

ICEBREAKER YMER

Call sign SDIA
 IMO 750 5346
 MMSI 265 066 000
 Ice class 1A S Ice breaker

Main dimensions

Length o.a 104.70 m
 Beam 23.80 m
 Draught 8.30 m
 Air draught 45.50 m
 Displacement 7,800 t



Icebreaker Ymer, designed as an escort icebreaker for the purpose of handling all possible conditions of ice in the Baltic Sea and Gulf of Bothnia. In the last few years Ymer has been refitted with new towing equipment, has upgraded it's safety equipment and has had an extensive reconditioning of all systems in the engine department. All of this made to extend the life span of the icebreaker another 20 years.

Machinery

Total power 25,000 hp
 Main engines 5x12 cylinder Wärtsilä S.E.M.T. Pielstick 12PC2-2 each 5,000 hp

Main propellers

Total power 16 240 kW/22 000 hp
 Fore 2 x Stromberg GTOUL 180/856 each 3210 kW
 Aft 2 x Stromberg GTOUL 180/856 each 4910 kW
 Rudder 2 pcs

Speed in open water 18 kts - approx 80 m³ HFO/24 hours
 Normal sea speed 12 kts - approx 20 m³ HFO/24 hours

Ice breaking capability of 1.2 m level ice at 3 knots

Auxiliary engines and generators

Diesel generator 4 x Wärtsilä 624 TS each 1000 hp
 Propeller Motor generator 5 x Stromberg GTOUL 135/455 D1
 Emergency generator 1 x Wärtsilä 424 TS 480 hp
 Supply system 690/400/230V - 50Hz

Heeling pumps 3 x Karhula V 110 Z, electric pumps
 Each with a capacity of 13 800 m³/h. The heeling pumps allows the ship to heel from one side to another with a maximum angle of 13° in 45 seconds.

Vessel details

Bollard pull
Continuous forward 185 tonnes.

Towing equipment
Rolls Royce towing winch TW 2500/1000. Pull power 120-140 tonnes.
Break hold 250 tonnes.

Life saving equipment
MOB 1 x Norvik 470 GRP 1
Liferaft 6 x Viking, 25 persons each

Accommodation
Single cabin 30
Double cabin 5
Other Sauna, gym, hospital, dayroom, helicopter pad and conference room.

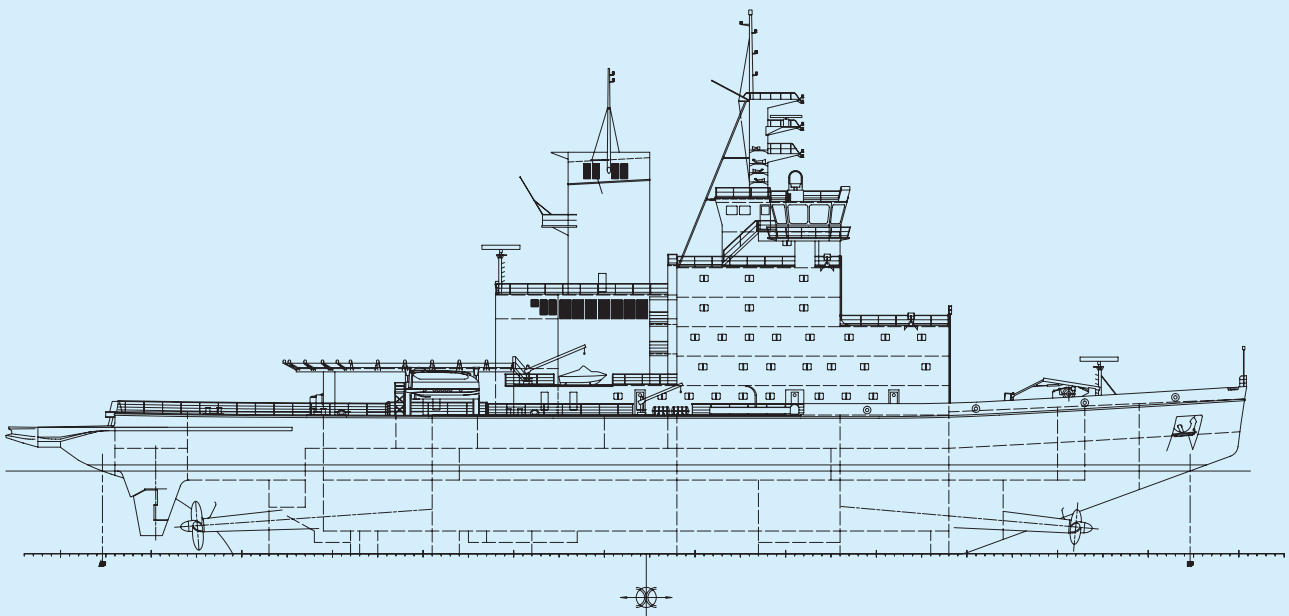
Navigational equipment
GMDSS Sailor
ARPA Selesmar Selux ST-340
ECDIS Consilium 900 V4
Echo sounder Skipper
GPS compass Furuno
Gyro compass Anschüts
Weather station SMHI under way system
AIS SAAB R4
GPS SAAB R4, Furuno GP 150

Tank capacities

Fresh water 289 m³
Heavy fuel oil 1,488 m³
Diesel 771 m³
Luboil 81 m³

Potable water produced
onboard.

Contact the vessel
bridge@ymer.sjofartsverket.se



Building yard OY Wärtsilä AB, Helsinki, Finland in year 1977