



AZIMUTH STERN DRIVE TUG 2811

"E-TWO"

GENERAL

| | |
|-----------------|---|
| Yard number | 513202 |
| Delivery date | March 2019 |
| Basic functions | Towing, mooring and fire-fighting operations |
| Classification | Bureau Veritas I ✱ HULL • MACH Tug (Bollard pull = 65t) Unrestricted navigation AUT UMS Inwater survey Fire Fighting Ship 1 COMF-NOISE 3, COMF-VIB 3, Cert. GMDSS A2 |
| Flag | Commonwealth of The Bahamas |
| Owner | Emar Offshore Services |

DIMENSIONS

| | |
|------------------------|---------|
| Length overall | 28.58 m |
| Beam overall | 11.43 m |
| Depth at sides | 4.60 m |
| Draught aft | 4.90 m |
| Displacement (approx.) | 512 t |
| Gross tonnage | 299 t |

TANK CAPACITIES

| | |
|-----------------|---------------------|
| Fuel oil | 83.6 m ³ |
| Fresh water | 14.0 m ³ |
| Lubrication oil | 2.3 m ³ |
| Dirty oil | 2.3 m ³ |
| Sewage | 7.4 m ³ |
| Bilge water | 4.9 m ³ |
| Foam | 9.8 m ³ |

PERFORMANCES

| | |
|---------------------|---------|
| Bollard pull ahead | 61.6 t |
| Bollard pull astern | 59.4 t |
| Speed ahead | 13.6 kn |
| Speed astern | 13.8 kn |

PROPULSION SYSTEM

| | |
|--------------------|---------------------------------|
| Main engines | 2x Caterpillar 3512C TA HD/D |
| Total power | 3804 bkW (5102 bhp) at 1800 rpm |
| Azimuth thrusters | 2x Rolls Royce US 205 |
| Propeller diameter | 2500 mm |
| Forced ventilation | 29.000 m ³ /h |

AUXILIARY EQUIPMENT

| | |
|-----------------------|--|
| Generator sets | 2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz |
| General service pumps | 2x Azcue CA-50/3A 20.0 m ³ /h |
| Bilge pump | Megator L125 V-DBP |
| Fuel transfer pump | Azcue BR-41-10 12.0 m ³ /h |
| Fuel oil separator | Westfalia OTC 2-02-137 |
| Fuel oil purifier | 2x CJC PTU3 27/81 MZ-E2PWZ |
| Fresh water maker | Tecnicomar C2000 |
| Cooling system | Box cooling + anti-growth system |
| Hydraulic system | Two main engine driven pumps |
| Fifi set | Two main engine driven pumps, 2400 m ³ /h |
| Fifi monitor | 2x 1200 m ³ /h, water/foam |

DECK LAY-OUT

| | |
|---------------------|--|
| Anchors | 2x 360 kg Pool (High Holding Power) |
| Anchor/towing winch | Hydraulically driven two speed winch with split drum and warping head, pull 31.5 ton at 9.5 m/min, slack rope speed up to 41 m/min, 150 ton brake |
| Towing winch aft | Hydraulically driven two speed winch with spooling device and warping head, pull 40 ton at 8.1 m/min, slack rope speed up to 34 m/min, 150 ton brake |
| Towing hook aft | SWL 65 ton |
| Crane | Heila HLM 20-3S 1.7 ton at 10.56 m + winch 2150 kg |
| Fendering | D-fender at sides, cylindrical fender at transom corners, cylindrical and W-block bow fender with water spray |

ACCOMMODATION

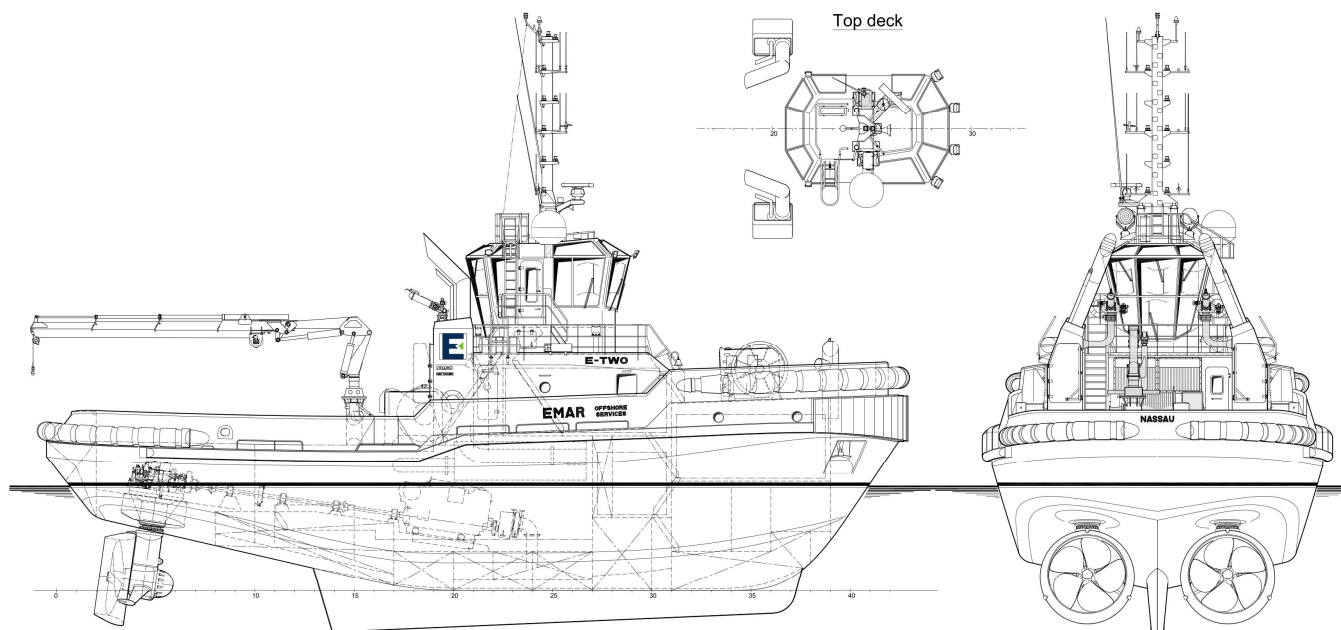
For max. 6 persons (MLC 2006 compliant), insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. Captain's cabin, chief engineer's cabin, one double and two single crew cabins, galley, mess/dayroom, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

| | |
|-----------------------|--------------------------------------|
| Searchlights | 2x Norselicht SH470 2000 W |
| Radar system | Furuno FAR 1518-BB |
| Compass | Cassens & Plath Reflecta 11 |
| Autopilot | Simrad AP-70 |
| Satellite compass/GPS | Simrad GN-70/HS80A |
| ECDIS | Furuno FMD-3200 |
| Gyro compass | Anschuetz Standard 22 compact |
| Echosounder | Furuno FE-800 |
| VHF radio telephone | 2x Cobham sailor 6222 (one with DSC) |
| VHF hand-held | 2x Jotron Tron TR-20 |
| UHF | Motorola DM4400 |
| Navtex | Furuno NX-700B |
| AIS | Furuno FA-170 |
| SSB | Furuno FS-1575 |
| EPIRB | Jotron Tron-60S |
| Sart | Jotron Tron Sart20 |
| Anemometer | Gill Instruments GMX500 |
| VSAT system | Intellian t80W |

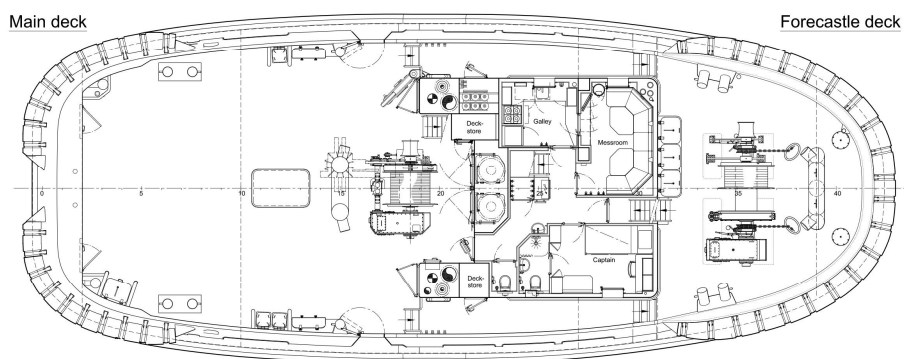
AZIMUTH STERN DRIVE TUG 2811

"E-TWO"

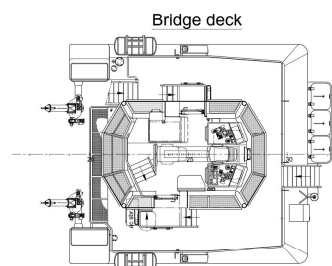


Main deck

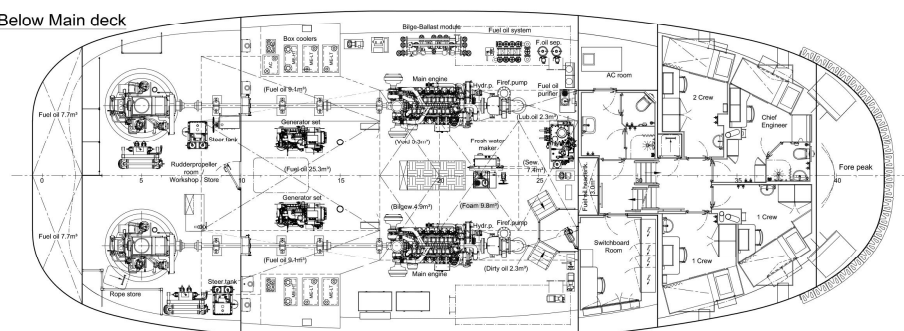
Forecastle deck



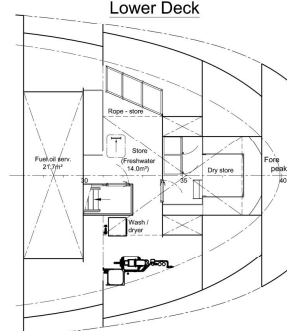
Bridge deck



Below Main deck



Lower Deck



DAMEN

DAMEN SHIPYARDS GROUP

Avelingen-West 20
4202 MS Gorinchem
The Netherlands

P.O. Box 1
4200 AA Gorinchem
The Netherlands

phone +31 (0)183 63 99 22
fax +31 (0)183 63 21 89

info@damen.com
www.damen.com

© No part of the leaflet may be reproduced in any form, by print, photo print, microfilm, or any other means, without written permission from Damen Shipyards Group