



MicroChannel Heat Exchanger

D2000-C MCHE Condenser For increased savings

Less refrigerant | More efficient | Price stability | Corrosion-resistant



60%

Lower weight

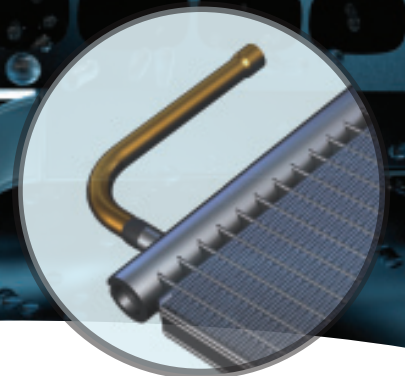
Than a copper fin-and-tube coil
for reduced shipping costs and
easier handling



50%

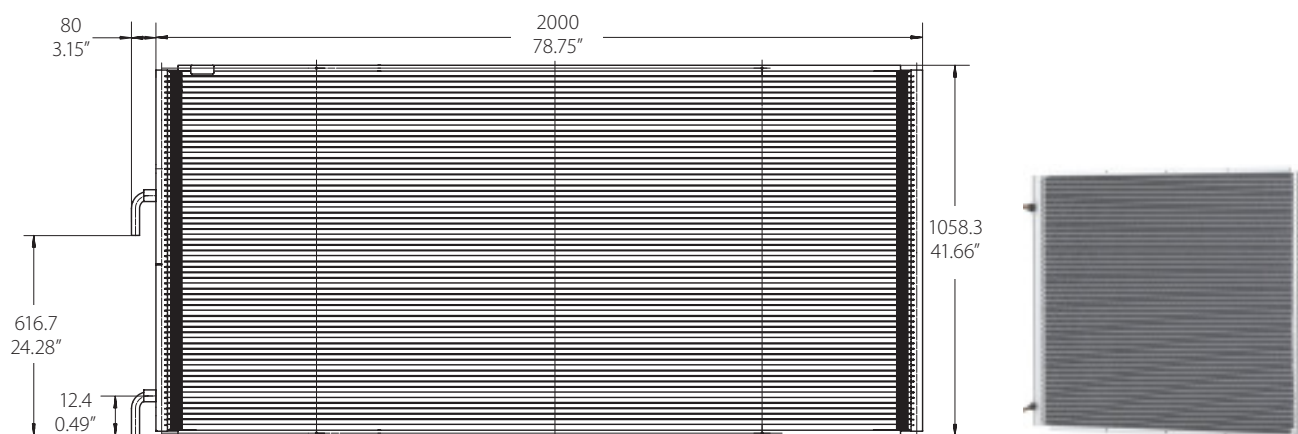
Lower refrigerant charge

Significantly reduces refrigerant
purchase and ownership
costs



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-aluminium design that is not only lightweight but also prevents galvanic corrosion. The refrigerant-carrying tubes are formed to optimise heat transfer, enabling the production of more compact, but equally effective, cooling solutions. The smart louvred fin design maximises 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-aluminium design

TECHNICAL DATA

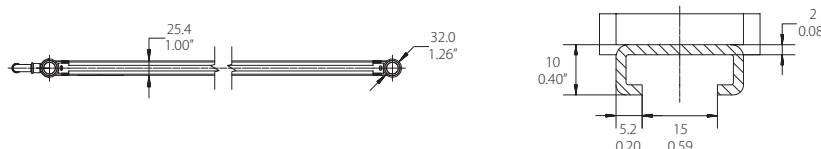
Model:	Coil length:	Coil height:	Core depth:	Fin pitch:	Inlet ID diameter:	Outlet ID diameter:	Min/Max. working temperature:	Max. working pressure:	Internal volume:	Coil weight:
D2000-C	2000 (mm) 78.7 (in)	1058 (mm) 41.6 (in)	25.4 (mm) 1.0 (in)	1.1 (mm) 23 (FPI)	22.4 (mm) 0.88 (in)	22.4 (mm) 0.88 (in)	-40 °C / 125 °C -40 °F / 257 °F	45 (bar) 650 (psi)	5616 (cm ³) 342.7 (in ³)	25.0 (kg) 55.12 (lb)

MATERIAL

Tube: HH9153
Fins: AA3003
Manifold: AA3003
Inlet/Outlet tubes: Cu
Mounting bar: AA3003

MOUNTING BARS

Aluminium MCHEs expand and contract when exposed to big temperature changes. Installation supports/brackets must allow the MCHC 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. See the Application guidelines and the Bending chapter in the MCHC installation manual for more information.

AVAILABILITY

Our local stocking and distribution network allows standard MCHCs 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

TECHNICAL SUPPORT

Ask your local Danfoss Sales representative for support. (www.danfoss.com/contact/sales_and_services/)

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