



# H62L-E Heat pump Evaporator For increased heat pump business

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

**Save \$35**

**Per heat exchanger**

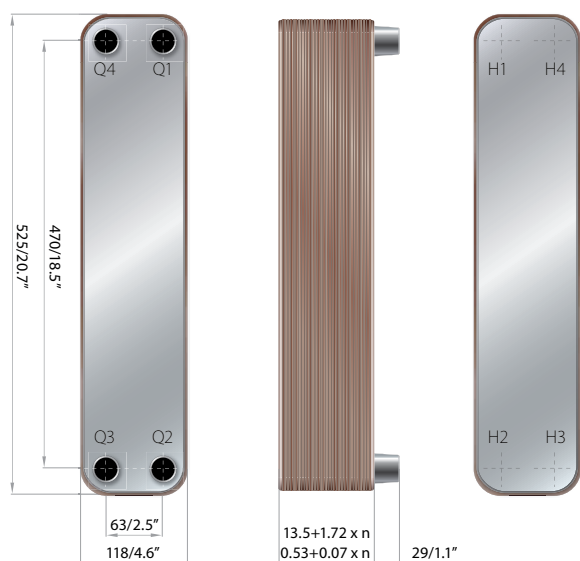
On refrigerant because the H62L-E's low hold-up volume.

**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.

# H62L-E



## INTRODUCTION

The H62L-E is an evaporator optimised for R410A for use in high-efficiency ground source (brine/water) heat pumps with capacities of 3-30 kW (10-102 kBTU/hr). 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 H62L-E is designed to work efficiently with close temperature approaches, while a low pressure drop on the brine side reduces the pump power and keeps the overall COP high.

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

## KEY FEATURES

- Minimal hold up volume: Less refrigerant charge
- Reduced pressure drop: 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 (-320 °F)  
 Max. working temperature: 200 °C (390 °F)  
 Max. working pressure: 45 bar (650 psi)  
 Hold up volume (l): Q1-Q2/ Q3-Q4 (l):  $0.081 \times n / 2$  /  $0.09 \times (n-2) / 2$   
 (ft<sup>3</sup>): Q1-Q2/ Q3-Q4  $0.003 \times n / 2$  /  $0.003 \times (n-2) / 2$   
 Weight: 3.35 kg +  $0.145 \times n$  (7.40 lb +  $0.32 \times n$ )

## STANDARD MATERIALS

Cover plates: AISI 304L  
 Connections: AISI 304L  
 Plates: AISI 316L  
 Brazing filler: Pure copper  
 Other material combinations can be provided upon request. Contact Danfoss sales representative for more information.

## STANDARD CONNECTIONS

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

Q3 (Refrigerant inlet): soldering 1/2" or 5/8"  
 Q4 (Refrigerant outlet): soldering 3/4" or 7/8" or 1 3/8"  
 Q1-Q2 (Brine 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 plates for mounting support are available upon request. Contact 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 MPHE for condenser duties (H62L-C) is also available, fully tested and ready for heat pump applications.

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequent changes being necessary in specifications already agreed. All trademarks in this material are the property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.