



# TUG CORVIN

 company of  
**SCHRAMM**  
 group ■ ■ ■ ■ ■

## TOWING EQUIPMENT

### Fore deck

1 double drum towing winch:	
High pull (towing drums)	30 t on 1st. layer
Brake hold (towing drums)	150 t on 1st. layer
High speed (towing drums)	20 m/min at 1st. layer
Rope capacity (towing drums)	150 m 12" each
Spare tow line	1 complete tow line per tug (ready for use on the 2nd drum)

### Aft deck

1 single drum towing winch:	
Line pull	up to 110 t on 2nd layer
Break hold	150 t on 2nd layer
Speed	up to 10 m/min at 2nd layer
Wire capacity	750 m - diam 52 mm
pull 1st layer	250 kN

## CARGO CAPACITIES, PUMPS

Cargo deck area	75 m <sup>2</sup>
Deck cargo	75 t
Deck loading	5 t/m <sup>2</sup>
Total fuel oil	130 m <sup>3</sup>
	Pump -1 x 100 m <sup>3</sup> /hr at 30 m
Fresh Water	100 m <sup>3</sup>
	Pump -1 x 100 m <sup>3</sup> at 30 m
Foam	35 m <sup>3</sup>
Dispersant	25 m <sup>3</sup>
Sewage	4 m <sup>3</sup>

## ELECTRONICS

2 radars, 1 gyrocompass, 1 eco sounder, 1 speed log, 1 autopilot, 1 GPS (DGPS), 1 anemometer, 1 INMARSAT M telephone and fax, 1 radio system compliant with GMDSS (A3) rules, including 2 INMARSAT STD C, 2 VHF, 1 NAV-TEX, 1 SSB, 1 AIS

## LIFE -SAVING EQUIPMENT

2x 12 persons inflatable life rafts  
 1x Zodiac RB6 rescue-boat (Solas IMO 47 compliant with 1 Yanmar D27 diesel engine)

## FIRE-FIGHTING SYSTEM CLASS FI-FI

Monitors	2
Water capacity	2 x 1.200 m <sup>3</sup> /hr each
Firefighting pumps	2 x 1.200 m <sup>3</sup> /hr each
Foam system, deluge system	

## MAIN CHARACTERISTICS

Length overall	29,13 m
Beam	10,60 m
Depth main deck midship	4,46 m
Draft aft	6,00 m
Gross tonnage	337
Net tonnage	101

## PERFORMANCE

Bollard pull continous/max	70.66/74.74 tons
Maximum speed	12.6 knots
Economic speed	8.5 knots
Consumption	6,5 t at 8,5 kn per 24 h

## ACCOMMODATION

Officer	2 cabins with 1 bunk
Crew	2 cabins with 2 bunks
Passengers	1 cabin with 2 bunks
Messroom, gallery, stores, sanitary spaces, fully air-conditioned	

## PROPULSION - MACHINERY

Main engines	2 Bergen KRMB9
Cont. output	2 x 2030 kW
Gear boxes	2 MCD Twin-Disc
Azimuth propellers	2 Aquamaster US 3001 • diam.: 2700 mm
Auxiliary generators	2 Caterpillar 3304 BT 100 kVa - 380 V - 50 Hz each

## REGISTRATION

Type	Double Azimuth Stern Driven Offshore Tug
Year built	2003
Builder	Damen Shipyards, Holland
Flag	Germany
Classification	Lloyds Register
IMO number	9280433
Call sign	DNQA

## SPECIAL EQUIPMENT

An electro-hydraulic driven tigger winch is fitted on after deck  
 Tigger winch Pull: 5t • Speed: 18 m/min. • Drum capacity: 30 m of 15 mm wire  
 Stern roler Diam.: 900 mm • Length: 2 m • SWL: 125 t  
 Deck crane Heila: 100 t/m  
 2 dispersant booms Lenght 6,50 m • Flow: 50 - 200 liters per 10,000 m<sup>2</sup>