

Ems Offshore Service



Tug „EMS TUG“

Call sign	CQAX8
Flag	Madeira
Builders	Damen Shipyards
	Bureau Veritas
Classification	I + HULL * MACH Tug, unrestricted nav. * AUT UMS
Date of class	01 2025
IMO no.	9849734
Tonnage	321 GT
Length o. a.	27,05 m
Beam o. a.	11,63 m
Beam moulded	10,50 m
Depth moulded	4,25 m
Draught	3,00 m
Speed	12,0 kn
Bollard pull	45,2 t

PROPULSION SYSTEM

Main engines	2x Caterpillar 3512C B-rating
Total Power	2610 bkW (3500 bhp) at 1600 rpm
Gearboxes	2x Reintjes WAF 773L, red. 6,44:1
Propulsion	2x Promarine Fixed pitch propeller
Diameter	2x 2250 mm Optima nozzle
Bow thruster	1x Veth VT-180, 145kW (200 bhp) electrical driven

ELECTRICAL EQUIPMENT

Generator sets	2x Caterpillar C4.4
Capacity	2x 107 kVA, 86 ekW, 230/400V, 50 Hz
Generator sets	1x Caterpillar C9.3 for bowthruster and deck equipment
Capacity	1x 375 kVA, 300 ekW, 440V, 60 Hz

ACCOMMODATION

Heated and air-conditioned living spaced for 6 persons, consisting of a captain's cabin, two single officer cabins, one double and one single crew cabin. Galley, mess and sanitary facilities are facilitated as per General Arrangement Plan. According to ILO2006 regulations.

DECK LAY-OUT

Anchor	2x 315 kg HHP pool TW anchor
Chain	2x 192.5 m, Ø19 mm
Anchor winch	2x Kraaijeveld KAB-1-H-19
Deck crane	1x HS Manne AKC185/E4, 5,5 ton at 18.5 m, 16,4 ton at 7,6 m
Anchor handling – towing winch	1x Kraaijeveld KAW-30-H-TR/TR Towing part: Pull 60 ton at 8,7 m/min, 12 ton at 32 m/min,
According Noble Denton	Break holding load = 135 ton, Wire capacity 800 m Ø44mm
Regulations	AH part: Pull 100 ton at 5,4 m/min, 20 ton at 19 m/min, Break holding load = 135 ton, Wire capacity 650 m Ø44mm
Towing pins	1x WK with integrated chain stopper
Sternroller	1x Ø1.0 m, length 4 m
Tugger winch	1x Dromec HPV-12000, 12 t at 20 m/min
Hydraulic Coupling winch (2x)	Breakholding Load 60 t, Pull 4 t, Speed 4 m/min
Moonpool	1x Integrated in pushbow
Ø A-Frame	Optional A-frame SWL 30 ton

NAUTICAL AND COMMUNICATION EQUIPMENT – GMDSS area A3

Searchlights	2x Pesch 2000W
Radar System	1x Furuno. FAR-1518BB
Magnetic compass	1x Cassens & Plath, Reflecta 1
Autopilot	1x Simrad, AP-70
Gyro compass	1x Anschutz Standard 22 Compact
EPIRB	1x Jotron, Tron-60S
SART	1x Jotron, Tron Sart-20
GPS	1x Furuno, GP-170
AIS	1x Furuno, FA-170
Echosounder	1x Furuno, FE-800
Speedlog	1x Skipper, EML-224
Intercom	1x Phontech, CIS3000
Watch alarm	1x Furuno, BR-500
VHF / DSC	2x Trane & Thrane, RT6222
Handheld VHF	2x Jotron, Tron TR-30
SSB	1x Cobham, model 6310
Inmarsat-C	2x Cobham, Sailor 6110
Navtex	1x Furuno, NX-700A
Radio – TV system	1x SEAS system, SEAS-6000

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