 ft <sup>3</sup> (177 m <sup>3</sup> )	<b>System Pressure:</b>	80 psi (5.5 bar)
<b>Potable Water:</b>	30,850 gal (117 m <sup>3</sup> )	<b>Discharge Rate:</b>	550 GPM (125 m <sup>3</sup> /hr)
<b>Rig Fuel:</b>	145,900 gal (552 m <sup>3</sup> )	<b>Discharge Rate:</b>	550 GPM (125 m <sup>3</sup> /hr)
<b>Rig Water:</b>	321,980 gal (1,219 m <sup>3</sup> )	<b>Freezer Area:</b>	400 ft <sup>3</sup> (11 m <sup>3</sup> )
<b>Cooler Area:</b>	400 ft <sup>3</sup> (11 m <sup>3</sup> )	<b>Total Flow Rate:</b>	3,000 gal/min (682 m <sup>3</sup> /hr)
<b>Off-ship Firefighting Monitors:</b>	1		

### ELECTRONICS

AIS, Auto Pilot, C-Nav, CCTV Cameras, Cyscan, Depth Sounder, DGPS w/ AIS, DSDL, EPIRB, GMDSS "A3", Gyro Compass, Joystick Control, L-3 NMS 6000, Mag Compass, MAMS/VMS, Navtex, Public Phone System w/ loudhailer, SARTs, SSAS, VHF Radio, VHF Radio (Handheld), Windbird, X-band Radar

### ACCOMMODATIONS

19 air conditioned/heated staterooms certified for 49 person berthing.  
Accommodations include gym, lounge, and locker room.

### SPECIAL FEATURES

<b>Knuckle Boom Crane:</b>	1 x National Oilwell Varco, w/ Active Heave Compensation	<b>Max Lift @ Max Radius:</b>	29 MT @ 95 Ft.
		<b>Max Lift @ Min Radius:</b>	70 MT @ 29 Ft. (1 fall) 100 MT @ 29 Ft. (2 falls)
		<b>Max Lift @ Max Depth:</b>	42.9 MT @ 6,332 Ft. (1,930 m)
		<b>Max Lift @ Max Height:</b>	33 MT @ 110 Ft. abv main deck
<b>Roll Damping:</b>	Anti-Roll Tank (Active Ballast), Bilge Keels	<b>Transducer Well:</b>	22 in. dia.
<b>Hydro-Acoustic:</b>	HIPAP 500 with Deployment System		
<b>ROVs:</b>	1 x 150 HP Triton XLS, 1 x 150 HP Schilling HD		

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