AMERICAN CLASS TUG

VESSEL SPECIFICATION SHEET



VESSEL DESCRIPTION	
VESSEL TYPE	Ocean towing vessel
NAME	American Spirit
HAILING PORT	Honolulu, HI
DESIGNER	Glosten

PRINCIPAL CHARACTERISTICS	
GROSS REG. TON	172 GRT
GROSS ITC TON	499 GT
DRAFT MIN	14'-5"
DRAFT DESIGN	18'-0"
DRAFT MAX	18'-6"
REG LENGTH	117'-6"
REG BREADTH	34'-6"
REG DEPTH	18'-7"
LENGTH OVERALL	122'-2"
BREADTH OVERALL	37'-6"
MIN AIR DRAFT	48'-11"
MAX AIR DRAFT	53'-1"
DESIGN DISPLACEMENT	1,124 LT

BOLLARD PULL - CONTINUOUS	
AHEAD	89.5 MT
ASTERN	TBD

TOWING AND ANCHOR HANDLING	
TOW WINCH	Markey TDSD-34AUL
TYPE	200 hp diesel drive double-drum
CONFIGURATION	Symmetric side-by-side drums with integrated warping head and suitcase drum
DRUM CAPACITY	2 × 2,600 feet of Ø 2¼" wire rope
BRAKE CAPACITY	566,796 lbs (barrel layer)
RATED LINE PULL	1st gear: 127,600 lbs @ 35ft/min
HEADLINE WINCH	Markey DEPG-27
TYPE	Electric drive deck winch
CONFIGURATION	Single-drum with one warping head
DRUM CAPACITY	400 feet of Ø 5"HMPE synthetic line
BRAKE CAPACITY	600,000 lbs (barrel layer)
RATED LINE PULL	24,200 lbs at 23 ft/min (barrel layer)
SHARK JAWS	Smith Berger 200 MTSJ
TOWING PINS AND STERN ROLLER	Smith Berger 200 MT12T424-2HD, 4 × 16" pins and 24" Ø roller

REGULATORY	
LOAD LINE	ABS on behalf of USCG
CLASS	None
USCG INSP	USCG Subchapter M
REGISTRY	US
COASTWISE	Unrestricted
SOLAS	No

PRINCIPAL CAPACITIES	
FUEL	130,277 gal
FUEL OVERFLOW	1,559 gal
FRESH WATER	4,236 gal
WASH WATER	3,854 gal
GRAY WATER	2,829 gal
BLACK WATER	1,415 gal
OILY WATER	781 gal
LUBE OIL	2,043 gal
WASTE OIL	777 gal

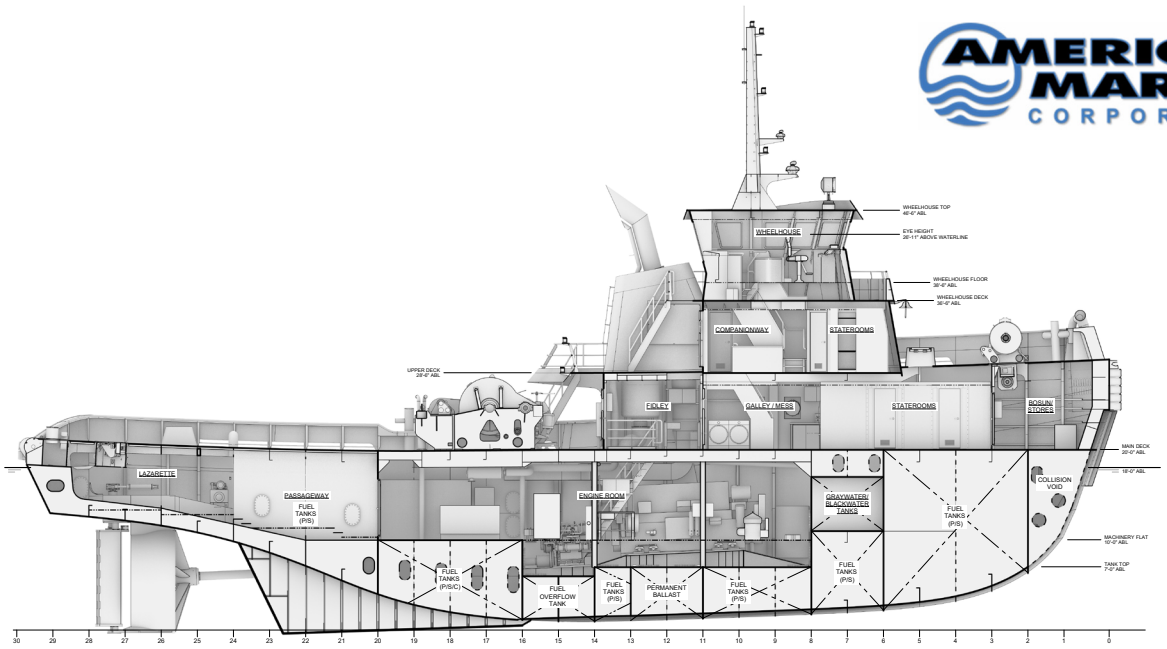
PROPULSION AND AUXILIARY MACHINERY	
CONFIGURATION	Conventional twin-screw
MAIN ENGINE	2 × WABTEC 8L250MDC engines, EPA Tier 4, 3,017 hp each
REDUCTION GEAR	2 × Reintjes WAF 3455
PROPELLERS	Ø 120" 4-bladed fixed pitch
NOZZLES	Nautican Integrated Units
MAIN ENGINE COOLING	Keel cooled
MAX MAIN ENGINE RPM	900 rpm
RATED HP	6,034 bhp (4500 bkW)
GENSET	2 × 156 kW John Deere 6068AFM85, EPA Tier 3, 60 Hz

OUTFIT	
GENERAL ACCOM.	Fully heated and air-conditioned for 7-person crew, provisions for extended cruises
COMMON AREAS	Open concept galley with bar seating for two, mess with seating for full crew, washer and dryer
STATEROOMS	3 × single occupancy staterooms and 2 × double-occupancy staterooms, shared heads on main and upper deck
WHEELHOUSE OUTFIT	Port and starboard propulsion control stations. Centerline autopilot station. Stern station with winch, tow pins, shark jaws, and propulsion control. Helm chair with observer seat, heated fore and aft windows, and planning table with stool.
FENDERING	Schuyler fendering system; double loop, single loop, laminated, 42" Ø aircraft tires, and 50" Ø tractor tires

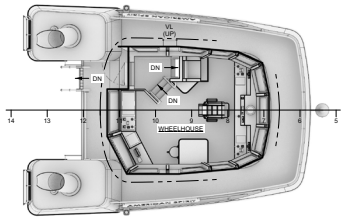
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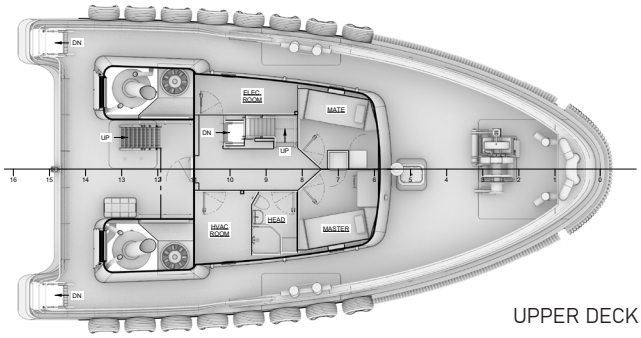
AMERICAN MARINE CORPORATION



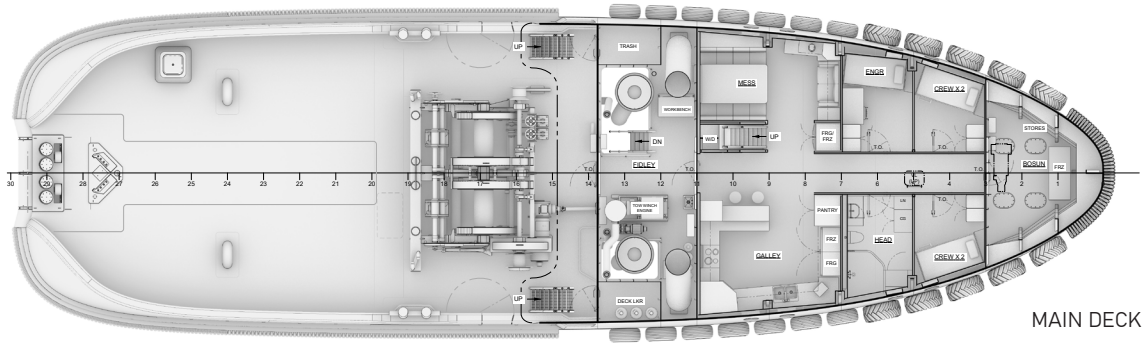
INBOARD PROFILE



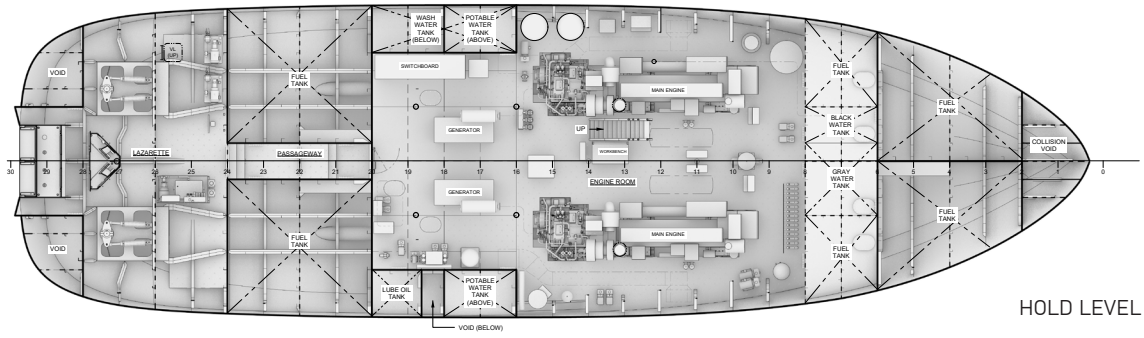
WHEELHOUSE



UPPER DECK



MAIN DECK



HOLD LEVEL

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