

ICEBREAKER ALE

Call sign SBPQ
IMO 7347639
MMSI 265 348 000
Ice class 1AS Icebreaker

Main dimensions

Length o.a 50.80 m
Beam 13.00 m
Draught 5.40 m
Air draught 22.00 m
Displacement 1.540 t



Machinery

Total power 4.750 hp
Main engines 4 x Wärtsilä 824 TS each 1.258 hp

Main propeller

Aft 2 x Strömberg GTCUL 655 B3 each 1.725 kW
Rudder 2 pcs

Speed in open water 12 kts - approx 8,4 m³ MGO/24 hours
Normal seaspeed 8 kts - approx 3,6 m³ MGO/24 hours

Ice breaking capability of 0.6 m level ice at 3 knots

Auxiliary engines and generators

Diesel generator 1 x Volvo Penta D7 139 kW
2 x Volvo Penta D9 each 239 kW
Supply system 240/380 VAC

Air bubble system

The icebreaker is equipped with a system for producing air bubbles along the ship's hull, reducing the friction between the ship's hull and the ice.

Ale is designed as an escort icebreaker, purpose built to operate in Lake Vänern. It's beam and draft are adjusted to the locks in Trollhätte Canal. Ale has over the last few years been upgraded both materially and technically.

Vessel details

Bollard pull
Continuous forward 51 tonnes.

Towing equipment
Norwinch towing winch, 20 tonnes.

Life saving equipment
MOB 1 x Norvik 470
Liferaft 2 x Viking DK, 12 persons each
2 x Unitor TOB liferaft, 25 persons each

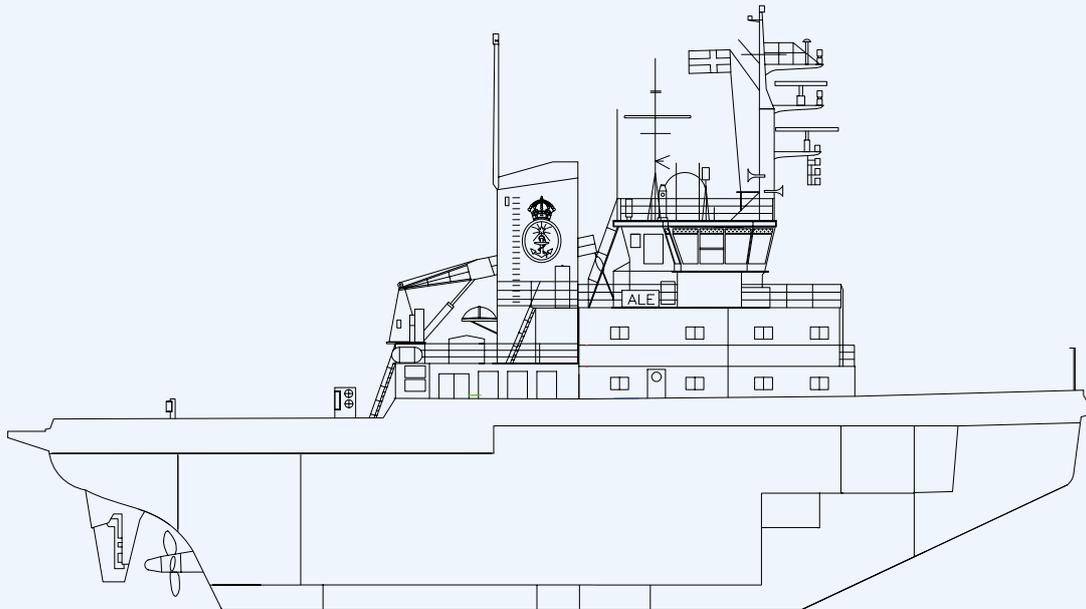
Accommodation
Single cabin 12
Other Sauna, gym, hospital and dayroom.

Navigational equipment
GMDSS Sailor
ARPA Wärtsilä Platinum
ECDIS Adveto
Echo sounder Skipper
Gyro compass Sperry
AIS SAAB
GPS SAAB

Tank capacities

Fresh water 76 m³
Diesel 316 m³
Luboil 5 m³

Contact the vessel
bridge@ale.sjofartsverket.se



Building yard OY Wärtsilä AB, Helsinki, Finland in year 1973