

MPSV ATLANTIC POWER

14,400 HP – DP-2 AHTSV



MAIN PARTICULARS

LENGTH OVERALL	255 ft.	78 m
LENGTH BP	245 ft.	75 m
BEAM	60 ft.	18 m
DEPTH	26 ft.	8 m
LIGHT DRAFT	12 ft.	4 m
LOADED DRAFT	23 ft.	7 m
SUMMER FREEBOARD	4 ft.	1 m
LIGHTSHIP	3,380 LT.	3,524 MT.

CAPACITIES

DRILL WATER	300,000 USG	1,148 m ³
POTABLE WATER	250,000 USG	964 m ³
FUEL	300,000 USG	1,126 m ³
LIQUID MUD	3,900 BBLS	620 m ³
DRY BULK	10,250 ft. ³	283 m ³
BRINE	32,600 USG	117 m ³
MAX RIG CHAIN	15,000 ft. x 3"	4,572 m x 76mm
DEADWEIGHT	3,630 LT.	3,696 MT.

CARGO DECK

TONNAGE	1,084 LT.	1,100 MT
STRENGTH	1,024 lbs/ft. ²	5 MT/m ²
LENGTH	125 ft.	38 m
WIDTH	53 ft.	16 m
CLEAR AREA	6,625 ft. ²	615 m ²

TONNAGE

GRT	2,980 tons
NRT	901 tons

MACHINERY

MAIN ENGINES	4 x NRC 16-646
BRAKE HORSEPOWER	14,400 (4 x 3600 HP)
REDUCTION GEARS	Reintjes Compound
GEAR RATIO	5:1
PROPELLERS	2 Berg, 4 Blade CPP
RUDDERS	2 Independent Double Plate
SHAFT GENERATORS	2 x 2000kW
AUXILIARY GENERATORS	1 x 450kW
AUXILIARY GENERATORS	1 x 781kW, Stern Tunnel Supply
EMERGENCY GENERATOR	1 x 150kW
BOW THRUSTERS	2 x 800 BHP Electric Drive FPP Tunnel
STERN THRUSTER(S)	1 x 800 BHP Electric Drive FPP Tunnel, 1 x 800 BHP Electric Drive CPP Tunnel

TOWING & ANCHOR HANDLING

WINCH MODEL	Smatco 140/750TW - 3200V	
140 WORK DRUM LINE PULL	500 LT.	508 MT
140 WORK DRUM WIRE CAPACITY	11,000 ft. x 3"	3,353m x 76.2mm
STORAGE REEL CAPACITY	(2) x 23,400 ft - 3" Wire;	(2) x 7132m - 76mm Wire;
	(2) x 13,530 ft - 3" Wire	(2) x 4124m - 76mm Wire
750 TRACTION WINCH LINE PULL	335 LT. Continuous	341 MT.
750 TRACTION WINCH WIRE CAPACITY	10,000 ft. x 3.5"	3,048m x 88.9mm
BOLLARD PULL	160 LT.	163 MT.
CHAIN STOPPER(S)	2 Triplex Shark Jaw 700 LT.	711 MT.
TOWING PINS	(4) 2-700Ton Tow & 2-700Ton Angle	
STERN ROLLER	3 piece roller 8 ft x 24 ft. - 500LT	2.5m x 7.3m - 508MT
TUGGER WINCHES	(2) fwd 12LT	12MT
	(2) stern 8LT	8MT

PERFORMANCE

MAXIMUM SPEED	14.2 knots	
CRUISING SPEED	10.0 knots	
MAXIMUM FUEL CONSUMPTION (TOW)	583 USG/Hr	53 m ³ /24 Hrs
FUEL CONSUMPTION (TRANSIT)	198 USG/Hr	18 m ³ /24 Hrs
Eco TRANSIT FUEL CONSUMPTION	165 USG/Hr	15 m ³ /24 Hrs
DP FUEL CONSUMPTION	156 USG/Hr	14 m ³ /24 Hrs

OPTIONAL EQUIPMENT

A frame 200 TONS
 CRANE - 50 TONS AHC
 AMPELMANN A-TYPE AHC GANGWAY
 I-GRAB & I-RAKE BOULDER CLEARANCE SYSTEM
 W-WROV SYSTEM

ACCOMMODATIONS

CABINS/BERTHS	16 / 30 (Total) + OPTIONAL TLQ UNITS
OFFICERS	2 Suite w/Office & Head + 2 Double w/Shared Head
CREW	4 Double Shared 2 head
VIP	4 Double Shared 2 Head
PASSENGERS	6 Double Shared 3 Head +10 IN TLQ
LOUNGE	16
MESS	20

ELECTRONICS & CONTROLS

DYNAMIC POSITIONING	Kongsberg K-Pos, Class II
INDEPENDENT JOYSTICK	Kongsberg C-Joy
DGPS	3 x C-Nav 3050
GPS	Micrologic ML-250
GYRO	3 x Navigat Mk1
LASER RADAR	Fanbeam 4.2
ANEMOMETER	3 x Gill Wind Observer II
GMDSS	Area 3
VHF	Four
RADAR(S)	Decca BM-250 & BM-180
INTERNET E-MAIL	Satellite VSAT / Globe Wireless
CCTV SYSTEM	6 Monitors, 20 Cameras all on DVR
WEATHER RADIO	XM
DEPTH SOUNDER	Sperry ES-5000

SPECIAL EQUIPMENT

CRANE	EBC TC30	20Ton.
SURVIVAL CRAFT	4 x 25 Person inflatable Liferafets	
	2 x 6 Person inflatable Liferafets	
WINDLASS	McElroy 2 inch Chain	51mm
RESCUE BOAT	Ambar AM420	
EXTERNAL FIFI	2,645 GPM @ 450 ft./137m	
NUMBER OF MONITORS	1	

DOCUMENTATION

CLASS	ABS-A1, Towing Service, AMS, DPS-2
FLAG	United States
SOLAS	Full
USCG	USCG Sub I & L, OSV
YEAR BUILT	1998
OFFICIAL NUMBER	
RADIO CALL SIGN	
BUILDER	Halter Marine Inc.

This specification is preliminary and subject to change without notice. Exact tank capacities, deadweight, deck cargo capacity and other figures that have been calculated and may change when the actual vessel is delivered.

