



DAMEN SHOALBUSTER® 2308

"YN571657"

GENERAL

YARD NUMBER	YN571657 (Damen Shipyards Hardinxveld)
DELIVERY DATE	July 2015
BASIC FUNCTIONS	Towing, mooring, pushing, anchor handling, dredge support
CLASSIFICATION	Bureau Veritas I ✳ HULL • MACH Tug unrestricted navigation, (Special Service - Offshore Maintenance vessel (aft deck ATEX 2 zone))
NATIONAL AUTHORITIES	IVW 30 nautical miles from shore
FLAG	UAE
OWNER	Abu Dhabi Petroleum Ports Operating CO. (IRSHAD)

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 AVERAGE	21.2	ton(m)
BOLLARD PULL AHEAD MAX.	21.5	ton(m)
SPEED MAX.	11.0	knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar C32 Acert
TOTAL POWER	1268 bkW (1724 bhp) @ 1800 rpm
GEARBOXES	2x Reintjes WAF 464L/ 5.042:1
PROPULSION	2x Promarin fixed pitch propeller
DIAMETER	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
HYDRAULIC SET	Caterpillar C-09 TA 189kW @ 1800rpm

DECK LAY-OUT

ANCHOR	1x 195 kg Pool (HHP)
CHAIN	19 mm stud-link anchor chain 137.5 m
ANCHOR WINCH	Ridderinkhof hydraulically driven
DECK CRANE	Heila HLRM 80-3 S 5.3T@12,04m, with 5T pull winch, (crane executed ATEX 2)
TOWING WINCH	30 ton @ 6 m/min 6 ton @ 24 m/min 55 ton holding power 25 ton SWL
A-FRAME	
VERTICAL STERN ROLLER	2x Ø600mm guiding roller SWL12T
TOWING PINS	WK Hydraulics, three in a row
TUGGER WINCH	1x Dromec HPV 12000, 12T pull,

ACCOMMODATION

Heated and air-conditioned living spaces for 6 persons, consisting of a two persons captain's cabin, and two double crew cabins, 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	1x Furuno FAR-2117
ECDIS	1x Furuno FMD3100
DGPS	1x Furuno GP-170
AUTOPILOT	1x Simrad AP-70
ECHOSOUNDER	1x Furuno FE-700
VHF RADIO TELEPHONE	2x Sailor RT6222, 25 Watt
HANDHELD VHF	2x Jotron TR20
HANDHELD VHF (ATEX)	2x Thrane SP3540 ATEX
NAVTEX	1x Furuno NX 700
SSB	1x Thrane & Thrane 6310
INMARSAT-C	1x Thrane & Thrane 6110
AIS	1x Furuno FA 150
SPEEDLOG	1x Furuno DS-80
INTERCOM	1x Sigma 700
BRIDGE WATCH ALARM	1x Marble 421
SATELLITE TV SYSTEM	1x Seatel ST-24
WIND INDICATOR	1x Obsermet OMC115
GAS DETECTION SYSTEM	1x MSA system, Hydrocarbons and Hydrogen sulfides

