



## DAMEN STAN TUG® 2909

### "JAWAR DUBAI"

#### GENERAL

YARD NUMBER	511621
DELIVERY DATE	October 2009
BASIC FUNCTIONS	Towing, mooring, fire fighting and salvage operations
CLASSIFICATION	Lloyd's Register * 100 A1 Tug [*] LMC
FLAG	United Arab Emirates
OWNER	Jawar Al Khaleej Shipping LLC., U.A.E.

#### DIMENSIONS

LENGTH O.A.	29.24 m
BEAM O.A.	8.84 m
DEPTH AT SIDES	4.40 m
DRAUGHT AFT	4.59 m
DISPLACEMENT	550 ton

#### TANK CAPACITIES

FUEL OIL	135.1 m <sup>3</sup>
FRESH WATER	20.6 m <sup>3</sup>
FOAM	10.0 m <sup>3</sup>
DISPERSANT	3.5 m <sup>3</sup>
SEWAGE	1.8 m <sup>3</sup>
LUBRICATION OIL	3.9 m <sup>3</sup>
DIRTY OIL	2.5 m <sup>3</sup>
BILGE WATER	2.9 m <sup>3</sup>
SLUDGE	1.6 m <sup>3</sup>
WATERBALLAST	27.0 m <sup>3</sup>

#### PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	66.1 ton
SPEED	13.4 knots

#### PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3516B TA HD / B
TOTAL POWER	3542 bkW (4750 bhp) at 1600 rpm
GEARBOXES	2x Reintjes WAF 873 / 7.455:1
PROPELLERS	2x Kaplan II fixed pitch propellers
NOZZLES	2x 2650 mm Van de Giessen "Optima" with st. st. innerrings

#### AUXILIARY EQUIPMENT

MAIN GENERATOR SETS	2x Caterpillar C4.4 TA, 230 / 400 V, 107 kVA, 50 Hz
BILGE PUMPS	2x SIHI AKHA 5101 each 20 m <sup>3</sup> /hr
FUEL PUMPS	SIHI AKHA 5101 and AOHA 3101
COOLING SYSTEM	Box cooling + anti marine growth system
PRESSURE SET	Freshwater SIHI AOHA 1202
FIFI SET	Caterpillar 3406E TA, 1200 m <sup>3</sup> /hr at 10.5 bar
FIFI MONITORS	2x 600 m <sup>3</sup> /hr, water/foam

#### DECK LAY-OUT

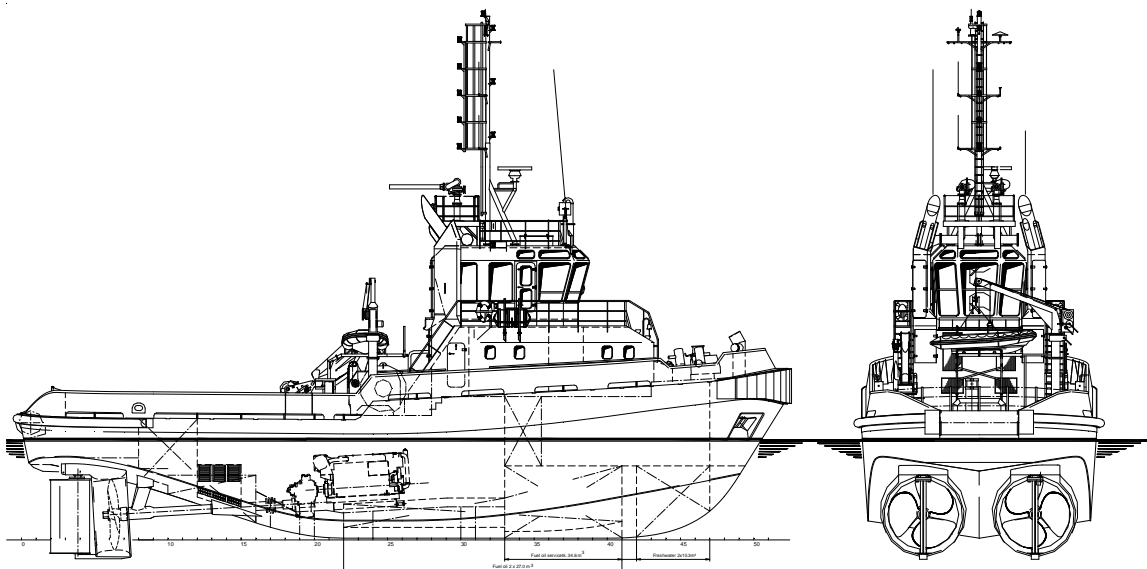
ANCHOR	2x 360 kg Pool (High Holding Power)
CHAIN	2x 137.5 m, chain 19 mm, U2 / Q2
ANCHOR WINCH	DMT, electrically driven with warpinghead
TOWING WINCH	DMT, hydraulically driven, double drum, 40 ton at 10 m/min, brake holding force 120 ton
TOWING HOOK	Mampaey, disc type, 65 ton
TOWING PINS/FORKS	Karmoy, 2 forks, 2 pins
TUGGER WINCH	DMT, hydraulically driven, 7.5 ton at 15 m/min
CRANE	Heila, HLM 25-2S 2.7 ton at 8.0 m
STERN ROLLER	SWL 35 ton
FENDERING	Rubber bow and stern corner fenders

#### ACCOMMODATION

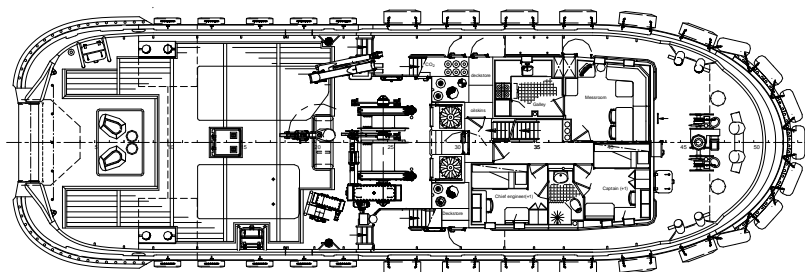
Accommodation for 10 persons, completely insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse and floating floors. Air-conditioned accommodation with 5 cabins, galley, mess/dayroom and sanitary facilities.

#### NAUTICAL AND COMMUNICATION EQUIPMENT

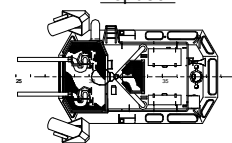
SEARCHLIGHT	Pesch 1000 W
RADAR SYSTEM	Furuno FR-1505 mk III
COMPASS	Magnetic, Kotter type
AUTOPILOT	Simrad AP 50
GPS	Furuno GP-150
ECHOSOUNDER	Furuno FE-700
VHF	2x Sailor RT5022, 25 W with DSC
SSB	Furuno FS-1570
NAVTEX	Furuno NX-700
AIS	Furuno FA-150
INMARSAT	2x Furuno Felcom-15
ANEMOMETER	Obsermet OMC-115



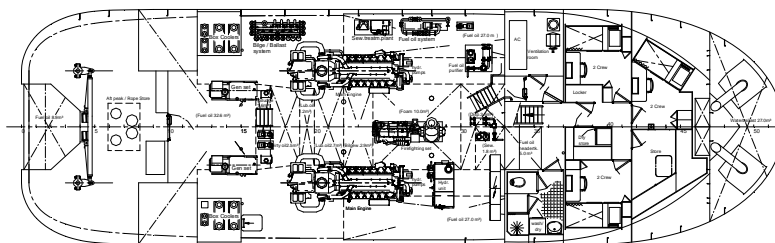
Maindeck



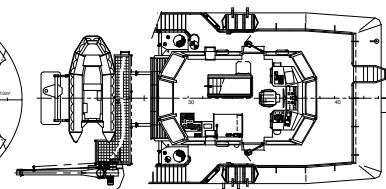
Topdeck



Below Maindeck



Bridgedeck



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**DAMEN**

DAMEN SHIPYARDS GORINCHEM

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