HAVNEBY

# Air-to-water heat pump in enclosure

**YEAR:** 2022
**MODEL:** H-600 (AW)
**APPLICATION:** Air-to-water heat pump
**CAPACITY (HEAT):**
653 kW (11°C ambient, 38/70°C hot water)
**HEAT SOURCE:** Air
**COP:** 3.2
**DEFROST METHOD:** Coldgas

## THE CASE

The district heating company in Havneby, Rømø, has expanded its production facilities with the integration of an electrically driven heat pump. The heat pump was an extension of the existing setup consisting of two wood chip boilers and an oil boiler on Havneby's site, providing heated water to the accumulation tank. As the heat pump is installed in the harbour area where there is risk of flooding during westerly storms, the entire structure with the enclosure, electrical transformer and the evaporators is elevated approximately 100 cm above the ground.

## THE HEAT PUMP

The heat pump is installed in a Fenagy premium sound enclosure outside the existing buildings. It is equipped with the latest Fenagy ejector technology, FenEject, and controlled by the Fenagy PLC with algorithms for capacity control, evaporator control and defrost.

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