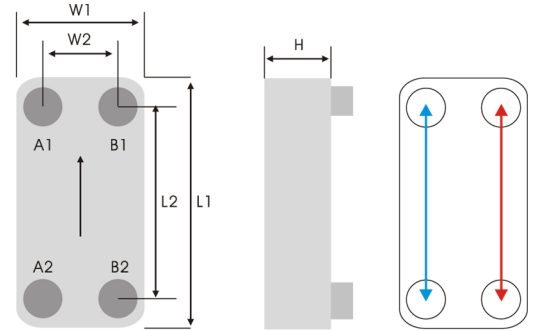


RR Series - High Heat Transfer Performance Brazed Plate Heat Exchanger

The RR series represents the upgrade version of the KR series, and it is specially designed for R410A system, the heat transfer efficiency is 10 % more than the KR series. Also, RR series is perfectly suitable for those applications where the pressure drop is not the main concern.



Brazing Material	Copper			
	Copper		Copper (Extra Strength)	
Model	RR-050	RR-095	RR-051	RR-096
	(A1,A2/B1,B2)			
Max. Working Pressure (bar)	30/30	30/30	45/30	45/30
Min. Test Pressure (bar)	43/43	43/43	65/43	65/43
Max. Working Temperature (°C)	200°C			



Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H Thickness (mm)	Weight (kg)	Heat Transfer Area/ plate (m ²)	Total Heat Transfer Area (m ²)	Volume/ Channel (liter)	Total Volume (liter)
RR-050	306	250	106	50	10.0+1.80*N	1.38+0.089*N	0.0255	(N-2)*0.0255	0.038	(N-1)*0.038
RR-095	522	466	106	50	10.0+1.85*N	2.98+0.154*N	0.0475	(N-2)*0.0475	0.076	(N-1)*0.076

Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H Thickness (mm)	Weight (kg)	Heat Transfer Area/ plate (m ²)	Total Heat Transfer Area (m ²)	Volume/ Channel (liter)	Total Volume (liter)
RR-051	306	250	106	50	12.0+1.80*N	2.32+0.089*N	0.0255	(N-2)*0.0255	0.038	(N-1)*0.038
RR-096	522	466	106	50	10.0+1.85*N	3.07+0.154*N	0.0475	(N-2)*0.0475	0.076	(N-1)*0.076

N: number of plates

R410A vs. Water Condenser

Based on ARI -450 Standard

RT	kW	BTU/H	RR-051	RR-096
1.0	3.52	12000	R051x10	R096Mx6
2.0	7.03	24000	R051x16	R096Mx10
2.5	8.79	30000	R051x20	R096Mx12
3.0	10.55	36000	R051x24	R096Mx14
4.0	14.06	48000	R051x30	R096Mx18
5.0	17.58	60000	R051x38	R096Mx24
7.5	26.37	90000	R051x56	R096Mx34
10.0	35.16	120000	R051x74	R096Mx46
12.5	43.95	150000		R096Mx58
15.0	52.74	180000		R096Mx72
20.0	70.32	240000		R096Mx100

R410A vs. Water Evaporator

Based on ARI -480 Standard

RT	kW	BTU/H	RR-051	RR-096
1.0	3.52	12000	R051x10	R096Mx6
2.0	7.03	24000	R051x18	R096Mx10
2.5	8.79	30000	R051x20	R096Mx12
3.0	10.55	36000	R051x24	R096Mx14
4.0	14.06	48000	R051x32	R096Mx20
5.0	17.58	60000	R051x40	R096Mx24
7.5	26.37	90000	R051x62	R096Mx36
10.0	35.16	120000	R051x90	R096Mx48
12.5	43.95	150000		R096Mx62
15.0	52.74	180000		R096Mx76
20.0	70.32	240000		R096Mx108

Note: The above information is for reference only; the data will be different under various working conditions and specifications.

