

ENGINEERING  
TOMORROW

*Danfoss*

Data sheet

# Micro Plate Heat Exchanger **For increased heat pump business**

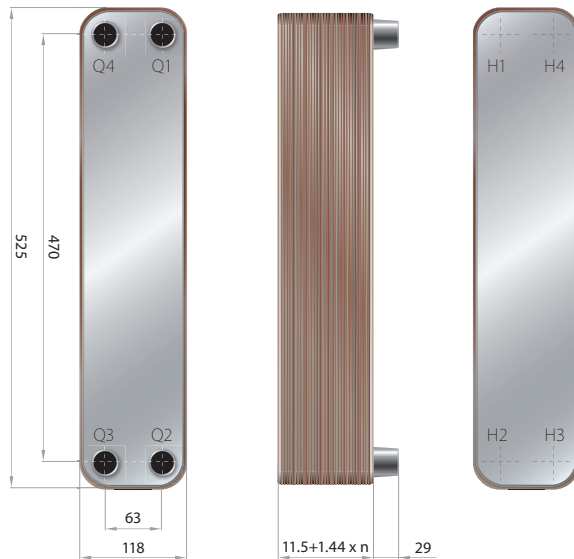
H62-C Heat Pump Condenser



**40%**

charge compared with a traditional BPHE. The ideal solution to meet the world's climate and energy aspirations.

# H62-C Heat Pump Condenser Micro Plate Heat Exchanger



**Introduction** The H62-C is a condenser optimised for R407C for use in high-efficiency heat pumps with capacities of 4-40 kW. The heat exchanger features innovative Micro Plate technology that improves heat transfer and reduces the amount of material used. To meet demands for higher COPs in heat pumps, the H62-C is designed to work efficiently with close temperature approaches. The low hold-up volume reduces the refrigerant charge and offers valuable savings.

- Key features**
- Minimal hold up volume: Less refrigerant charge
  - High heat transfer: For a more efficient heat pump
  - Smaller footprint: Enabling more compact heat pumps
  - Reduced CO<sub>2</sub> footprint: Environmentally friendly with high heat transfer and minimal refrigerant charge.

**Technical data**  
n = number of plates

Min. working temperature: -196 °C  
 Max. working temperature: 200 °C  
 Max. working pressure: 30 bar  
 Hold up volume Q1-Q2/Q3-Q4 (l): 0.066xn/2 / 0.066x(n-2)/2  
 Weight (kg): 2.91+0.145n

**Standard materials**

Cover plates: AISI 304L  
 Connections: AISI 304L  
 Plates: AISI 316L  
 Brazing filler: Pure copper  
 Other material combinations are available on request. Please contact your Danfoss sales representative for more information.

**Standard connections**

The standard connections below are optimised for this product in condenser duties in heat pump systems. For other connections, please contact your Danfoss representative.

Q3 (Refrigerant outlet): soldering 1/4" or 3/8" or 5/8"  
 Q4 (Refrigerant inlet): soldering 1/2" or 7/8"  
 Q1-Q2 (Water side): External threaded G 1 1/4"

**Third part approvals**

Europe: Pressure Equipment Directive (PED). America: Underwriters Laboratory Inc (UL). The third party approvals stated are standard for all our products. For details of other existing approvals or to discuss how we can meet your local needs, please contact your Danfoss representative.

**Accessories – stud bolts**

Stud bolts on front and/or back plates for mounting support are available upon request. Please contact your Danfoss sales representative for further information.

**Corresponding evaporator**

A corresponding MPHE for evaporator duties (H62-E) is also available, fully tested and ready for heat pump applications

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