



DAMEN STAN TUG® 2608 "PERLA DEL SUR"

BUILT UNDER LICENSE FROM A SHIPBUILDING KIT SUPPLIED BY DAMEN TECHNICAL COOPERATION

GENERAL

YARD NUMBER	509817
DELIVERY DATE	December 2007
BASIC FUNCTIONS	Inland water, harbour and coastal towing services, fire fighting, pollution control
CLASSIFICATION	Lloyds Register * 100 A 1 Tug [*] LMC
FLAG	Cuba
OWNER	Navigacion Caribe

BUILDING YARD

NAME	Damex, Santiago de Cuba
COUNTRY	Cuba

DIMENSIONS

LENGTH O.A.	26.09 m
BEAM O.A.	7.94 m
DEPTH AT SIDES AT ½ SIDE	4.05 m
DRAUGHT AFT	3.90 m

TANK CAPACITIES

FUEL OIL	80.1 m ³
FOAM	5.7 m ³
FRESH WATER	12.2 m ³
SEWAGE	1.8 m ³
BILGE WATER	2.4 m ³
LUBRICATION OIL	1.9 m ³
DIRTY OIL	1.9 m ³
WATER BALLAST	19.4 m ³
DISPERSANT	1.0 m ³
SLUDGE	1.0 m ³

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	50.2 ton (m)
SPEED	13.0 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3512 B TA HD+/B
TOTAL POWER	2850 bkW (3822 bhp) at 1600 rpm
GEARBOXES	Reintjes WAF 773 L
PROPELLERS	Ø 2350 mm
CONTROLS/STEERING	Electrically/hydraulically driven
NOZZLES	2x Van de Giessen "Optima"

AUXILIARY EQUIPMENT

MAIN GENERATOR SETS	2x Caterpillar C4.4 TA 95 kVA, 440 V, 60 Hz
BILGE PUMP	2x Sterling AKHA 5101, 22m ³ /hr at 14 m.w.g.
EXTERNAL FIFI	Capacity 300 m ³ /hr water/foam
EXTERNAL POLLUTION SYSTEM	Megator DP20
HYDRAULIC SYSTEM	Double main engine driven pumps

DECK LAY-OUT

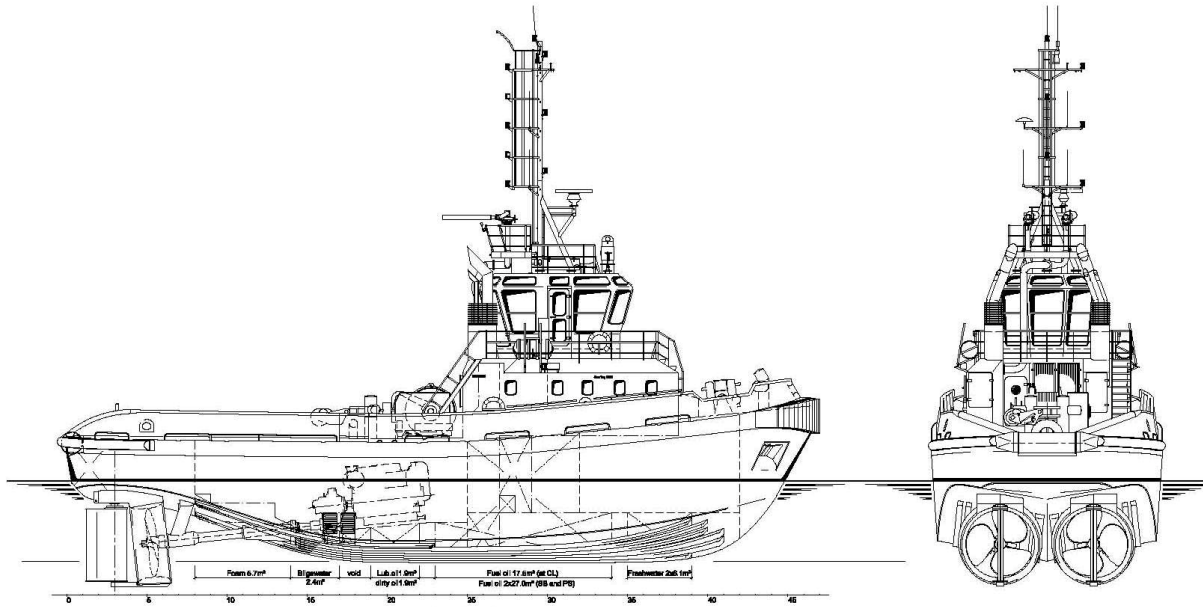
ANCHORS	2x 270 kg, Ø 17.5 mm (stud-link) U2
ANCHOR WINCH	Electrically driven
TOWING EQUIPMENT	Mampaey Disc type, SWL 650 kN/65.9 tonf
TOWING WINCH	Kraaijeveld, 20 ton SWL, capacity 400 m, wire Ø 44 mm

ACCOMMODATION

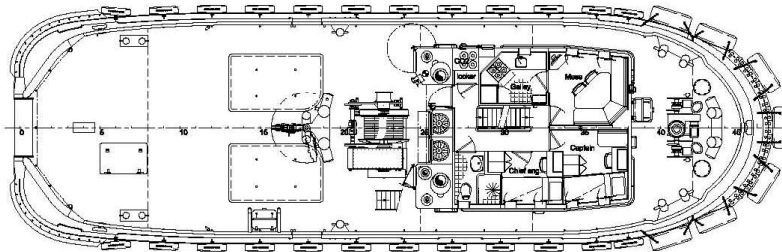
Accommodation for 8 persons. On main deck are situated mess, galley and two cabins, one for captain, one for chief engineer. Below main deck are situated three double crew cabins and store.

NAUTICAL AND COMMUNICATION EQUIPMENT

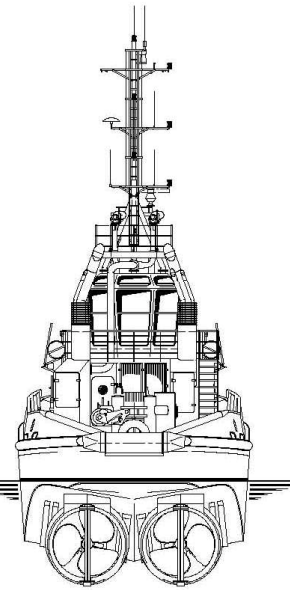
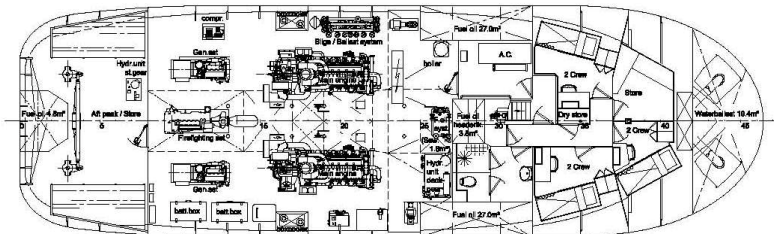
SEARCH LIGHT	2x Pesch, 1000 Watt
RADAR SYSTEM	Furuno FR-8062
AUTO PILOT	Robertson AP 50
GPS NAVIGATOR	Furuno GP 150
ECHOSOUNDER	Furuno LS 6100
VHF RADIO TELEPHONE	1x Sailor RT 5022 with DSC + 1x RT-2048
SSB RADIO TELEPHONE	Furuno FS-1570
VHF HAND HELD	2x VHF Jotron TR-20
NAVTEX	Furuno Navtex receiver, NX-700



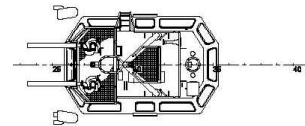
Maindeck



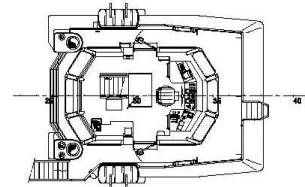
Below Maindeck



Topdeck



Bridgedeck



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DAMEN

DAMEN SHIPYARDS GORINCHEM

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