

AMERICAN CLASS TUG

VESSEL SPECIFICATION SHEET



VESSEL DESCRIPTION		TOWING AND ANCHOR HANDLING		PRINCIPAL CAPACITIES	
VESSEL TYPE	Ocean towing vessel	TOW WINCH	Markey TDSD-34AUL	FUEL	130,277 gal
NAME	American Spirit	TYPE	200 hp diesel drive double-drum	FUEL OVERFLOW	1,559 gal
HAILING PORT	Honolulu, HI	CONFIGURATION	Symmetric side-by-side drums with integrated warping head and suitcase drum	FRESH WATER	4,236 gal
DESIGNER	Glosten	DRUM CAPACITY	2 × 2,600 feet of Ø 2¼" wire rope	WASH WATER	3,854 gal
PRINCIPAL CHARACTERISTICS		BRAKE CAPACITY	566,796 lbs (barrel layer)	GRAY WATER	2,829 gal
GROSS REG. TON	172 GRT	RATED LINE PULL	1 st gear: 127,600 lbs @ 35ft/min	BLACK WATER	1,415 gal
GROSS ITC TON	499 GT	HEADLINE WINCH	Markey DEPG-27	OILY WATER	781 gal
DRAFT MIN	14'-5"	TYPE	Electric drive deck winch	LUBE OIL	2,043 gal
DRAFT DESIGN	18'-0"	CONFIGURATION	Single-drum with one warping head	WASTE OIL	777 gal
DRAFT MAX	18'-6"	DRUM CAPACITY	400 feet of Ø 5"HMPE synthetic line	PROPULSION AND AUXILIARY MACHINERY	
REG LENGTH	117'-6"	BRAKE CAPACITY	600,000 lbs (barrel layer)	CONFIGURATION	Conventional twin-screw
REG BREADTH	34'-6"	RATED LINE PULL	24,200 lbs at 23 ft/min (barrel layer)	MAIN ENGINE	2 × WABTEC 8L250MDC engines, EPA Tier 4, 3,017 hp each
REG DEPTH	18'-7"	SHARK JAWS	Smith Berger 200 MTSJ	REDUCTION GEAR	2 × Reintjes WAF 3455
LENGTH OVERALL	122'-2"	TOWING PINS AND STERN ROLLER	Smith Berger 200 MT12T424-2HD, 4 × 16" pins and 24" Ø roller	PROPELLERS	Ø 120" 4-bladed fixed pitch
BREADTH OVERALL	37'-6"	REGULATORY		NOZZLES	Nautican Integrated Units
MIN AIR DRAFT	48'-11"	LOAD LINE	ABS on behalf of USCG	MAIN ENGINE COOLING	Keel cooled
MAX AIR DRAFT	53'-1"	CLASS	None	MAX MAIN ENGINE RPM	900 rpm
DESIGN DISPLACEMENT	1,124 LT	USCG INSP	USCG Subchapter M	RATED HP	7,034 bhp (4500 bkW)
BOLLARD PULL - CONTINUOUS		REGISTRY	US	GENSET	2 × 156 kW John Deere 6068AFM85, EPA Tier 3, 60 Hz
AHEAD	84 MT	COASTWISE	Unrestricted	OUTFIT	
ASTERN	TBD	SOLAS	No	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

