MicroChannel Heat Exchanger
For increased savings
D2000-C MCHE Condenser

60% Lower weight than a copper fin-and-tube coil for reduced shipping costs and easier handling
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D2000-C Condenser coil
MicroChannel Heat Exchanger

Introduction
This product is ideal for use in many different applications, such as chillers and commercial split/roof tops. MCHEs have an ingeniously simple all-aluminum design that is not only lightweight but also prevents galvanic corrosion. The refrigerant-carrying tubes are formed to optimize heat transfer, enabling the production of more compact, but equally effective, cooling solutions. The smart louvered fin design maximizes surface contact, reducing the air-side pressure loss, improving efficiency and reducing noise levels.

Key features
- Reduce refrigerant system charge
- Cost - Less sensitive to fluctuations in raw material prices
- Improve efficiency – More compact/better COP/increased capacity
- Better corrosion characteristics due to all-aluminum design

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>Coil length</th>
<th>Core depth</th>
<th>Fin pitch</th>
<th>Inlet OD diameter</th>
<th>Outlet ID diameter</th>
<th>Min/Max. working temperature</th>
<th>Max. working pressure</th>
<th>Internal volume</th>
<th>Coil weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2000-C</td>
<td>2000 (mm)</td>
<td>25.4 (mm)</td>
<td>1.1 (mm)</td>
<td>25.4 (mm)</td>
<td>22.4 (mm)</td>
<td>-30 °C / 121 °C</td>
<td>45 (bar) / 650 (psi)</td>
<td>5440 (cm³)</td>
<td>26.4 (kg)</td>
</tr>
</tbody>
</table>

Material
Tube: AA9153
Fins: FA6815 clad with AA4343
Manifold: AA3003 clad with AA4045
Inlet/Outlet tubes: Cu
Side plate: AA3003

Mounting
Aluminum MCHEs expand and contract when exposed to big temperature changes. Installation supports/brackets must allow the MCHE to move in two dimensions.

Standard connections
The product is equipped with standard copper pipe connections for easy mounting. Never bend or stress the inlet/outlet connections during mounting, and design installations to avoid vibration in operation.

Bending
MicroChannel Heat Exchangers can easily be bent to fit in any application. Ask your local Danfoss Sales representative for advice.

Availability
Our local stocking and distribution network allows standard MCHEs to be delivered globally with short delivery times. Contact your local Danfoss sales representative for the standard lead times in your region.

Third-party approvals
PED Cat II
UL 207

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