



Service with Energy

HOS IRON HORSE

T22 Multi-Purpose Service Vessel



DIMENSIONS AND REGULATORY INFORMATION

Length:	432 ft 1 in (131.7 m)	Beam:	72 ft 3 in (22.0 m)	Draft Max:	20 ft 6 in (6.25 m)
Tonnage/Gross:	8,988 GT	Net :	2,697 NT	Draft Min:	14 ft 0 in (4.27 m)
IMO:	9457050	O.N.:	31015893326	Flag:	Mexico
Certifications:	Oceans-SOLAS				
Classifications:	ABS, A1, AMS, ACCU, DPS-3, Offshore Support Vessel, HELIDK, HDC 10t/m ² , Loadline, FFV 1-NS				

PERFORMANCE

Cruise Speed:	12.0 kts	296 gal/hr (1,120 l/hr)	Max Speed:	13.0 kts
On DP:		146 gal/hr (553 l/hr)		

PROPULSION, MACHINERY AND STEERING

Primary Generators:	4 x MAN B & W 9L 27/38	Total Rating:	11,536 kW
Main Propulsion:	2 x CPP, Steerable Azimuth	Total Horsepower:	8,050 hp
Bow Thrusters:	2 x CPP Tunnel	Total Horsepower:	3,600 hp
Bow Thruster:	1 x CPP Drop Down Azimuth	Total Horsepower:	1,600 hp
		Power Generation:	690V/60/3 phase

CAPACITIES AND DELIVERY RATES

Deadweight:	5,889 LT (5,983 MT)	Deck Area:	162ft x 68ft (7,927 ft ² *) 49.4m x 20.7m (736.5 m ² *)
Ballast Water:	875,000 gal (3,312 m ³)	Deck Load Rating:	2,048 lbs/ft ² (10 MT/m ²)
Potable Water:	137,450 gal (520 m ³)	Watermaker Cap.:	28,000 USG/day (106 m ³ /day)
Ship's Fuel:	352,340 gal (1,334 m ³)	Cooler Area:	950 ft ³ (27 m ³)
Freezer Area:	1,340 ft ³ (38 m ³)		

ELECTRONICS

Auto Pilot, CCTV Cameras, CJoy Independent Joystick System, Depth Sounder, DGPS, EPIRB, Gyro Compass, HiPAP 500 Acoustic System, Joystick Control, K-Pos 11 BU DP 3 Backup DP System, Kongsberg K-Pos 21 Dual Redundant DP System, Mag Compass, MAMS/VMMS, Navtex, Power Management, Public Phone System w/ loudhailer, Radar (S-band), Remote Cargo Sys Op, SARTs, VHF Radio, VHF Radio (Handheld), Windbird, X-band Radar, Taut Wire

ACCOMMODATIONS

88 air conditioned/heated staterooms for 245 person(s) berthing total. The rooms are configured as follows:
 14 air conditioned staterooms for 1 person(s) berthing each. 19 air conditioned staterooms for 2 person(s) berthing each.
 27 air conditioned staterooms for 3 person(s) berthing each. 28 air conditioned staterooms for 4 person(s) berthing each.

SPECIAL FEATURES

Off-ship Firefighting:	ABS Fifi 1	Number of Fire Monitors:	2
		Total Flow Rate:	10,568 gal/min (2,400 m ³ /hr)
Mast Crane:	1 x Huisman Mast Type w/ Active Heave Compensation	Max Lift @ Max Radius:	200 Tons @ 103 Ft.
		Max Lift @ Min Radius:	400 Tons @ 54 Ft.
		Max Lift @ Max Depth:	91 Tons @ 10,000 Ft.
		Max Lift @ Max Height:	200 Tons @ 135 Ft abv MD
		Personnel Rating:	2 MT
Construction Crane:	1 x Knuckle Boom w/ 6,165 Ft. fast wire and Active Heave Compensation	Max Lift @ Max Radius:	30 Tons @ 98 Ft.
		Max Lift @ Min Radius:	120 Tons @ 53 Ft.
		Max Lift @ Max Height:	84 Tons @ 123 Ft. abv MD
		Personnel Rating:	2 MT
ROV:	Suitable for 2 x Work Class w/ Hanger	Fast Rescue Craft:	1 x 15 Person(s)
Helideck Diameter:	73 ft 0 in (22.25 m)	Size Rating:	Sikorsky S-61N
		Weight Rating:	Sikorsky S-92 (12 MT)
Roll Damping:	Active and Passive	Working Moon Pool:	25.5 Ft.x24.5 Ft. with hatch

*Accommodation modules, mooring equipment, tank vents, vessel ventilation, escape hatches, crane pedestal, crane boom rests, fifi equipment, and protection rails are deducted from the total area.

NOTICE: The information contained herein is provided solely for the convenience of reference, and Hornbeck does not warrant the accuracy or completeness of the data, which may vary from the current condition of the vessel or equipment. Hornbeck accepts no liability for the content of this document or for the consequences of any actions taken on the basis of the information provided, unless that information is subsequently confirmed in writing by an authorized representative.

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