GENERAL

YARD NUMBERS
512359

DELIVERY DATE
June 2016

BASIC FUNCTIONS
Towing, mooring and fire-fighting operations

CLASSIFICATION
Lloyd’s Register
100 A1 Tug | LMC UMS EP IWS

FLAG
Royal Dutch Navy

OWNER
Royal Dutch Navy

DIMENSIONS

LENGTH O.A.
28.67 m

BEAM O.A.
10.43 m

DEPTH AT SIDES
4.60 m

DRAUGHT AFT
4.91 m

DISPLACEMENT (APPROX.)
564 ton

TANK CAPACITIES

FUEL OIL
74.6 m³

FRESH WATER
16.4 m³

FOAM
8.0 m³

LUBRICATION OIL
9.3 m³

HYDRAULIC OIL
0.36 m³

DIRTY OIL
3.2 m³

SEWAGE
8.8 m³

SLUDGE
3.2 m³

BILGE WATER
5.2 m³

PERFORMANCES

BOLLARD PULL AHEAD
61.2 ton

BOLLARD PULL ASTERN
58.0 ton

SPEED AHEAD MAIN ENGINES
13.9 knots

SPEED AHEAD GENERATOR
8.0 knots

SPEED AHEAD BATTERIES
4.0 knots (1 hour max.)

PROPELLATION SYSTEM

MAIN DIESEL ENGINES
2x MTU 16V4000M63R

TOTAL DIESEL POWER
3680 kW (4935 bhp) at 1600 rpm

1x MTU 12V 2000 M41B, 800 kVA, 440V-60Hz

2x 117.5 kWh Valence U 27-36XP

2x ABB M3LP450 / 2x 230 kW

2x Rolls Royce US 205

2400 mm

55,000 m³/h

AUXILIARY EQUIPMENT

GENERAL GENERATOR SETS
1x Volvo DSA TA, 107 kVA, 230/400 V – 50 Hz

2x Sterling AKHA 5101 each 20 m³/h

FACET, 0.5 m³/h

Sterling AKHA S101 and AOHA 3101

Box cooling + anti-growth system Westfalia OTC 2-02-137

Sterling AKHA S101

Freshwater Sterling HBK 111 / AOHA 1202

1x electrically driven pump + 2x main engine driven pumps

Kvaerner/Norgveg, 1200 m³/h

2x 600 m³/h water, 2x 150 m³/h foam

DECK LAY-OUT

ANCHORS
2x 360 kg Pool (High Holding Power)

Electrically driven two speed winch with double drum and warping head, pull 35 ton at 9.2 m/min, slack rope speed up to 28 m/min, 150 ton brake

5 ton at 15 m/min, electrically driven

Heila HLM 10-25 + Heila MW 14

D-fender at sides, cylinder fender at transom corners, cylinder and W-block bow fender

ACCOMMODATION

For 5 + 1 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. Captain’s cabin, chief engineer’s cabin, chief officer’s cabin (+1), one double crew cabin, office, galley, mess/dayroom, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCHLIGHT
2x Pesch 1000 W

RADAR SYSTEM
1x Furuno FAR-2117 with 19 inch screen

1x Furuno FMD 3200 BB

FURUNO GP 170 D

Furuno FE-700

Furuno DS-80

2x Sailor 6222 (one with DSC)

2x Jotron TRON TR-20 + 4x Motorola DP-4401 ATEX

Saab RAS

Jotron Tron 605

ARC Pathfinder 3 Sart

OMC 140 / OMC 160