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## 67.55m Icebreaker



### Listing ID - 613641

**Description** 67.55m Icebreaker

**Date** 1980

**Launched**

**Length** 67.55m

**Beam** 15.3m

**Draft** 4.70m

**Note** 2,482 tons

**Location** Denmark

**Broker** Peter Cookson

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**Price** EUR 4 million

Built in 1980 at the Svendborg Shipyard, Denmark, the vessel has been kept in good operational condition due to the high level of maintenance which has been undertaken by first the Danish Government and then the Royal Danish Navy. Also worth noting is the low frequency of use, this has amounted to only a little over 300 days of active icebreaking during her entire service life. Thorbjørn is a one compartment, diesel electric motor vessel with two propellers, constructed for icebreaking, towing operations and seaway surveying operations (Survey equipment has been removed).

The vessel is equipped with a towing winch and stern notch designed to receive and hold the bow of another ship by the towing line, making it possible to tow a vessel up close through difficult ice conditions. Thorbjørn is equipped with a Wartsila Air Bubbling system for improvement of icebreaking operations which reduces the friction between the hull and ice or snow by hull lubrication improving her icebreaking capabilities. The system is operated from the bridge and has an additional benefit as it can be used to assist as side-thrusters during maneuvering of the Icebreaker.

Parts of the superstructure (steel surfaces - from the main deck and upwards) of Thorbjørn have been treated with zinc in order to prevent corrosion.

Accommodation for 32 persons incl. crew

Flag: Danish (Navy)

Class: DNV Class 1A1 R280 Icebreaker (Laid up status)

Built: Svendborg Shipyard, Denmark 1980

LOA: 67.55m

LBP: 60m

Beam: 15.3m

Draft: 4.70m

DWT: 2482 T

GT: 2164 T

NT: 649 T

Bow thruster fitted

Certified bollard pull: 54 t.

Towing winch, max brake force: 40 t.

Hawser winch, max braking force: 5 t.

Air bubbling system

Main engines: 2 x B&W, Alpha type 12 U28LU each developing 3.180 hp. (total 6360 hp)

2 x B & W Alpha controllable pitch propellers

3 x AUX Cummings KTA1150G

3 x Generators Thrige- Titan 410 kVA, 380V

1x Emergency Generator BUCH diesel, type 6K105. Gen. E.C.C. type BRF250 50KVA

Fuel Oil Capacity 750 m<sup>3</sup>

Freshwater Capacity 107 m<sup>3</sup>

Ballast Water Capacity 815 m<sup>3</sup>

Static Bollard Pull approx. 54 T

Cruising range 23 days, 9000 NM

Trial speed 16.4kn @ 240 RPM

Wartsila Air Bubbling system with 2x 370 bhp Cummings engines

1x ACTA Towing Winch hydraulic operated 40 ton towing winch with automatic operated 2 to. spool winch. Remote control of towing winch from wheel house position

2x ACTA Mooring Capstans hydraulic operated 5 ton mooring capstans

1x ACTA Windlass hydraulic operated 7½ ton windlass

1x SKB Crane hydraulic operated 3.8 ton SWL x 12M telescopic deck crane (make), remote control from portable control box.

Communications

Radio Equipment:

2 ea. S.P. Sailor Compact, VHF RT2047;

1 ea. S.P. Sailor Compact, VHF DSC RM2042  
1 ea. S.P. Sailor Compact, VHF RT2048  
1 ea. S.P. Sailor Compact, HF SSB RE2100  
1 ea. S.P. Sailor Compact, HF SSB DSC WATCHRECEIVER RM2150;  
1 ea. S.P. Sailor Compact, GMDSS ALARM UNIT C2149;  
1 ea. Motorola Radius am 900, MR304B;  
1 ea. Navtex Receiver, SHIPMATE, RS 6100;

#### Radar Systems:

1 ea. Radar X-band; FURUNO, FR 2120;  
1 ea. Radar C-band; FURUNO, FR 2130S;  
2 ea. Radar Remote Displays; FURUNO, RDP 112 M;

#### Direction Finder

1 ea. KODEN, KS-538D;

#### Sonar

1 ea. ELAC, LAZ 5000;  
1 ea. ELAC User interface, DAZ 25;

#### Gyro Compass

1 ea. Gyro; ANSHÜTZ;  
2 ea. Gyro Repeater; LEHMKUHL, NSK 78;  
2 ea. Gyro Repeater ANSHÜTZ, NG001;

#### GPS

1 ea. FURUNO, GP-150;  
1 ea. SHIPMATE, RS 5900;

#### Autopilot

1 ea. Autopilot, Decca Pilot 550, 41G57;

#### Anemometer Display

2 ea. Anemometer Display, Malling;

SABROE Refrigerating plant for cold store

Argonite system (engine room)

TURBULO Bilge water separator type TEF5

DAN-ELEVATOR Pantry and galley lift

LDT 1687 T















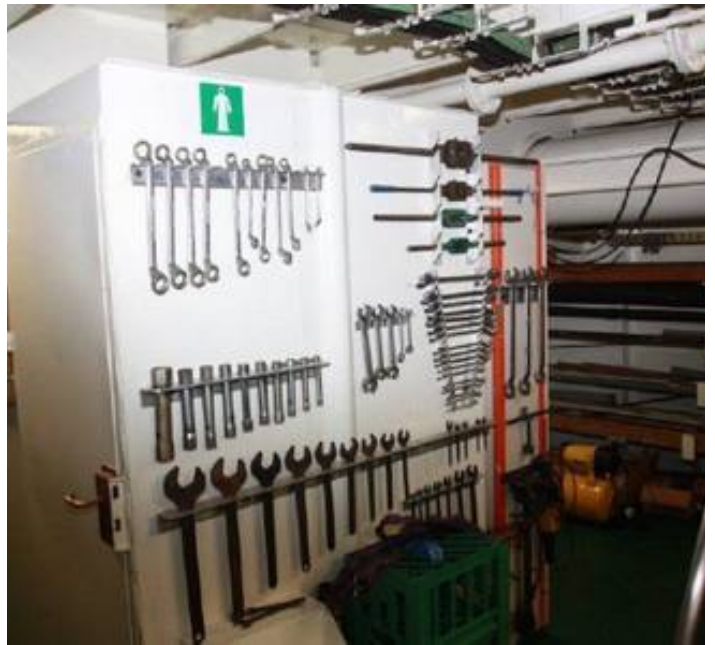










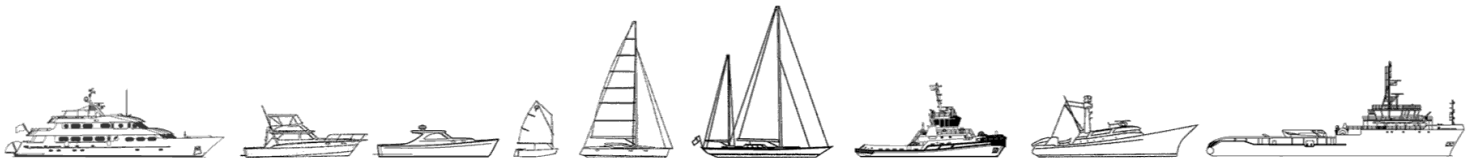








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