



## DAMEN STAN TUG® 2608

### "AL IRADAH 7"

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

#### GENERAL

YARD NUMBER	509832
DELIVERY DATE	August 2010
BASIC FUNCTIONS	Harbour and coastal work, towing pushing and fire fighting
CLASSIFICATION	* 100 A1 Tug [*] LMC
FLAG	Libian
OWNER	Socialist Ports Company (SPCo)

#### BUILDING YARD

NAME	Dar Assina'a Wa Assiana Albahria
COUNTRY	Libya

#### DIMENSIONS

LENGTH O.A.	26.09 m
BEAM O.A.	7.94 m
DEPTH AT SIDES AT ½ LENGTH	4.05 m
DISPLACEMENT	356 tons

#### TANK CAPACITIES

FUEL OIL	75.3 m <sup>3</sup>
FRESH WATER	12.4 m <sup>3</sup>
FOAM	5.9 m <sup>3</sup>
LUBRICATION OIL	2.0 m <sup>3</sup>
BILGE WATER	2.3 m <sup>3</sup>
SEWAGE	1.8 m <sup>3</sup>
WATERBALLAST	24.8 m <sup>3</sup>

#### PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	47.4 ton (m)
SPEED	12.9 knots

#### PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3512 B TA HD/B
TOTAL POWER	2610 bKW at 1600 rpm
GEARBOXES	Reintjes WAF 773 L, 7.087:1
PROPELLERS	2x Kaplan 11 Ø 2350 1x CW
	1x CCW
NOZZLES	Optima

#### AUXILIARY EQUIPMENT

MAIN GENERATOR SETS	2x Caterpillar C. 4.4. T, 230/400V, 50Hz
CAPACITY	± 64 kVA
FIFI ENGINE	Caterpillar 3056 TA
FIFI PUMP	Sterling ZLNY 125-400, 300 m <sup>3</sup> /hr
BILGEWATER SEP.	Sterling AKHA 5101
FRESH WATER PRESSURE SET	Sterling AOHA 1202
SEWAGE PUMP	Libellula L1-3H, 6.6 m <sup>3</sup> at 15 m.w.g.
LUBRICATION OIL FILL PUMP	Sterling R35/25 2.1 m <sup>3</sup> /hr at 4 bar

#### DECK LAY-OUT

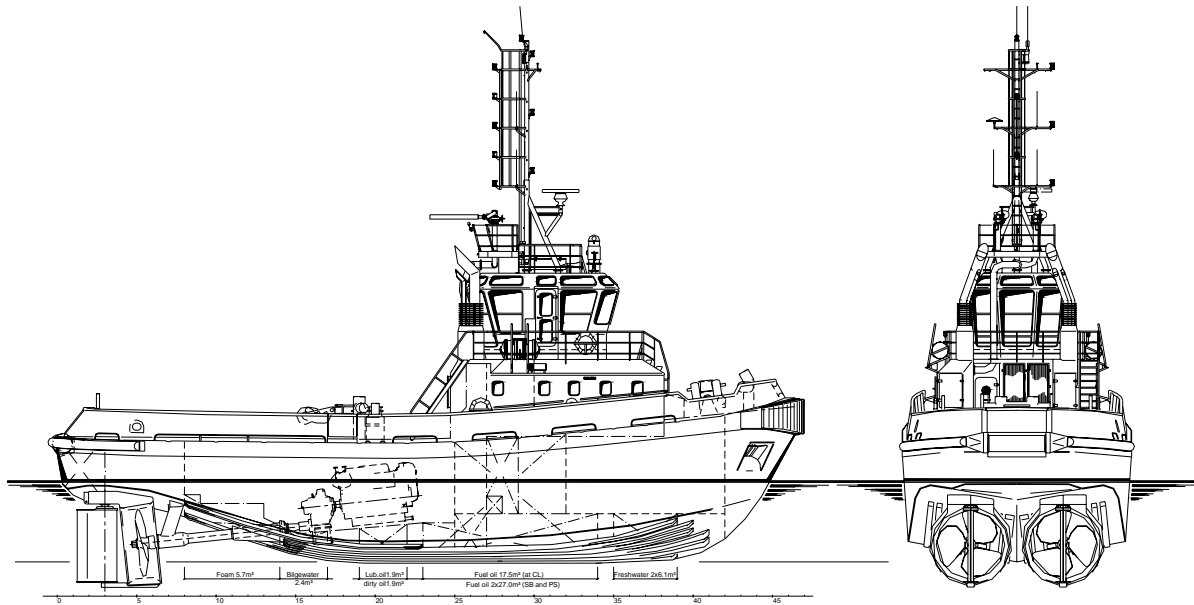
ANCHORS	2x 270 kg with 17.5 mm (stud link) U2 Class
ANCHOR/TOW.WINCH	DMT electric
TOWING HOOK	SWL 650 kN
CAPSTAN	Electr. 15 m/min capacity 3 ton

#### ACCOMMODATION

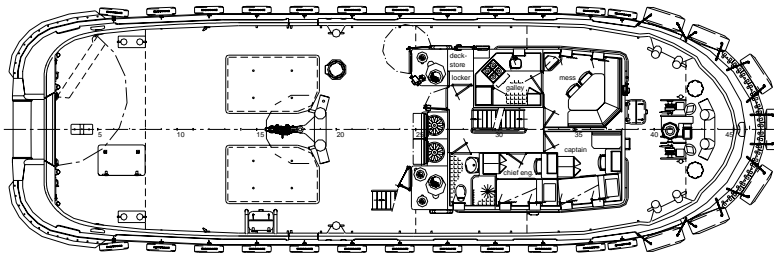
Accommodation for 6 persons, containing day and night living. Main deck: Captain cabin and Chief Engineers cabin. Below main deck: 2 cabins for 2 persons each, mess room, galley and stores

#### NAUTICAL AND COMMUNICATION EQUIPMENT

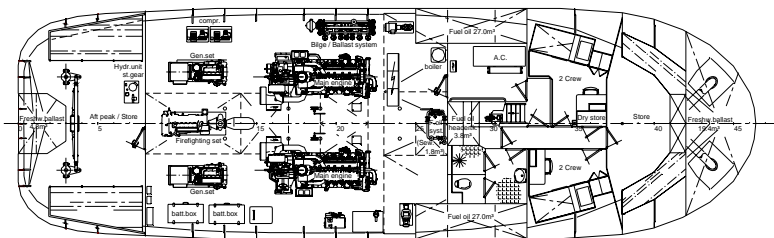
RADAR SYSTEM	Furuno, FR-8062
MAGNETIC COMPASS	Cassens & Plath or equal – Kotter type
GPS	Furuno, GP-150
ECHOSOUNDER	Furuno, LS-6100
VHF RADIO TELEPHONE	SP-Radio, type Sailor Compact RT5022
SSB/DSC	Furuno, FS-1570



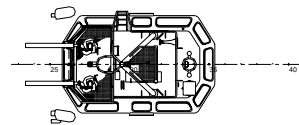
Maindeck



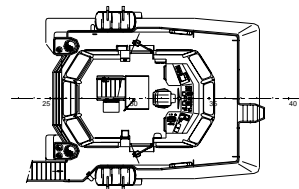
Below Maindeck



Topdeck



Bridgedeck



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## DAMEN

DAMEN SHIPYARDS GORINCHEM

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