



ATLANTIC JOULE

HYBRID CAPABLE MULTI ROLE – AHTSV

Optional 50 TON AHC Crane

The Atlantic Joule, so named after her 2023 refit and upgrade to allow the connection of a Lithium battery propulsion power system – operable in DP and Standby Mode, is the latest in the fleet of US Jones Act fleet operators Atlantic Oceanic LLC. The vessel is primarily expected to support o&G and Offshore Wind development in US waters for:

OFFSHORE WALK TO WORK (AHC Gangway ops)
SUBSEA TOW AND TRENCHING
SUBSEA SCOPES
MATTRESS LAY
BUBBLE CURTAIN
PLGR OPERATIONS
CONSTRUCTION SUPPORT
TOWING
ANCHOR HANDLING



Atlantic Oceanic

Main Particulars

LENGTH OVERALL	265.1 ft	80.8 m
BEAM OVERALL	51.8 ft	15.8 m
DEPTH	19.0 ft	5.8 m
LOADED DRAFT	15.4 ft	4.7 m
DEADWEIGHT	2,658 Lt	2,700 Mt
TONNAGE (ITC) GRT	2,174	
TONNAGE (ITC) NRT	814	

HYBRIDIZATION & ECO

CAPABLE OF ADDING UP TO 36MWh LEVIATHAN™ ENERGY STORAGE SYSTEM
 FUEL COST AND EMISSIONS REDUCTION
 ENGINE MAINTENANCE REDUCTION
 ABILITY TO EXPAND BATTERY CAPACITY TO ENABLE FULL-ELECTRIC OPERATION
 ZERO EMISSIONS AT PORT WITH BATTERY (COLD-IRON)
 CHARGE FROM OFFSHORE WIND OR SHORE POWER
 NEXT-GEN SAFE BATTERY TECHNOLOGY
 HIGH-PERFORMANCE HULL PAINT & HULL MODS FOR REDUCED FUEL CONSUMPTION

Capacities

FUEL OIL	140,011 USG	530 m³
POTABLE WATER	99,857 USG	378 m³
DRILL WATER	186,770 USG	707 m³
WATER BALLAST	186,770 USG	707 m³

Discharge Rates

FUEL OIL	26,417 USG/hr.	100 m³/hr.
POTABLE WATER	26,417 USG/hr.	100 m³/hr.
DRILL WATER	26,417 USG/hr.	100 m³/hr.

Machinery

MAIN ENGINES	Caterpillar 3 x 3516B & 1 x 3516C
MAIN GENERATORS	3 x 1,825 kW, 1 x 2,100 kW, 690 V, 60 Hz, 3 Ø
AUX. GENERATOR	1 x 425 kW, 690 V, 60 Hz, 3 Ø
TOTAL INSTALLED POWER	10,728 HP / 8015 kW
EMERGENCY GENERATOR	1 x 175 kW, 480 V, 60 Hz, 3 Ø
BOW THRUSTER #1	Brunvoll CPP FU63LTC1550, 580 kW
BOW THRUSTER #2	Brunvoll CPP FU63LTC1550, 580 kW
STERN THRUSTER #1	HRP Conventional, 800 BHP, 9 Mt thrust
PROPELLERS	Conventional in nozzles
RUDDERS	Twin independent Fish Tail Rudders

Deck and Anchor Handling

ANCHORS	Rolls Royce 11.5 Mt at 15m/min
CHAIN	2 x 1,846 Kg (439 m x 38 mm Ø chain)
CHAIN CAPACITY	10,594 ft³-300 m³
WINCH MODEL	Rolls Royce Brattvaag, Electro-Hydraulic
LINE PULL	Two Drum Reverse Waterfall 300 Mt
WINCH CAPACITY DRUM #1	76 mm x 2,000 m, (3" x 6,600') each drum
BRAKE CAPACITY	393 Lt, 400 Mt
STORAGE REEL #1	76 mm x 2,000 m, (3" x 6,600') each drum
STORAGE REEL #2	76 mm x 2,000 m, (3" x 6,600') each drum
TUGGER WINCH #1	11 Mt
TUGGER WINCH #2	11 Mt
STERN ROLLER	SWL 350 Mt (16' x 8')
SHARK JAWS	2 x Karmfork 300 Mt w/ Inserts
TOWING PINS	2 Pair x Karmøy hyd w/ locking flaps
UTILITY CRANE	4.4 Mt at 3 meters

Performance

MAXIMUM SPEED	14.3 Knots
CRUISING SPEED	12.0 Knots
ECONOMICAL SPEED	10.0 Knots
BOLLARD PULL RATING	120 MT

Cargo Deck

TONNAGE	1,600.3 Lt	1,626.0 Mt
STRENGTH	1,024.1 Lb/ft²	5.0 Mt/m²
LENGTH	160.8 ft	49.0 m
WIDTH	42.7 ft	13.0 m
CLEAR AREA	6,835.1 ft²	635.0 m²

Accommodations

CABINS	16
BERTHS	38
SINGLE CABINS	2
DOUBLE CABINS	12
4 PERSON CABINS	2
CREW MESS	1
OFFICES	1
CHANGE ROOM	1
LOUNGES	2
HOSPITAL	1

Rescue Capabilities

FRC MP 660 Springer, Full SOLAS, 6.6 m, 6 person, 32-34 Kt max speed, diesel waterjet propulsion

Electronics & Controls

DYNAMIC POSITIONING	Class 2
DP SYSTEM	Converteam
DGPS	2 x C-NAV 3050 (GLONASS)
DP REFERENCE #1	1 x Cyscan
DP REFERENCE #2	1 x Kongsberg Radius
GYROS	2 x Simrad GC80 MK2
ECDIS	2 x Furuno 3010
RADAR #1	1 x S Band ARPA
RADAR #2	1 x X Band ARPA
GMDSS	Area A3
MRU	2 x MRU-B1.1 & 1 x DMS RP 30/05
Wind Sensor	2 x Wind Observer II

Special Equipment

SURVIVAL CRAFT	6 x 25 person inflatable liferafts
MUD TANK CIRCULATION	Flygt Agitators (2) per tank
CRANE #1	Teuchrone TC10-24-40 rated at 4,422 kg @ 6.09m and 1,367 kg @ 12.19m
ROV CAPABILITIES	OC EANEERING - MILLENIUM PLUS ROV (150 HP) SPREAD
ROV POWER SUPPLY	400A, 300A, 60A, 40A AND 30A, 3phase, 480V
CONTAINER SUPPLY	8 x 30A and 1x 80A, 480V, 3Ø, 60Hz 2 x 32A, 220V
BALLAST WATER	Erma First oneTANK
TREATMENT SYSTEM	

Documentation

CLASS	ABS A1, Offshore Support Vessel, @, AMS, UWILD, SOLAS
CAPABLE NOTATIONS W/ REACTIVATION	TOW, AH, DPS-2, FFV
FLAG	USA, Jones Act Compliant
USCG	OSV, SubCh L & I Vessel
BUILD YEAR	2007



Atlantic Oceanic

PRINCIPAL PARTICULARS

LENGTH OVERALL	265'	80.77 m
LENGTH WATERLINE	253'	78.03 m
BEAM	52'	15.85 m
DEPTH	19'	5.79 m
LOAD LINE (DRAFTING)	15'-6"	4.73 m
LIQUID MUD(TONS)	4939 tms	789 cu m
DRY BULK	7500 cu ft	212 cu m
FRESHWATER(TONS)	191.585 tms	351 cu m
FUEL OIL(TONS)	138,550 tms	525 cu m
DRY BULK/TOTAL(TONS)	211,147 tms	799 cu m
METRICAL(TONS)	2348 tms	375 cu m
CRAN CAPACITY(MT)	10,584 cu ft	302 cu m
CLEAN DECK AREA	8000 sq ft	557 sq m
DISPLACEMENT (T=15'-8")	2898 LT	

INSTALLED POWER	3 x 1825 kW
	1 x 2100 kW
BOW THRUSTER	3 x 425 kW
STERN THRUSTER	2 x 600 kW
	1 x 680 kW

