



Service with Energy

# HOS BRIARWOOD

## 310EQH Multi-Purpose Service Vessel



### DIMENSIONS AND REGULATORY INFORMATION

<b>Length:</b>	302 ft 0 in (92.0 m)	<b>Beam:</b>	64 ft 0 in (19.5 m)	<b>Draft Max:</b>	21 ft 1 in (6.43 m)
<b>Gross:</b>	5,089 GT	<b>Net:</b>	1,526 NT	<b>Draft Min:</b>	11 ft 3 in (3.43 m)
<b>IMO:</b>	9672648	<b>O.N.:</b>	1244594	<b>Flag:</b>	U.S.
<b>Certifications:</b>	Oceans-SOLAS, USCG Subchapter I, USCG Subchapter L				
<b>Classifications:</b>	Loadline, ABS, *DPS-2, FFFV-I, (E), *A1, *ACCU, *AMS, OSV, OSR-C2, ENVIRO, GP, UWILD, HELIDK, ACP, CRC				

### PERFORMANCE

<b>Cruise Speed:</b>	10.0 kts	133 gal/hr (503 l/hr)	<b>Max Speed:</b>	12.0 kts	208 gal/hr (787 l/hr)
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### PROPULSION, MACHINERY AND STEERING

<b>Main Engines:</b>	4 x Caterpillar 3516C	<b>Total Power:</b>	7,300 kW
<b>Main Propulsion:</b>	2 x Schottel Azimuthing Z-Drives	<b>Total Horsepower:</b>	6,700 hp
<b>Bow Thruster:</b>	2 x Schottel FPP Tunnel	<b>Total Horsepower:</b>	3,160 hp
		<b>Power Generation:</b>	690V/60 Hz/3-Phase

### CAPACITIES AND DELIVERY RATES

<b>Deadweight:</b>	4,837 LT (4,915 MT)	<b>Main Deck Area:</b>	100ft x 55ft (5,200ft <sup>2</sup> ) 30.5m x 16.8m (483m <sup>2</sup> )
<b>Main Deck Cargo:</b>	1,300 LT (1,321 MT)***	<b>Main Deck Rating:</b>	1,024 lbs/ft <sup>2</sup> (5 MT/m <sup>2</sup> )
		<b>Tier 3 Deck Area:</b>	29ft x 36ft (1,044ft <sup>2</sup> ) 8.8m x 11.0m (97m <sup>2</sup> )
<b>Tier 3 Deck Cargo:</b>	56 LT (57 MT)	<b>Tier 3 Deck Rating:</b>	350 lbs/ft <sup>2</sup> (1.7 MT/m <sup>2</sup> )
<b>Dry Bulk:</b>	10,250 ft <sup>3</sup> (290 m <sup>3</sup> )	<b>System Pressure:</b>	80 psi (5.5 bar)
<b>Liquid Mud:</b>	21,366 bbl (3,397 m <sup>3</sup> )*	<b>Discharge Rate:</b>	1,000 GPM (227 m <sup>3</sup> /hr)
<b>Potable Water:</b>	62,549 gal (237 m <sup>3</sup> )	<b>Watermaker Cap.:</b>	16,000 USG/day (60.57 m <sup>3</sup> /day)
<b>Rig Fuel:</b>	268,284 gal (1,015 m <sup>3</sup> )	<b>Discharge Rate:</b>	750 GPM (170 m <sup>3</sup> /hr)
<b>Rig Water:</b>	527,702 gal (1,998 m <sup>3</sup> )	<b>Discharge Rate:</b>	750 GPM (170 m <sup>3</sup> /hr)
<b>Cooler Area:</b>	1,226 ft <sup>3</sup> (35 m <sup>3</sup> )	<b>Freezer Area:</b>	988 ft <sup>3</sup> (28 m <sup>3</sup> )

### ELECTRONICS

AIS, Anemometer, Auto Pilot, CCTV Cameras, Cyscan, Depth Sounder, DGPS w/AIS, DSDL, EPIRB, GMDSS "A3", Gyro Compass, Joystick Control, Mag Compass, MAMS/VMS, Navtex, Public Phone System w/loudhailer, SARTs, SSAS, VHF Radio, VHF Radio (Handheld), VSAT, X-band Radar, S-band Radar, Speed Log, Radascan, VERIPOS

### VESSEL ACCOMMODATIONS

37 air conditioned/heated staterooms certified for 130\*\* person(s) berthing. The rooms are configured as follows:

2 air conditioned staterooms for 1 person(s) berthing each.

6 air conditioned staterooms for 2 person(s) berthing each.

29 air conditioned staterooms for 4 person(s) berthing each.

Accommodations include: Galley, Mess, 9 Office Stations, Laundry Room, Exercise Room, Sick Bay, & Theater

### SPECIAL FEATURES

<b>Oil Spill Recovery:</b>	ABS Capability Class 2	<b>Recovered Oil Capacity:</b>	21,366 bbl (3,397 m <sup>3</sup> )* (>60° C FP)
<b>Off-ship Firefighting:</b>	ABS FiFi 1	<b>Number of Fire Monitors:</b>	2
		<b>Total Flow Rate:</b>	10,586 gal/min (2,406 m <sup>3</sup> /hr)
<b>Helideck Diameter:</b>	73 ft 0 in (22.25 m)	<b>Size Rating:</b>	Sikorsky S-61N
<b>Helideck Equipment:</b>	Luggage Conveyor	<b>Weight Rating:</b>	Sikorsky S-92 (12.8 MT)
<b>Stores Crane:</b>	1 x Appleton Telescoping Boom	<b>Max Lift @ Min Radius:</b>	13 MT @ 16 ft
	Personnel Lift Certified for 0.6 MT	<b>Max Lift @ Max Radius:</b>	3 MT @ 53 ft
<b>Knuckle Boom Crane:</b>	National Oilwell Varco	<b>Max Lift @ Max Radius:</b>	40 MT @ 82 ft
	w/ Personnel Lift Certified for 5 MT	<b>Max Lift @ Min Radius:</b>	60 MT @ 25 ft (1 fall); 100 MT @ 25 ft (2 falls)
<b>ROV:</b>	1 x Triton XLS 150 HP Work Class	<b>Max Lift @ Max Depth:</b>	32.7 MT @ 6,562 ft (2000 m) Water Depth
<b>Deck Mission Power:</b>	800A, 480V/60 Hz/3-Phase	<b>Max Lift @ Max Height:</b>	44.6 MT @ 114 ft 4 in above Main Deck
<b>Roll Reduction:</b>	Anti-Roll Tank	<b>Fast Rescue Craft:</b>	1 x 15 Person(s)
		<b>DP Reference:</b>	1 x HiPAP 502 Valve Ready

\* Capacities shown require the annex house to be locked out. With the annex house occupied, the vessel can only carry 5,174 bbl (823 m<sup>3</sup>) of combustible cargo (>60 deg C FP) in the #4 LM tanks.

\*\* Maximum POB is 50 when annex house is locked out, tagged out.

\*\*\* Max deck cargo assumes 50 POB stability criteria.

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