



ATLANTIC MARINE  
& AVIATION

# Warrior

## Technical Specification



Tug Warrior was designed and built to work in some of the worst seas in the world - the Northern Baltic Sea, the Arctic Ocean and the Barents Sea. She is capable of staying at sea for up to three months at a time. Built in 1964 by Schichay GMBH Bremerhaven (Germ Lloyd +100 A4, K E+), she was re-built and re-engined 1977 (Bureau Veritas +100A4 M E2 Tug + MC E1) .

Specifications PTO



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## **WARRIOR**

### **Dimensions**

LOA ~ 30.53m

Beam ~ 9.4m

Draught ~ 3.9m

### **Registered Tonnage**

206 tonnes gross

61 tonnes net

500 tonnes displacement,  
fully loaded

### **Engine**

Deutz RBV6M 358

1600 BHP/2200 IHP @  
310 RPM

Capable of rotating  
clockwise and counter-  
clockwise, obviating the  
need for a gearbox

### **Steering**

Bridge controlled direct  
reversing, Single fixed  
prop in steering Kort  
nozzle

### **Speed**

12knots unencumbered

### **Fuel Capacity**

98 tonnes in six tanks  
giving a range of 10,000  
miles unencumbered

### **Fuel Consumption**

2.4 tons @ 250 rpm free  
running (10 knots); 6 t  
@ 100% towing.

### **Water**

28 tons in five separate  
tanks

### **Generators**

One Deutz 100hp 73kw

DC genset

One GM 100hp 58kw

DC genset

One Perkins 30kva three  
phase AC genset

One Lister 30kva three  
phase AC genset

One emergency 6 kva  
diesel AC genset

### **Valiant 5m Rib**

40hp Mariner outboard  
engine

capable of 25 knots

Navigation lights

GPS

Colour chart plotter

Depth sounder

VHF radio

First Aid equipment

Flares

### **Towing**

One main tow winch

76 ton brake 24 ton pull

750m x 36mm wire cable



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One Deutz V6 diesel hydrolic power pack for main tow winch operation  
One electrically operated secondary tow winch & capstan, (25 ton pull)

## **Crane**

Grove 9 tonne hydraulic crane  
8 ton @ 2m  
1.5 tonne at full extension(2m)  
Capable of lifting equipment on and off the ship, and moving it around the after deck

## **Fire Protection System.**

Dansk Type 159 fire alarm system with sensors throughout the ship  
Fire Pro remote activated chemical extinguishers fitted in engine room (New)  
CO2 and Dry powder extinguishers fitted throughout the ship.  
Main fire pump in engine room, outlets two on main deck, one in engine room.  
Portable emergency fire pump complete with hoses & nozzles stored on main deck.

## **Electronic Nav Aids**

Raytheon Pathfinder R80 Radar, 48 mile range.  
(New)  
Furuno GP-31 GPS Navigator, linked to chart plotter. (New).  
Krup Type 570 commercial depth sounder, (original).  
Two Icom IC-M505 VHF Transceivers, one bridge mounted, one rib mounted.  
One Simrad HD 52 hand held DSC VHF Radio Transceiver, bridge mounted.  
Navitron Systems Ltd, NT951G Autopilot system.

## **Safety**

Epirb  
Two 12-person life rafts  
Life jackets  
Line throwing equipment  
Flares  
Comprehensive First Aid equipment  
CCTV System covering engine room and aft deck