



EnFusion™ B3-052 brazed plate heat exchanger BPHE

Introduction

B3-052 EnFusion™ brazed plate heat exchanger BPHE is the ideal choice for chillers, heat pumps, economizers, desuperheaters and can be used for numerous other applications. The heat exchanger is designed to combine high thermal efficiency with energy savings.
Capacity: 10-60 kW

Features

- Compact design
- High efficiency
- Flexible in size
- Connection in solder or threaded
- Flexible connection programme
- 100 % inspected

Approvals

- CE₀₀₆₂ certificate according (PED) 97/23/EC
- UL
- ISO 9000 1: 2000



Product Options

- Q Distributor
- Ni Nickel Brazed
- A Adapter/Temperature Monitoring
- BB Back to Back
- HP High Pressure

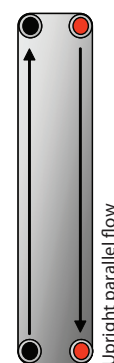
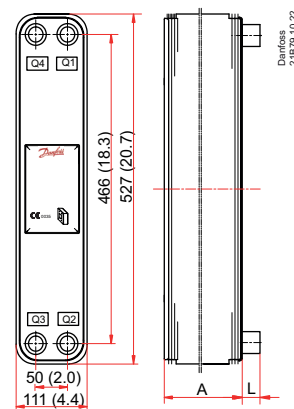
Material Specification

The standard plate material is stainless steel AISI 316L.

For other material (SMO 254) please contact your local sales organization.

Dimensional Data

Flat front cover plate



Number of plates	A (mm)	Weight (kg)	Channel volume (L) Q1 Q2 side/ Q3 Q4 side	Heat transfer area (m ²)
n	9 + 2.4n	1.8 + 0.23n	0.094 × n/2 / 0.094 × (n-2)/2	(n - 2) 0.050

Technical Data

Design pressure	30 bar (A type)
	45 bar (B type)
Testing pressure	45 bar (A type)
	67.5 bar (B type)

Design temperature	-196 ~ + 200°C
Plate type	H, L, M
Heat load	10-60 kW
Number of max plates	150

Connection Type	Connection Size (inch)	Name in factory	Factory Code	Max External Diameter (mm)	External Diameter (Upper end) (mm)	External Diameter (Lower end) (mm)	Internal Diameter (mm)	Length (mm)	Q1	Q2	Q3	Q4	H1	H2	H3	H4
BSP-male	G1/2	L1/2	J304L-018	24	G1/2	24	12	29	X	X	X	X	X	X	X	X
	G3/4	L3/4	J304L-019	26,5	G3/4	26,5	16	29	X	X	X	X	X	X	X	X
	G1	L1	J304L-021	33,5	G1	33,5	23	29	X	X	X	X	X	X	X	X
	G1 1/4	L1"1/4A	J304L-023	42	G1"1/4	42	30	29	X	X			X	X		
BSP-female	G1/2	N1/2	J304L-025	27	27	27	G1/2	29	X	X	X	X	X	X	X	X
	G3/4	N3/4	J304L-028	33	33	33	G3/4	29	X	X	X	X	X	X	X	X
	G1	N1	J304L-029	40	40	40	G1	29	X	X	X	X	X	X	X	X
DIN-male	R3/4	L3/4B	J304L-030	26,5	R3/4	26,5	16	29	X	X	X	X	X	X	X	X
	R1	L1A	J304L-031	33,5	R1	33,5	23	29	X	X	X	X	X	X	X	X
	R1 1/4	L1"1/4C	J304L-033	42	R1"1/4	42	30	29	X	X			X	X		
DIN-female	R1/2	N1/2C	J304L-035	27	27	27	R1/2	29	X	X	X	X	X	X	X	X
	R3/4	N3/4C	J304L-043	30	30	30	R3/4	29	X	X	X	X	X	X	X	X
	R3/4	N3/4G	J304L-143	33	33	33	R3/4	29	X	X	X	X	X	X	X	X
	R1	N1B	J304L-109	40	40	40	R1	29	X	X	X	X	X	X	X	X
NPT	3/4	L3/4C	J304L-037	26,5	NPT3/4	26,5	16	29	X	X	X	X	X	X	X	X
	1	L1B	J304L-038	33,5	NPT1	33,5	23	29	X	X	X	X	X	X	X	X
	1 1/4	L1"1/4F	J304L-137	42	NPT1"1/4	42	30	29	X	X			X	X		
FPT	1/4	NNPT1/4	J304L-108	20	20	20	NNPT1/4	29	X	X	X	X	X	X	X	X
	1/2	NNPT1/2	J304L-103	27	27	27	NPT1/2	25	X	X	X	X	X	X	X	X
	3/4	N3/4A	J304L-041	30	30	30	NPT3/4	29	X	X	X	X	X	X	X	X
	1	N1C	J304L-124	40	40	40	NPT1	29	X	X	X	X	X	X	X	X
SWT	1/4	H1/4"	J304L-052	14,5	11	14,5	6,5	29	X	X	X	X	X	X	X	X
	3/8	H3/8	J304L-001	20	14	20	9,8	29	X	X	X	X	X	X	X	X
	1/2	H1/2	J304L-002	20	17	20	12,8	29	X	X	X	X	X	X	X	X
	5/8	H5/8	J304L-003	24	20	24	16,2	29	X	X	X	X	X	X	X	X
	3/4	H3/4A	J304L-058	24	24	24	19,2	29	X	X	X	X	X	X	X	X
	7/8	H7/8	J304L-006	31	28	31	22,3	29	X	X	X	X	X	X	X	X
	1	H1B	J304L-188	31	31	31	25,1	29	X	X	X	X	X	X	X	X
	1 1/8	H1"1/8	J304L-010	33	33	33	28,7	29	X	X	X	X	X	X	X	X
Hose Barb	1/2	T1/2	J304L-230	22	18	22	12,8	29	X	X	X	X	X	X	X	X
	5/8	T5/8	J304L-264	20	14	20	11	40	X	X	X	X	X	X	X	X
	1	T1	J304L-227	27	25,5	27	16,2	29	X	X	X	X	X	X	X	X
	1 1/4	T1"1/4	J304L-228	33	31,5	33	23	29	X	X			X	X		
SAE O-Ring	1	1 5/16-12UN	J304L-236	41	41	40	1 5/16-12UN	29	X	X	X	X	X	X	X	X
37° Flare	3/4	1 1/16-12UN	J304L-232	1 1/16-12UN	1 1/16-12UN	24	16,2	29	X	X	X	X	X	X	X	X
	1	1 5/16-12UN	J304L-233	1 5/16-12UN	1 5/16-12UN	30,3	22,3	29	X	X	X	X	X	X	X	X

Note: The list above does not include all connections available, but part of connections in use

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