

CHP 50.2 TECHNICAL DATA*:

- Operating temperature:
-30 °C to +40 °C
- Maximum heat output:
50.2 kW
- Cooling capacity: 38 kW
- Power consumption:
approx. 11–14 kW
- Air volume: 10,500 m³
- Grid connection: 32A,
400V CEE plug
- Refrigerant: R32
- Control via dashboard
on PC/Phone/Tablet and
digital display on the heat
pump. Weekly cycle etc.

*Subject to climatic and building-
related conditions

ADVANTAGES

- Highly cost-saving
compared to alternative
construction heating
- Emission-free with lowest
energy consumption
- Meets all requirements
for emission-free
construction heating and
permanent heating
- Market-leading efficiency:
converts 11 kW into up to
50.2 kW
- **Heating, cooling and
drying in one unit**
- Low load on construction
power supply (22A during
operation)
- Market-leading
communication and
dashboard overview

MARKET NEWS

THE HEAT PUMP THAT HEATS,
COOLS AND CLIMATE CONTROLS

INTRODUCTION OF THE CHP 50.2

Emission Free Climate HeatPump



**FOR
CONSTRUCTION
SITE AND
PERMANENT
INSTALLATION**

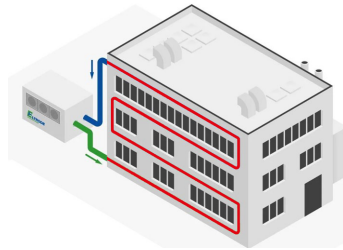
How does a heat pump work?

Eltrode's heat pumps are digitally controlled and emission-free air-to-air heat pumps. The most efficient heat source for heating and drying buildings.

HOW IT WORKS

Warm, clean and dry air from the heat pump is sent into the lower part of the building ("green hose"). Air circulates and is drawn back as return air via the "blue hose". Continuous circulation removes moist air and replaces it with warm, dry air 24/7 at 10,500 m³ per hour per heat pump. Recovering already heated air provides extremely effective heating and drying. The heat pump is placed outside the building, meaning no indoor noise – a strong HSE benefit.

- Easy installation
- Good indoor climate
- Exceptional construction drying
- No indoor noise



Why do I save electricity using a heat pump?

Example at € 0.177/kWh (≈ NOK 2 per kWh incl. grid fees etc.)

If electricity prices increase, savings scale proportionally.

Varmepumpe CHP50.2
Bruker: 1 kWh strøm
Gir: 3–4 kWh varme
Koster: 20.160 kr pr mnd

48.960 kr mindre strømutfgifter hver måned gir reduserte utgifter på opptil **70%**

Varmefifte
Bruker: 1 kWh strøm
Gir: 1 kWh varme
Koster: 69.120 kr pr mnd

"den mest lønnsomme byggvarmen noensinne"

Varmepumpe gir mer varme for mindre strøm – spar både penger og miljøet.

RETURN ON ENERGY USED

The heat pump uses 1 kWh electricity per hour but delivers 3–4 kWh equivalent heat output.

Using standard electric heaters would require 3–4 units for the same output, resulting in 3–4 times higher electricity consumption.

The heat pump is controlled via 4G and digital dashboard, allowing temperature adjustment as needed – further reducing consumption.

Eltrode Heat Pump as Permanent Heat Source

Ideal for commercial buildings, warehouses, sports halls, workshops, shipyards and other large open buildings.

100% emission-free heat source.

Filters moisture and dust.

Self-cleaning

BIG SAVINGS

What can you save per day/month with a heat pump compared to regular electric heating?

Potential savings are calculated based on the added power increase when using Eltrode heat pumps: Here are examples at different electricity prices:

Heat Pump Energy Gain and Cost Savings

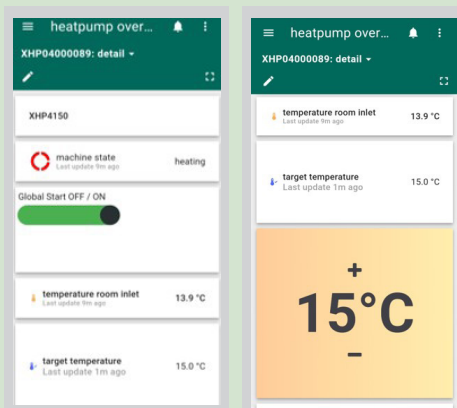
Heat pump principle: 14 kW electricity → 44 kW heat output
Energy gain from environment: 30 kW

Electricity price (EUR/kWh)	Energy gain from heat pump	Savings per 24 hours	Savings per month
€ 2.00	30 kW	€ 129	€ 3,871
€ 3.00	30 kW	€ 194	€ 5,807
€ 4.00	30 kW	€ 258	€ 7,743
€ 5.00	30 kW	€ 323	€ 9,678
€ 6.00	30 kW	€ 387	€ 11,614
€ 7.00	30 kW	€ 452	€ 13,550
€ 8.00	30 kW	€ 516	€ 15,485

HEAT PUMP CONTROL

Delivered with remote dashboard control.

- Individual project login
- Overview of all units
- 4G communication
- 24/7 remote temperature control
- Fault alerts (construction power etc.)



ELTRODE HOSE SET

Super enkel montering

- Developed from aviation industry technology
- 3-layer insulation for minimal heat loss
- Extremely durable
- Flexible (bend and stretch)
- Quick connectors and zipper connection
- Split from 505 mm to 3 × 300 mm



ABOUT ELTRODE AS

Norwegian-owned company established in 2016.

Most extensive documented experience with portable heat pumps in Scandinavia.

Specialized in air-to-air heat pumps adapted to Nordic conditions.

Also licensed production of lighting, cable systems, construction power and heat pumps.

Own service company ensuring professional follow-up and maintenance.



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