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.

www.danfoss.com
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 CO2 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×n/2 / 0.09×(n-2)/2
  (ft³): Q1-Q2/ Q3-Q4 0.003×n/2 / 0.003×(n-2)/2
- Weight: 3.35 kg+0.145×n (7.40lb+0.32×n)

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

STANDARD CONNECTIONS
- 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)

ACCESSORIES
- 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.

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