



DAMEN SHOALBUSTER® 2308

“CARMEN”

GENERAL

YARD NUMBER	571623 (Damen Shipyards Hardinxveld)
DELIVERY DATE	February 2013
BASIC FUNCTIONS	Towing, mooring, pushing, anchor handling, dredge support
CLASSIFICATION	Bureau Veritas I ✱ HULL • MACH Tug unrestricted navigation
NATIONAL AUTHORITIES	IWW 30 nautical miles from shore
FLAG	Dutch
OWNER	Thong Yong International

DIMENSIONS

LENGTH O.A.	23.35	m
BEAM MLD.	8.00	m
DEPTH AT SIDES	2.99	m
DRAUGHT AFT (FULLY LOADED APPROX.)	2.29	m
DISPLACEMENT	238	ton

TANK CAPACITIES (APPROX)

FUEL OIL	45.50	m ³
FRESH WATER	13.90	m ³
SEWAGE	1.90	m ³
BILGE WATER	0.90	m ³

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD, MAX	24.1	ton(m)
SPEED APPROX.	11.1	knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3412D TTA
TOTAL POWER	1264 bkW (1696 bhp) @ 1800 rpm
GEARBOXES	2x Reintjes WAF 464L/ 5.042:1
PROPULSION DIAMETER	2x Promarin fixed pitch propeller 2x 1606 mm in V.d. Giessen optima nozzles
BOWTHRUSTER	120 bhp, hydraulically driven

AUXILIARY EQUIPMENT

GENERATOR SETS	2x Caterpillar C4.4NA
CAPACITY	2x 43,75 kVA, 50 Hz, 230/400V
TRANSFER PUMPS	For fresh water: SIHI, 25 m ³ /h @ 2 bar For fuel oil: SIHI, 25 m ³ /h @ 1.5 bar
FUEL OIL SEPARATOR	Facet
HYDRAULIC SET	Caterpillar C-09 TA

DECK LAY-OUT

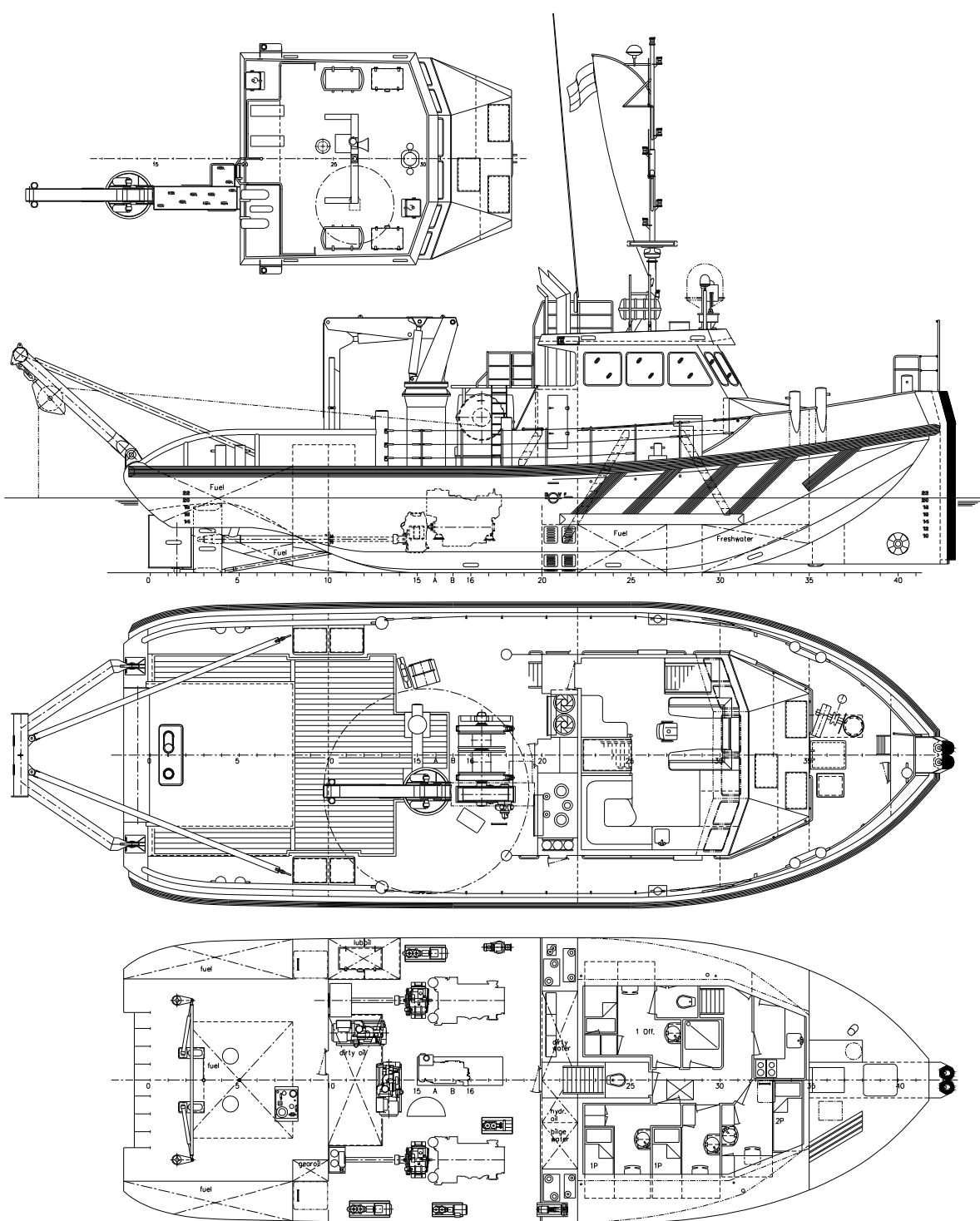
ANCHOR CHAIN	1x 240 kg Pool (HHP) + 1 spare 19 mm stud-link anchor chain 137.5 m
ANCHOR WINCH	Ridderinkhof hydraulically driven
DECK CRANE	Heila HLRM 80 Ton-3 S 5.3T@12,04m
TOWING WINCH	30 ton @ 6 m/min 6 ton @ 24 m/min 55 ton holding power
A-FRAME	25 ton SWL
TOWING PINS	WK Hydraulics, three in a row
TUGGER WINCH	8 ton @ 4,5m/min 0,5 ton @ 20m/min

ACCOMMODATION

Heated and air-conditioned living spaces for 5 persons, consisting of a captain's cabin, an chief engineers cabin, one single cabin and one double crew cabin, a galley and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

ACCORDING GMDSS AREA2	
SEARCHLIGHTS	2x Pesch 2000W
MAGNETIC COMPASS	1x Cassens & plath Reflecta 1
GYRO COMPASS	1x Anschuetz standard 22 compact
RADAR	Furuno FAR-2117
GPS	Furuno GP-150D
AUTOPILOT	Furuno Seapilot 75
ECHOSOUNDER	Furuno FE-700
VHF RADIO TELEPHONE	2x Sailor RT6222, 25 Watt
HANDHELD VHF	2x Jotron TR20
NAVTEX	Furuno NX 700
SSB	Thrane & Thrane 6310
INMARSAT-C	Thrane & Thrane 6110
AIS	Furuno FA 150
SPEEDLOG	Furuno DS-80
INTERCOM	Sigma 700
BRIDGE WATCH ALARM	Marble 421



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Member of the DAMEN SHIPYARDS GROUP



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