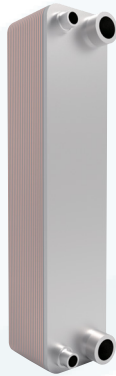


Braze Plate Heat Exchangers



BPHX - S

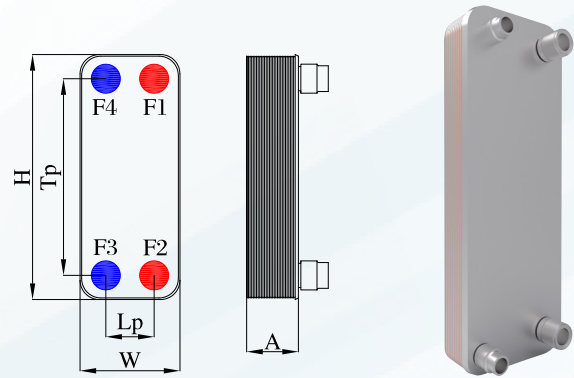
Body Material: Stainless Steel / Solder=Copper
 Port material: Copper / solder connections
 Max plates = 120
 Operation Temperature = -196°C/+225°C
 Operation pressure = 30/50bar
 Certificates: CE/PED declaration

RECOMMENDED APPLICATIONS WITH DIFFERENT MODELS

	S6	S11A	S12B	S14B	S20	S20B	S40A	S60	S60B
550mm									
450mm									
350mm									
250mm									
150mm									
50mm									
	54x119	76x154	77x192	77x213	75x317	76x318	118x332	120x527	120x527[mm]

INTRODUCTION S40A

SANHUA S40A is widely used as condenser or evaporator in air-cooled chillers (or heat pumps) with capacity up to 50kw. Its high reliable structural design makes it suitable for high-pressure refrigerants such as R410A and R32. The plate adopts optimized asymmetric fishbone design and innovative distributor design, which has high heat transfer efficiency and reduces water side pressure drop. The lower hold-up volume will help to reduce the refrigerant charge.



Size Code	mm	IN
H	332	13.07
W	118	4.65
Tp	279 (F1F2)	10.98
	286 (F3F4)	11.26
Lp	68 (F1F4)	2.68
	75 (F2F3)	2.95
A	11+1.55N	0.433+0.061N

TECHNICAL DATA (N=NUMBER OF PLATES)

Max. no. of plates	120
Max flow(m ³ /h)	8.8
Max. working pressure(MPa)	5.0
Working temperature(°C)	-196/+225
Volume per channel (L)	0.0486(F1F2)/0.0422(F3F4)
Weight w/o connection(kg)	1.26+0.106N
Flow Direction	Parallel flow
Plate	SUS 316L/SUS 304
Connection	SUS 304
Solder	Copper

STANDARD CONNECTIONS

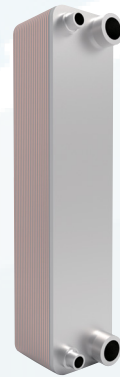
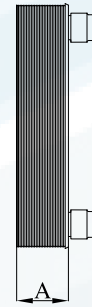
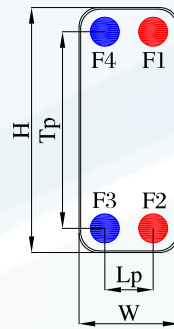
F3-F4 Refrigerant side	solder: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8"
F1-F2 Water side	thread: 1/4", 3/8", 1/2", 5/8", 3/4"

Note: The BPHE is used as an evaporator, F3/F4 is the refrigerant inlet/outlet.



INTRODUCTION S60

SANHUA S60 is widely used in chillers, heat pumps and IT cooling as evaporator or condenser. It is also used as economizer or oil cooler for screw chillers. The optimized plate technology can reduce the water side pressure drop and provide efficient heat transfer performance at the same design temperature.



Size Code	mm	IN
H	527	20.75
W	120	4.72
Tp	470	18.5
Lp	63	2.48
A	9+2.3N	0.354+0.091N

TECHNICAL DATA (N=NUMBER OF PLATES)

Max. no. of plates	120
Max flow(m ³ /h)	17
Max. working pressure(MPa)	3.0/5.0 (optional)
Working temperature(°C)	-196/+225
Volume per channel (L)	0.11/0.11
Weight w/o connection(kg)	2.6+0.18*N
Flow Direction	Parallel flow
Plate	SUS 316L/SUS 304
Connection	SUS 304
Solder	Copper

STANDARD CONNECTIONS

F3-F4 Refrigerant side	solder, up to 1"3/8
F1-F2 Water side	thread, up to 1"1/4

Note: The BPHE is used as an evaporator, F3/F4 is the refrigerant inlet/outlet.

