



KTK BARAKUDA

GENERAL

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| TYPE | Damen ASD Tug 2810 |
| BUILT | Damen Shipyards June 2010 |
| CLASSIFICATION | Lloyd's Register ✱100A1 Tug Fire Fighting Ship 1 (✱) LMC UMS |
| IMO NUMBER | 9550498 |
| FLAG | Kingdom of The Netherlands / Curaçao |
| CALL SIGN | PJDA |
| GROSS TONNAGE | 294 |
| DEADWEIGHT | 133 ton |

DIMENSIONS

| | |
|----------------|---------|
| LENGTH O.A. | 28.67 m |
| BEAM O.A. | 10.43 m |
| DEPTH AT SIDES | 4.60 m |
| DRAUGHT AFT | 4.83 m |
| DISPLACEMENT | 570 ton |

TANK CAPACITIES

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|-----------------|---------------------|
| FUEL OIL | 99.7 m ³ |
| FRESH WATER | 14.9 m ³ |
| FOAM | 7.9 m ³ |
| LUBRICATING OIL | 8.8 m ³ |
| DIRTY OIL | 3.1 m ³ |
| SEWAGE | 2.2 m ³ |
| SLUDGE | 3.1 m ³ |
| BILGEWATER | 5.3 m ³ |
| DISPERSANT | 4.6 m ³ |
| WATERBALLAST | 15.7 m ³ |

PERFORMANCE

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| BOLLARD PULL AHEAD | 60.0 ton |
| BOLLARD PUL ASTERN | 58.8 ton |
| SPEED AHEAD | 13.0 knots |

PROPULSION SYSTEM

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|--------------------|---------------------------------|
| MAIN ENGINES | 2 x Caterpillar 3516B TA HD / C |
| TOTAL POWER | 3678 bkW (4930 bhp) at 1600 rpm |
| AZIMUTH THRUSTERS | 2 x Rolls Royce US 205 |
| PROPELLER DIAMETER | 2400 mm |
| FORCED VENTILATION | 55.000 m ³ /hr |

ACCOMMODATION

For 8 persons, insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse, floating floors and air conditioned. With 5 cabins, galley, mess/dayroom, switchboard room, dry store and sanitary facilities.

AUXILLIARY EQUIPMENT

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|-----------------------|---|
| GENERATOR SETS | 2 x Caterpillar C4.4 TA, 230/400 V, 102.5 kVA, 50 Hz |
| BILGE PUMPS | 2 x Sterling AKHA 5101 each 20 m ³ /hr |
| FUEL PUMPS | Sterling AKHA 4101 and AOHA 3101 |
| COOLING SYSTEM | Box cooling + anti-growth system |
| PRESSURE SET | Fresh water Sterling AOHA 1202 |
| HYDRAULIC SYSTEM | Double main engine driven pumps |
| OIL POLLUTION CONTROL | Dispersion pump set with 2 spray nozzles |
| FIFI SET | Diesel driven pump 2400 m ³ /hr (FIFI 1) |
| FIFI MONITOR | 2 x 1200 m ³ /hr, water / foam |

DECK LAY OUT

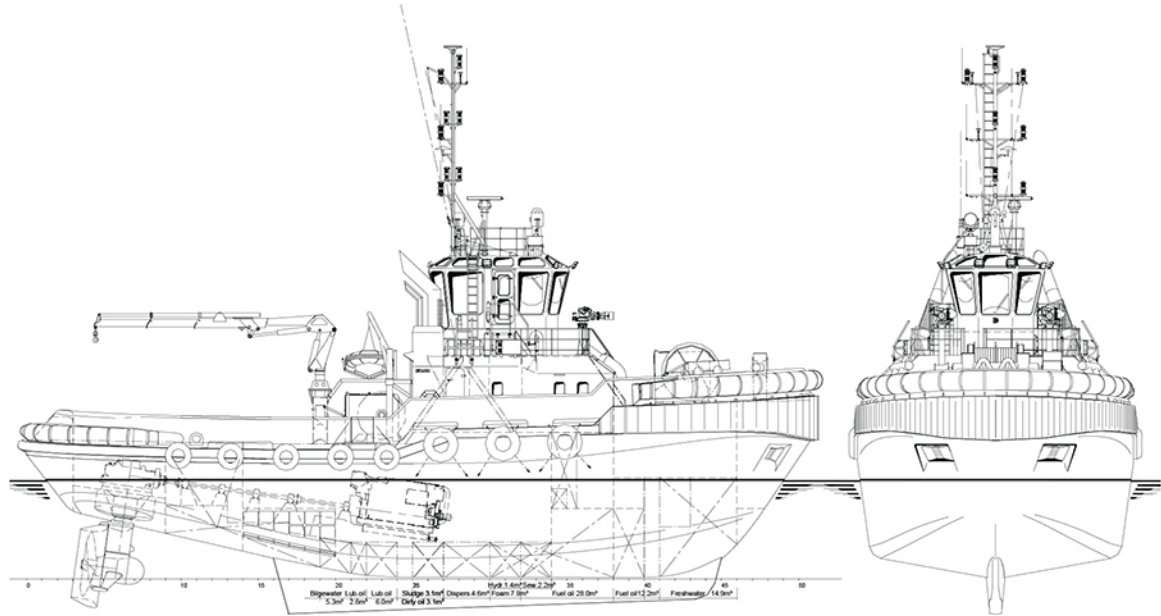
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| ANCHORS | 2 x 360 kg Pool (high holding power) |
| ANCHOR/TOWING EQUIPMENT | Hydraulically driven two speed winch with split drum and warping head, pull 35 ton at 9.2 m/min slack rope speed up to 27 m/min, 150 ton break. |
| CAPSTAN | 5 ton at 15m/min. Electrically driven |
| CRANE | Heila HLM 25-2S, 2.7 ton at 8.60 m |
| TOWING HOOK AFT | Mampaey 65 ton |
| TOWING WINCH AFT | Hydraulically driven, two speed winch with spooling device and warping head. Pull 35 ton at 9.2 m/min, reduced pull up to 27.0 m/min, 150 ton break. |
| FENDERING | D-fender at sides, cylinder and W-block bow fender with water spray |

NAUTICAL AND COMMUNICATION EQUIPMENT

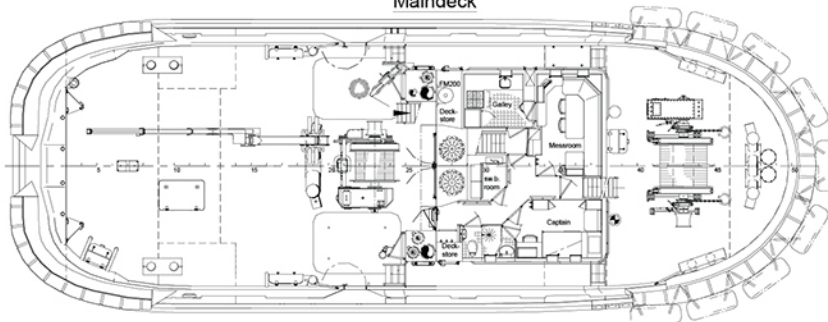
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|----------------------|----------------------------------|
| SEARCH LIGHT | Pesh 450 W Xenon |
| RADAR SYSTEM | Aplhatron JMA 5212-4 |
| COMPASS / AUTO PILOT | Magnetic Kotter / Simrad AP-50 |
| SATELITE COMPASS | Furuno NX-700 |
| GPS | Furuno GP-150 |
| ECHO SOUNDER | Furuno LS-6100 |
| VHF RADIO TELEPHONE | 2 x Sailor RT5022 (one with DSC) |
| NAVTEX | Furuno NX-700 |
| AIS | Furuno FA-150 |
| SSB | Furuno FS-1570 |
| INMARSAT + SPARE | Furuno Felcom 15 |
| INMARSAT MINI M | Sailor TT-3064A |

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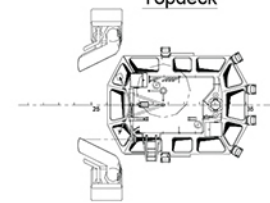
Damen ASD Tug 2810



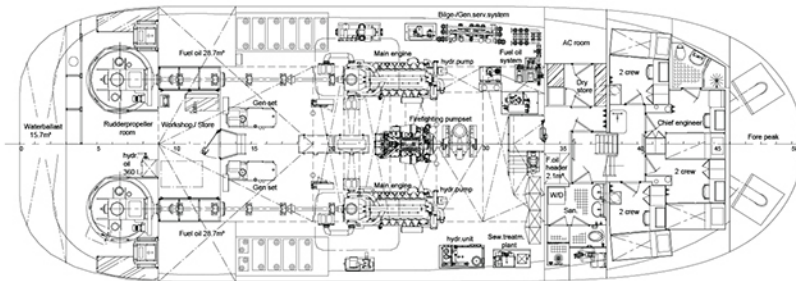
Maindeck



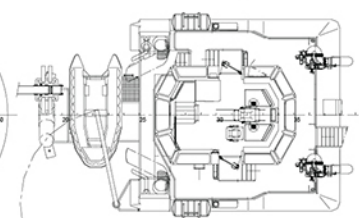
Topdeck



Below Maindeck



Bridgedeck



KTK TUGS

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