



HOS IRON HORSE

T22 Multi Purpose Service Vessel



DIMENSIONS AND REGULATORY INFORMATION

Length:	432 ft 1 in (131.7 m)	Beam:	72 ft 1 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.:	1989	Flag:	Vanuatu
Certifications:	Oceans-SOLAS				
Classifications:	DNV, ✱1A1, SF, HELDK, E0, DYNPOS- AUTRO (+DPS-3), DK(+)				

PERFORMANCE

Cruise Speed:	12.0 kts	296 gal/hr (1,346 l/h)	Max Speed:	13.0 kts
DP:	146 gal/hr (664 l/h)			

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 Thruster :	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:	6,823LT (6,932 MT)	Deck Area:	277ft x 57ft (15,789ft ²)
			84m x 17m (1,467m ²)
		Deck Load Rating:	2,048 lbs/ft ² (10 MT/m ²)
Ballast Water:	875,000 gal (3,312 m ³)		
Potable Water:	137,450 gal (520 m ³)		
Ship's Fuel:	322,250 gal (1,220 m ³)		
Water Maker:	8,000 gal/day (30 m ³ /day)		
Freezer:	1,340 ft ³ (38 m ³)	Cooler:	950 ft ³ (27 m ³)

ELECTRONICS

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

ACCOMMODATIONS

65 air conditioned/heated staterooms for 100 person(s) berthing total. The rooms are configured as follows :
 30 air conditioned staterooms for 1 person(s) berthing each. 35 air conditioned staterooms for 2 person(s) berthing each.
 Additional accommodations include: Lounge

SPECIAL FEATURES

Helideck Diameter:	73 ft 0 in (22.25 m)	Size Rating:	Sikorsky S-61N
		Weight Rating:	Sikorsky S-92, (12 Tons)
Roll Damping:	Active and Passive		
Mast Crane:	1 x Huisman Mast Type w/ Active Heave Compensation	Max Lift @ Max Radius:	200 Mt @ 103 Ft.
		Max Lift @ Min Radius:	400 Mt @ 54 Ft.
		Max Lift @ Max Depth:	88 Mt @ 9,931 Ft.
Construction Crane:	1 x Huisman Knuckle Boom w/ 5,085 Ft. fast wire and Active Heave Compensation	Max Lift @ Max Radius:	30 Mt @ 98 Ft.
		Max Lift @ Min Radius:	120 Mt @ 53 Ft.
Stores Crane:	1 x Luffing Type	Max Lift @ Max Radius:	3 Tons @ 40 Ft.
Working Moon Pool:	25 Ft.-6 In. x 24 Ft.-6 In. with Hatch		

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