



DAMEN STAN TUG[®] 3011

"YN 511803-04"

GENERAL

| | |
|-----------------|---|
| YARD NUMBER | 511803-04 |
| BASIC FUNCTIONS | Towing, mooring and Ø fire-fighting operations |
| CLASSIFICATION | Lloyd's Register ✳ 100 A1 Tug [✳] LMC UMS Ø Lloyd's Register ✳ 100 A1 Tug [✳] LMC UMS Fire Fighting ship 1 Ø Lloyd's Register ✳ 100 A1 Tug [✳] LMC UMS Fire Fighting ship 1 incl. Water Spray Epoxy paint system |
| PAINTING | |

DIMENSIONS

| | |
|----------------|---------|
| LENGTH O.A. | 30.66 m |
| BEAM O.A. | 11.13 m |
| DEPTH AT SIDES | 4.60 m |
| DRAUGHT AFT | 4.80 m |

TANK CAPACITIES

| | |
|-------------------------|----------------------|
| FUEL OIL | 158.0 m ³ |
| FRESH WATER | 15.8 m ³ |
| Ø FOAM | 10.5 m ³ |
| Ø DISPERSANT | 3.8 m ³ |
| SEWAGE | 4.6 m ³ |
| LUBRICATION OIL (CLEAN) | 3.6 m ³ |
| LUBRICATION OIL (DIRTY) | 2.9 m ³ |
| BILGE WATER | 3.8 m ³ |
| SLUDGE | 2.9 m ³ |

PERFORMANCES (TRIALS)

| | |
|--------------------|-------------|
| BOLLARD PULL AHEAD | 67.8 ton(m) |
| SPEED | 12.5 knots |

PROPULSION SYSTEM

| | |
|---------------|-------------------------------------|
| MAIN ENGINES | 2x CAT 3516C TA HD / C |
| TOTAL POWER | 3730 bkW (5000 bhp) at 1600 rpm |
| GEARBOXES | 2x Reintjes WAF 873 / 7.526:1 |
| PROPELLERS | 2x Kaplan II fixed pitch propellers |
| NOZZLES | 2x 2800 mm Van de Giessen "Optima" |
| Ø BOWTHRUSTER | 620 mm, 99 kW hydraulic |

AUXILIARY EQUIPMENT

| | |
|---------------------|---|
| MAIN GENERATOR SETS | 2x Caterpillar C7.1 TA, 230/400 V, 125 kVA, 50 Hz |
| BILGE PUMPS | 2x Sterling SIHI AKHA 6101 |
| FUEL PUMPS | Sterling SIHI AKHA 5101 and AOHA 3101 |
| COOLING SYSTEM | Box cooling + anti growth system |
| FW PRESSURE SET | Freshwater Sterling HBK 111 / AOHA 3101 |
| Ø DISPERSANT | Dispersant pumpset with 2 spraybooms |
| Ø FIFI SET | Separate diesel driven pump, 600/1200/2400 m ³ /hr |
| Ø FIFI MONITORS | 2x 300 m ³ /hr or 2x 600 m ³ /hr or 2x 1200 m ³ /hr water/foam |

DECK LAY-OUT

| | |
|--------------------|--|
| ANCHOR | 2x 495 kg Pool (High Holding Power) |
| CHAIN (TOT.) | 302,5 m, chain 22 mm, U2/Q2 |
| ANCHOR WINCH | Electrically driven with warping head |
| Ø AFT TOWING WINCH | Hydraulically driven, single drum, two speed winch with warping head, pull 35 ton at 9.2 m/min and reduced pull at 27 m/min, 150 ton brake, with spooling device |
| Ø CRANE + WINCH | Heila HLM20-3S, 1.7 ton at 10.60 m + MW22 2150 kg |
| Ø TOWING HOOK | Mampaey, disc type, 70 ton |
| FENDERING | Rubber bow fender, W type block fender and D-fender at the sides. |
| | SWL 80 ton |
| STERN ROLLER | |

ACCOMMODATION

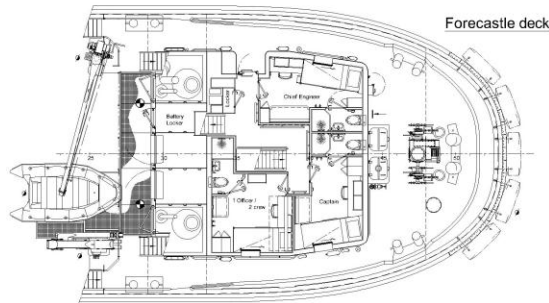
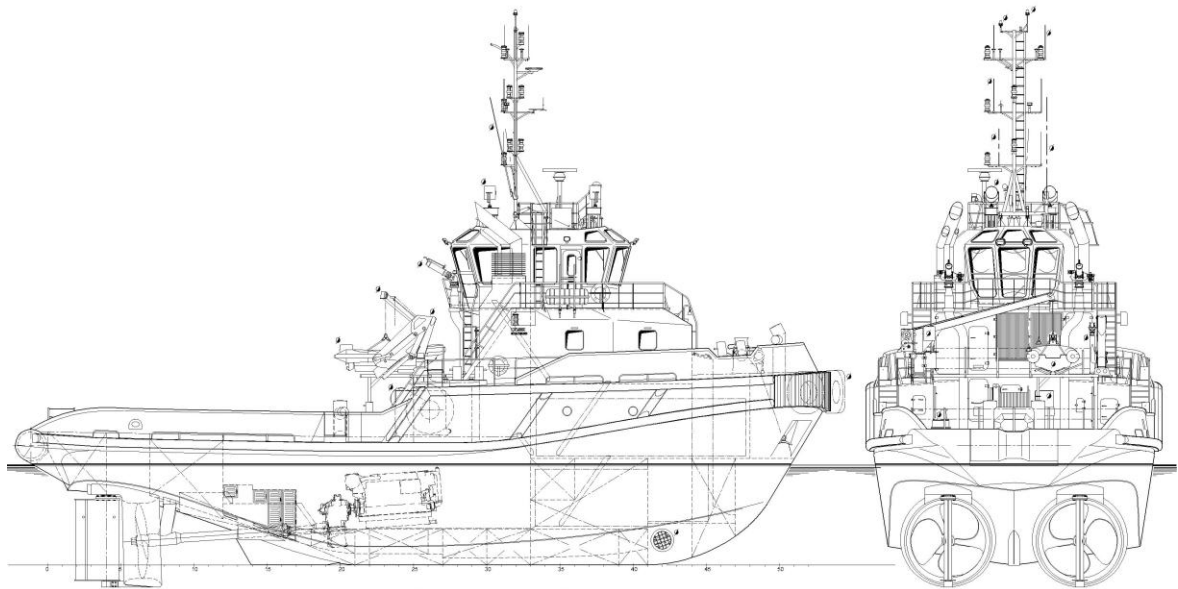
Air-conditioned accommodation for 10 persons, completely insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse and floating floors. Captain's cabin, chief engineer's cabin and 4x 2 crew cabins, galley, mess/dayroom and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

| | |
|------------------------|-----------------------------------|
| SEARCHLIGHT | Pesch 1000 W |
| Ø SEARCHLIGHT (FIFI 1) | 2x Pesch 450W Xenon |
| RADAR SYSTEM | Furuno FAR-2117 |
| COMPASS | Magnetic Kotter type |
| AUTOPILOT | Simrad AP-70 |
| GPS | Furuno GP-150 |
| ECHOSOUNDER | Furuno LS-6100 |
| SPEEDLOG | Furuno DS-80 |
| VHF | 2x Sailor 6222, 25 W |
| Ø SSB | Furuno FS-1575 |
| NAVTEX | Furuno NX-700 |
| AIS | Furuno FA-150 |
| Ø INMARSAT | 2x Furuno Felcom 18, 1x with LRIT |
| EPIRB | Jotron Tron-40S |
| SART | Jotron Tron Sart |
| Ø ANEMOMETER | Obsermet OMC-115 |

COMPLETE VESSEL ON STOCK

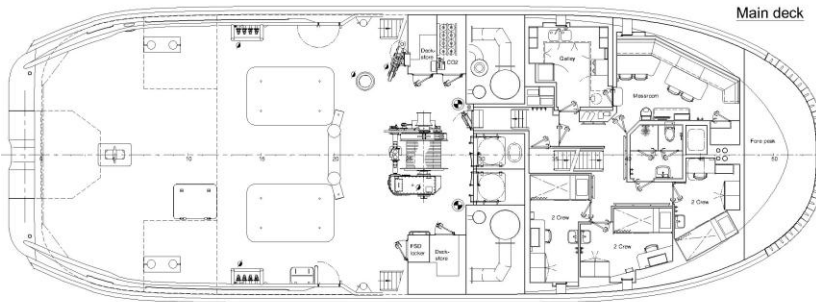
Ø = OPTIONAL EQUIPMENT



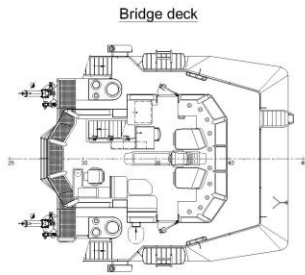
Forecastle deck



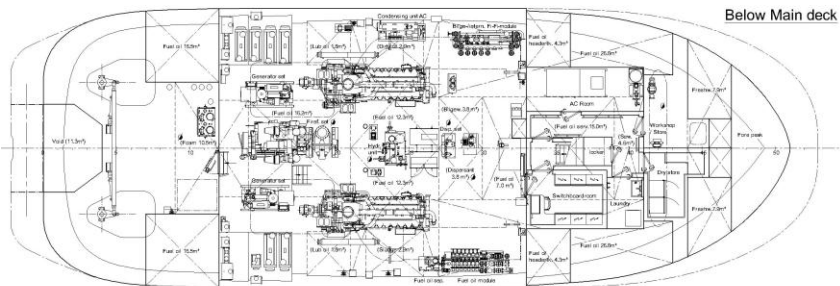
Top deck



Main deck



Bridge deck



Below Main deck

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DAMEN

DAMEN SHIPYARDS GORINCHEM

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