



# AZIMUTH STERN DRIVE TUG 2813

“SAAM HUASTECA”

## GENERAL

Yard number	513314
Delivery date	January 2020
Basic functions	Towing, mooring, escorting and fire-fighting operations
Classification	Bureau Veritas I ✳ HULL • MACH Escort Tug (Bollard pull = 85t) (maximum steering force = 75t, maximum braking force = 90t, maximum escort speed = 10 kn) Unrestricted Navigation AUT UMS Inwater Survey COMF-NOISE 3, COMF-VIB 3 Fire Fighting Ship 1
Flag	Mexico
Owner	SAAM Towing

## DIMENSIONS

Length overall	27.59 m
Beam overall	12.93 m
Depth at sides	5.20 m
Draught aft	6.00 m
Displacement	645 t
Gross tonnage	388 t

## TANK CAPACITIES

Fuel oil	102.6 m <sup>3</sup>
Fresh water	16.8 m <sup>3</sup>
Lubrication oil	2.4 m <sup>3</sup>
Dirty oil	2.4 m <sup>3</sup>
Sewage	5.6 m <sup>3</sup>
Bilge water	4.7 m <sup>3</sup>
Foam	8.7 m <sup>3</sup>

## PERFORMANCES

Bollard pull ahead	84.8 t
Bollard pull astern	80.6 t
Speed ahead	13.4 kn
Speed astern	12.9 kn

## PROPULSION SYSTEM

Main engines	2x Caterpillar 3516C TA HD / D
Total power	5050 bkW (6772 bhp) at 1800 rpm
Azimuth thrusters	2x Rolls Royce US 255 P30/P35 FP
Propeller diameter	3000 mm
Forced ventilation	80.000 m <sup>3</sup> /h

## AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C4.4 TA, 400 V, 107 kVA, 50 Hz
General service pumps	2x Azcue CA 50/3A 20 m <sup>3</sup> /h at 2.35 bar
Bilge pump	Azcue CA 32/05 3.6 m <sup>3</sup> /h at 1.1 bar
Fuel pump	Azcue CA40-1B 12.0 m <sup>3</sup> /h
Fuel oil purifiers	2x CJC PTU3 27/81 MZ-E2PWZ
Cooling system	Box cooling + anti-growth system
Hydraulic system	Main engine driven pumps
Fifi set	Main engine driven pump 2400 m <sup>3</sup> /h
Fifi monitor	2x 1200 m <sup>3</sup> /h, water/foam

## DECK LAY-OUT

Anchor winch	2x 430 kg Pool (High Holding Power)
Towing winch fore	2x Electrically driven anchor winches with warping head
Fendering	Hydraulically driven two speed double drum, low speed pull 27 ton up to 31 m/min, high speed pull 27 ton up to 49 m/min, brake 200 ton D-fender at sides, cylindrical fender at transom corners, cylindrical and W-block bow fender with water spray

## ACCOMMODATION

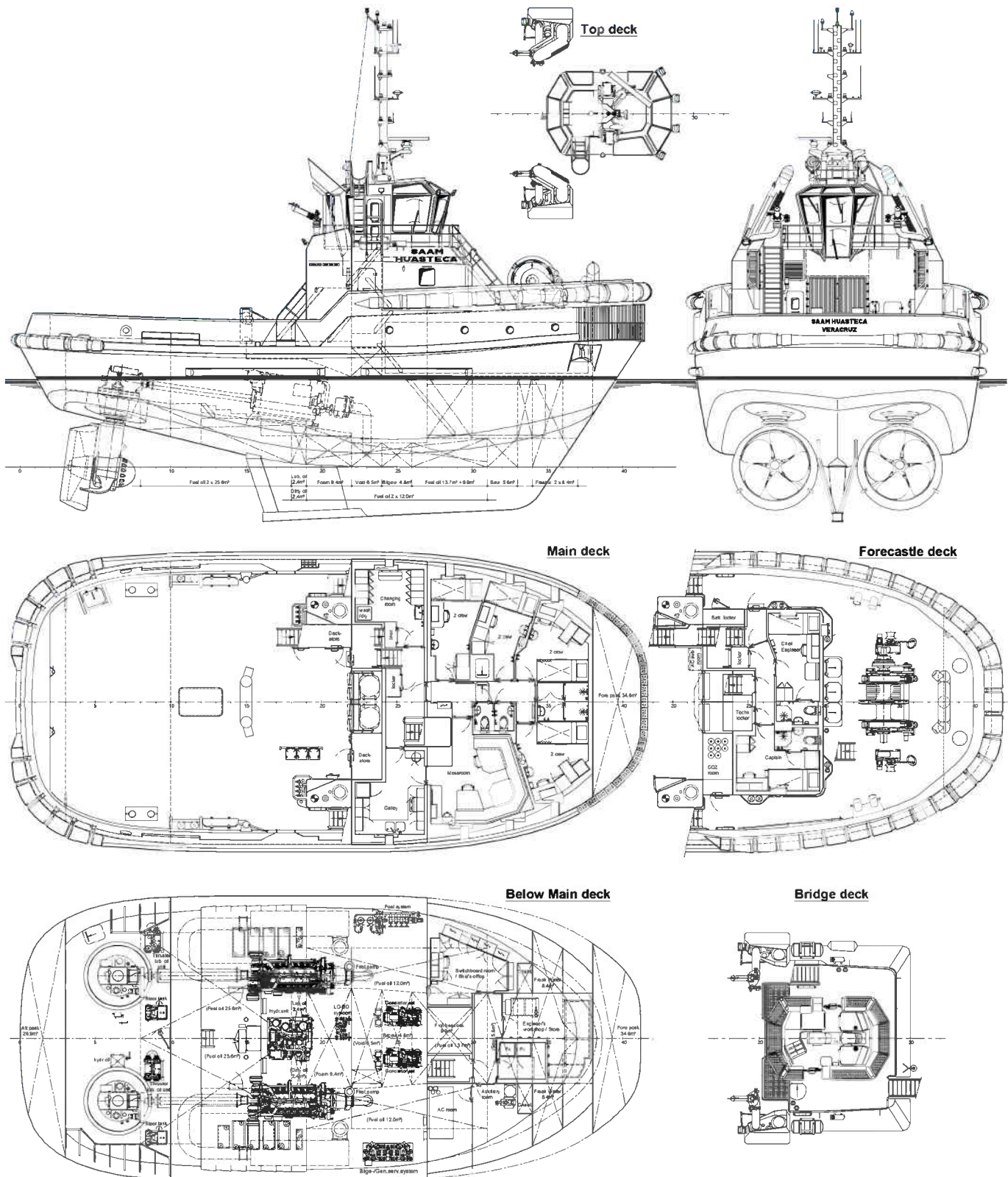
For max. 10 persons (MLC 2006 compliant), insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. Captain's cabin, chief engineer's cabin, 4 double crew cabins, galley, mess/dayroom, dry store, ships office and sanitary facilities.

## NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	2x Norselight SH470 2000 W
Radar system	Furuno FAR 1518-BB
Electronic chart system	Navi-Sailor 4000 ECS
Satellite compass / GPS	Simrad GN70/HS80A
Magnetic compass	Cassens & Plath Reflecta 11
Autopilot	Simrad AP-70
Echosounder	Furuno FE-800
Speed log	Furuno DS-80
VHF Radio telephone	2x Cobham Sailor 6222 (one with DSC)
UHF	Sailor 3965 UHF
VHF hand-held	2x Jotron Tron TR-30
Navtex	Furuno NX-700B
AIS	Furuno FA-170
EPIRB	Jotron Tron 60S
Sart	Jotron Tron Sart20
Anemometer	Gill instruments GMX500

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