C62-E Evaporator
For increased chiller profits

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

20% reduction refrigerant charge compared to traditional BPHE. This new evaporator is the ideal solution to help you meet the world’s climate and energy aspirations.

Save $35 per heat exchanger on refrigerant because the C62-E’s low hold-up volume.

www.danfoss.com
C62-E
Micro Plate Heat Exchanger

INTRODUCTION
The C62-E is an evaporator optimised for R407C for use in high-efficiency chillers with capacities of 20-90 kW/5-25 Rt. The heat exchanger features innovative Micro Plate technology that improves heat transfer and reduces the amount of material used.

To meet demands for higher seasonal efficiency, the C62-E is designed to work efficiently and increase comfort in modern buildings without increasing the carbon footprint. Helping chillers perform more efficiently, it reduces both energy costs and environmental impact.

The low hold-up volume reduces the system refrigerant charge and offers valuable savings.

KEY FEATURES
• Minimal hold-up volume: Less refrigerant charge.
• Reduced pressure drop: For more efficient chillers.
• Smaller footprint: Enabling more compact chillers.
• Reduced CO\textsubscript{2} footprint: Environmentally friendly with high heat transfer and minimal refrigerant charge.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. working temperature</td>
<td>-196°C/-320°F</td>
</tr>
<tr>
<td>Max. working temperature</td>
<td>200°C/380°F</td>
</tr>
<tr>
<td>Max. working pressure</td>
<td>30 bar/435 psi</td>
</tr>
<tr>
<td>Hold-up volume Q1-Q2/Q3-Q4 (l)</td>
<td>0.081×n/2 / 0.081×(n-2)/2</td>
</tr>
<tr>
<td>(ft\textsuperscript{3}):</td>
<td>0.003×n/2 / 0.003×(n-2)/2</td>
</tr>
<tr>
<td>Weight</td>
<td>2.92kg+0.145×n (6.45lb+0.32×n)</td>
</tr>
<tr>
<td>Max. no. of plates</td>
<td>200</td>
</tr>
</tbody>
</table>

STANDARD MATERIALS
Cover plates: AISI 304
Connections: AISI 304
Brazing filler: Pure copper

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

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

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 cover plates for mounting support are available upon request. Contact your Danfoss sales representative for further information.

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

CORRESPONDING CONDENSERS
A corresponding Micro Plate heat exchanger for condenser duties (C62-C) is also available.