H30L-C Heat Pump Condenser
For increased heat pump business

Innovative | Optimised | Low hold-up volume | High heat transfer | Compact

12% Weight Reduction
Compared with traditional BPHE. This new compact condenser is the ideal solution to help you meet the world’s climate and energy aspirations.

www.danfoss.com
H30L-C

INTRODUCTION
Condenser optimised for R410A in high efficiency residential heat pumps with capacities between 3-25 kW. The H30-C is the ideal choice in heat pump designs where space is limited and high efficiency is required.

The H30-C is designed to work efficiently with close temperature approaches to meet demands for higher COPs in heat pumps. 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 CO₂ footprint: Environmentally friendly with high heat transfer and minimal refrigerant charge.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>n = NUMBER OF PLATES</th>
<th>Min. working temperature: -196 °C (-320 °F)</th>
<th>Max. working temperature: 200 °C (390 °F)</th>
<th>Max. working pressure: 48 bar (696 psi)</th>
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<tr>
<td>n = NUMBER OF PLATES</td>
<td>Hold up volume (L): Q1-Q2/Q3-Q4: 0.027xn/2 / 0.027x(n-2)/2</td>
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<td>(ft³): Q1-Q2/Q3-Q4: 0.001xn/2 / 0.001x(n-2)/2</td>
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<td>Weight: 0.89 kg + 0.073xn (1.96lb + 0.16 x n)</td>
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<td>Max. no. of plates: 150</td>
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STANDARD MATERIALS
Cover plates: AISI 304 Plate: AISI 316
Connections: AISI 304 Brazing filler: Pure copper

Other material combinations are available on request. Please contact your Danfoss sales representative for more information.

STANDARD CONNECTIONS
Standard connections as per below are optimised for this product as condenser in heat pump system. For other connections, please contact your Danfoss representative.

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

THIRD-PARTY 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.

ACCESSIBILITY
We will help you set up a logistic solution that will meet your needs.