

CMS PAHLAVAN

DAMEN SHOAL BUSTER 2709 Tug



GENERAL DATA

Type	Fire Fighting Tug Vessel, Damen Shoal buster 3209
Shipyard	Albwardy Marine Engineering LLC/Dubai UAE Hardinxveld- Giessendam, The Netherlands
Year built	2014
Class	KM ★ R2 AUT1 FF3WS tug
Flag	Azerbaijan
Port of registry	Baku,
Call sign	4JQG
IMO number	9753789

DIMENSIONS

Length overall	32.27 m
Breadth	9.10 m
Moulded Depth	4.40 m
Summer Draft	3.30 m
Air draft	Max.19.20m & Min.13.05m
Deck Dimension	10.0m x 6.0m

CAPACITIES

Gross Tonnage	335 t
Net Tonnage	100 t
Deck Area	60m ²
Deck Strength	15 t/m ²
Deck load	1600 t at COG=0.9m
Fuel Oil	220 m ³ at 100%
Fresh Water	40.8 m ³ at 100%

SPEED

Maximum	11.5 knots
Normal	10 knots
Economical	5.5 knots

MACHINERY & PROPULSION

Main Engines	Caterpillar C 3512, 2 x 1305 kWt /1500 BHP .1600 rpm
Bow Thruster	Hydraulically driven 350 HP Tunnel Thruster
Rudders	2 x Flap rudders

AUXILIARIES

Diesel generators	2 x 96.6 kW / C4.4 Caterpillar
Emergency generator	1 x 357 kW / C18 Caterpillar

FUEL CONSUMPTION PER DAY

Full Speed	7 tons per day
Normal Service	4.5 tons per day
Economical condition	2.5 tons per day

NAVIGATION EQUIPMENT

Radars	1 x Furuno FAR -2117
Echo Sounder	1 x Furuno FE -700
Gyro Compass	1 x Anshultz STD-22
Magnetic Compass	1 x Cassens & Plath GmbH 11
Auto Pilot	1 x Radio Zeeland Seapilot 76
Doppler Log	1 x Furuno DS-80
GPS	1 x Furuno Navigator GP-150
AIS	1 x Furuno Universal FA 150
Navtex	1 x Furuno NX-700

GMDSS EQUIPMENT

MF Transceiver	1 x SAILOR 6301 (Thrn&Thrn)
VHF	2 x SAILOR 6222A (Thrn&Thrn)
VHF Walk-Talk	2 x Icom GPS IC-91D
Inmarsat-C	2 x SAILOR 6006 (Thrn&Thrn)
SART	1 x Tron SART 20
EPIRB	1 x Tron 40 S MK II

LIFESAVING APPLIANCES

Liferafts	2 x 10 person
Lifejackets	10 pcs
Immersion Suits	10 pcs
Life buoys	2 pcs + 2 pcs on DC
EEBD	2 pcs
MOB net	Markushnet

FIFI EQUIPMENT

Fi-Fi	Class-1
Fi-Fi monitor	2 pcs
Fixed CO ₂ system	Engine room & Galley
BA Scott (BAFOS)	2 pcs

ACCOMMODATION

Cabins	2 x 1 person cabins 3 x 2 person cabins
Total POB	8 persons
Minimum safe manning	6 persons
Crew (normal operation)	8 persons

DECK EQUIPMENT

Deck crane	1 x Helia HLRM 170-4SL/SWL 7.9t @ 15.93m 9.0t @ 8.03m
Tugger winches	Dromec HPV 12000/24mm,12t (m) at 5-20m/min
Towing winch	50t at 12m/min / 18t at - 24.2m/min. Holding power 150t, wire cap. 800m 44mm
Anchor handling	100t at 5.9m/37t (m), at 12m/min Holding power150t, wire cap. 720m 44mm
Bollard Pull	45.7t
Shark Jaws	Type: H-200 HD SWL-200t
Guide Pins	Type: S-65. SWL -65t

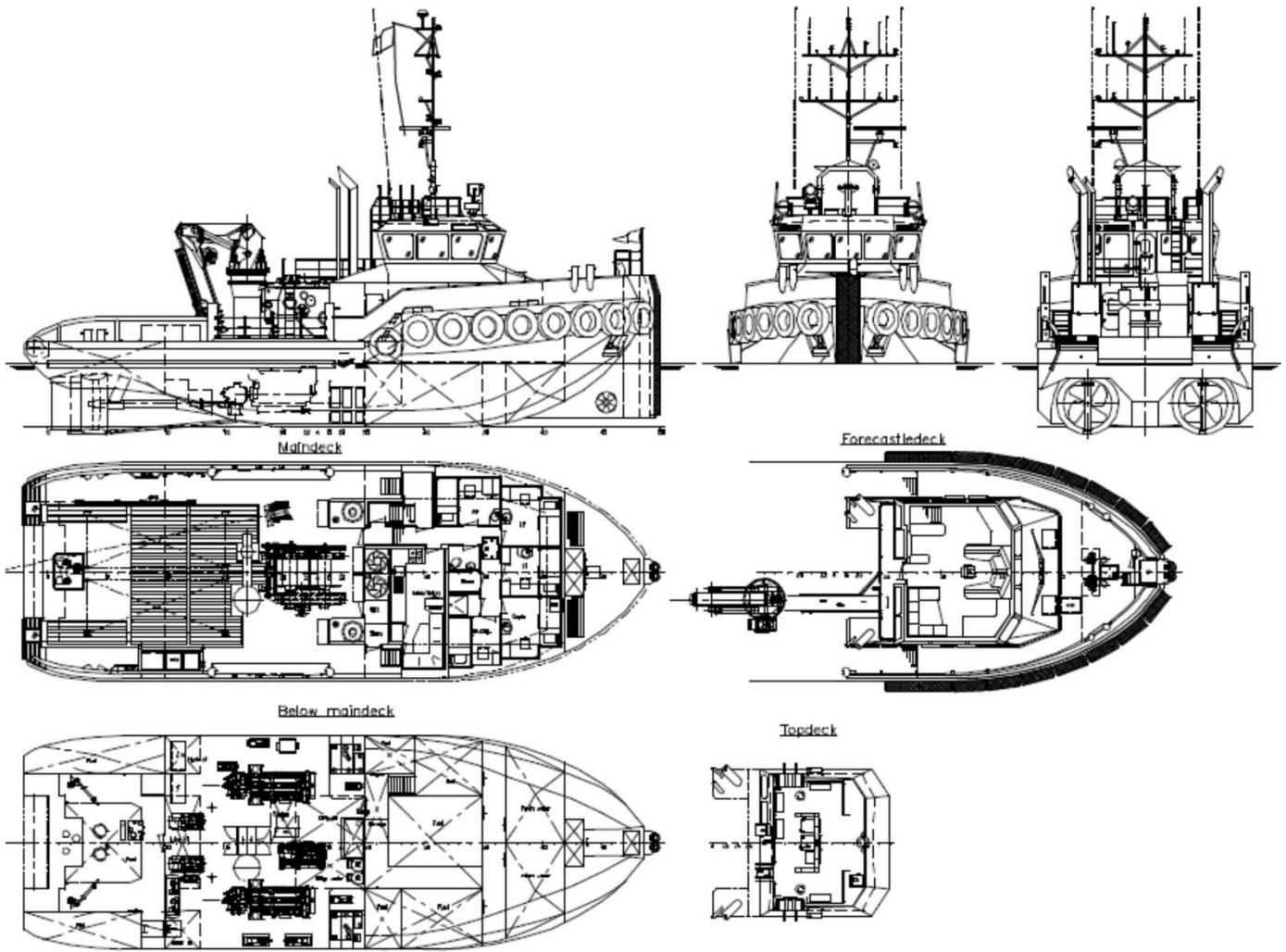
VESSEL SPECIFIC CHARACTERISTICS

The CMS PAHLAVAN is a "Damen 329 model" multi-functional, seagoing, twin-screw tug/workboat for harbor and coastal service. Two marine diesel engines, each driving a fixed pitch propeller in a nozzle, propel the Vessel. Vessel is additionally with an engine driven FiFi pump and twin monitors, each delivering 2000 ltrs a minute with a throw of 120 meters.

An Aft deck crane can lift 7.9 MT at 15.93-meter reach, giving full crane capacity over the stern

The anchor handling and towing winch can store 800 meters of 44 mm wire, and pull 45.7 t on the first layer, with a 150-ton brake holding capacity. When anchor handling, the winch can hold 100 tons on the first layer and again has 150 ton brake holding capacity and room for 600 m of 50 mm wire.

Maximum deck load on centerline between frame 0 and 7 is 15 tons/m². Aft towing pins have a 65-ton capacity.



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