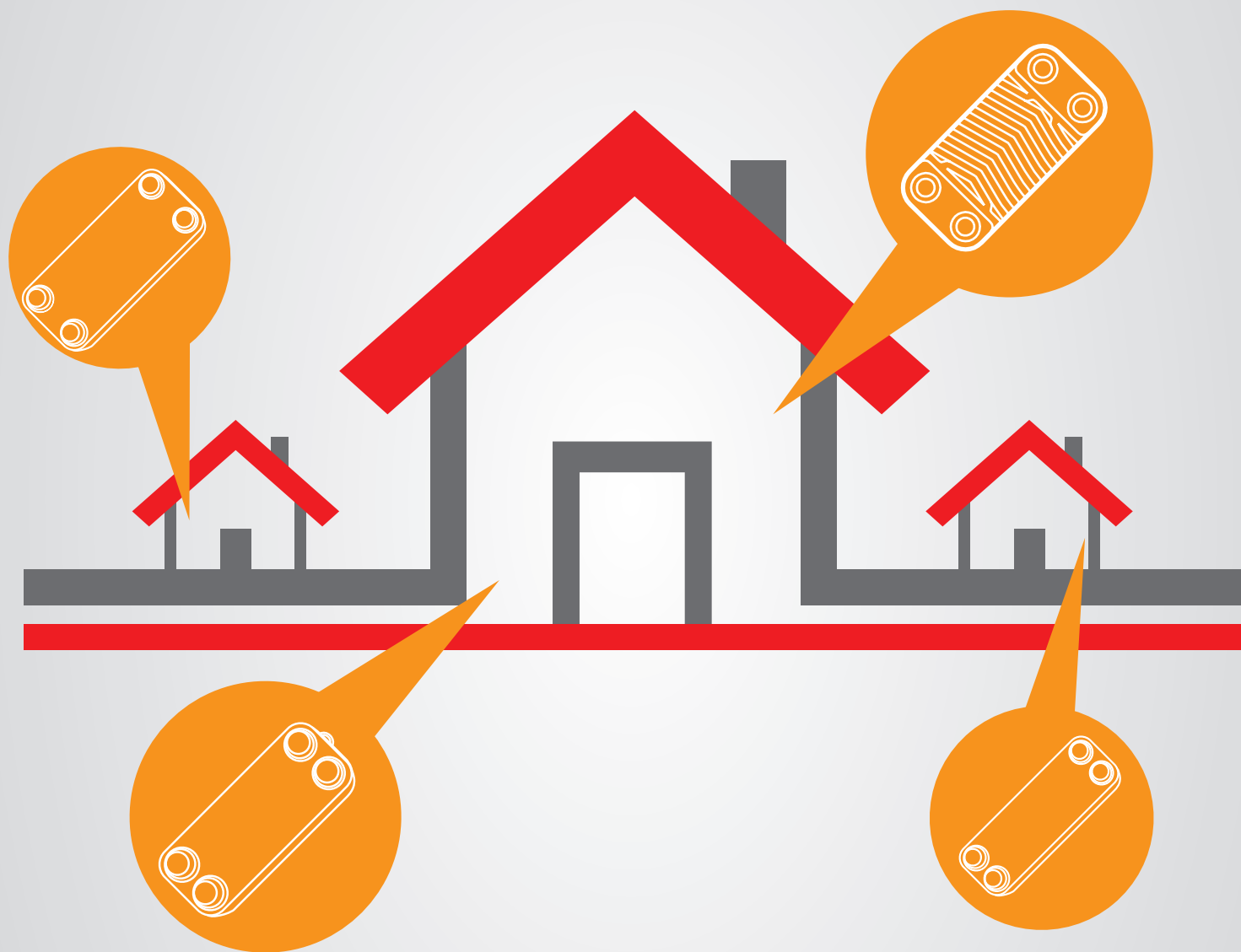


**KAORI**



# Brazed Plate Heat Exchanger

*Power for Heat Pump*



**CO<sub>2</sub>  
Heat Pump**

**Commercial  
Heat Pump**

**Industrial  
Heat Pump**

**Residential  
Heat Pump**

**Gas  
Heat Pump**

**District  
Heating**

**KAORI**



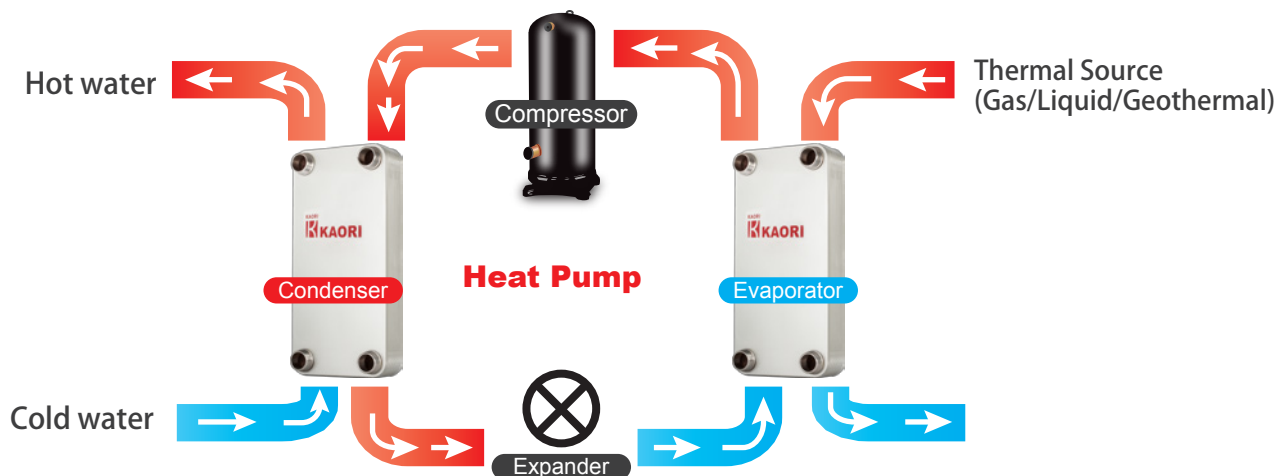
[www.kaori-bphe.com](http://www.kaori-bphe.com)

Innovation · Quality · Responsibility · Honor

Using the natural heat/cool sources, heat pump is considered an environmental-friendly and sustainable approach for comfort residential, commercial, and industrial application. And the high COP performance of the heat pump system can be contributed by efficient heat transfer process of a proper evaporator and condenser.

Responding to different types and applications of heat pump, KAORI brazed plate heat exchanger provides small to large heat exchange capacity, and suitable for various refrigerant including R134a, R407C, R410A and R744/CO<sub>2</sub>...etc.

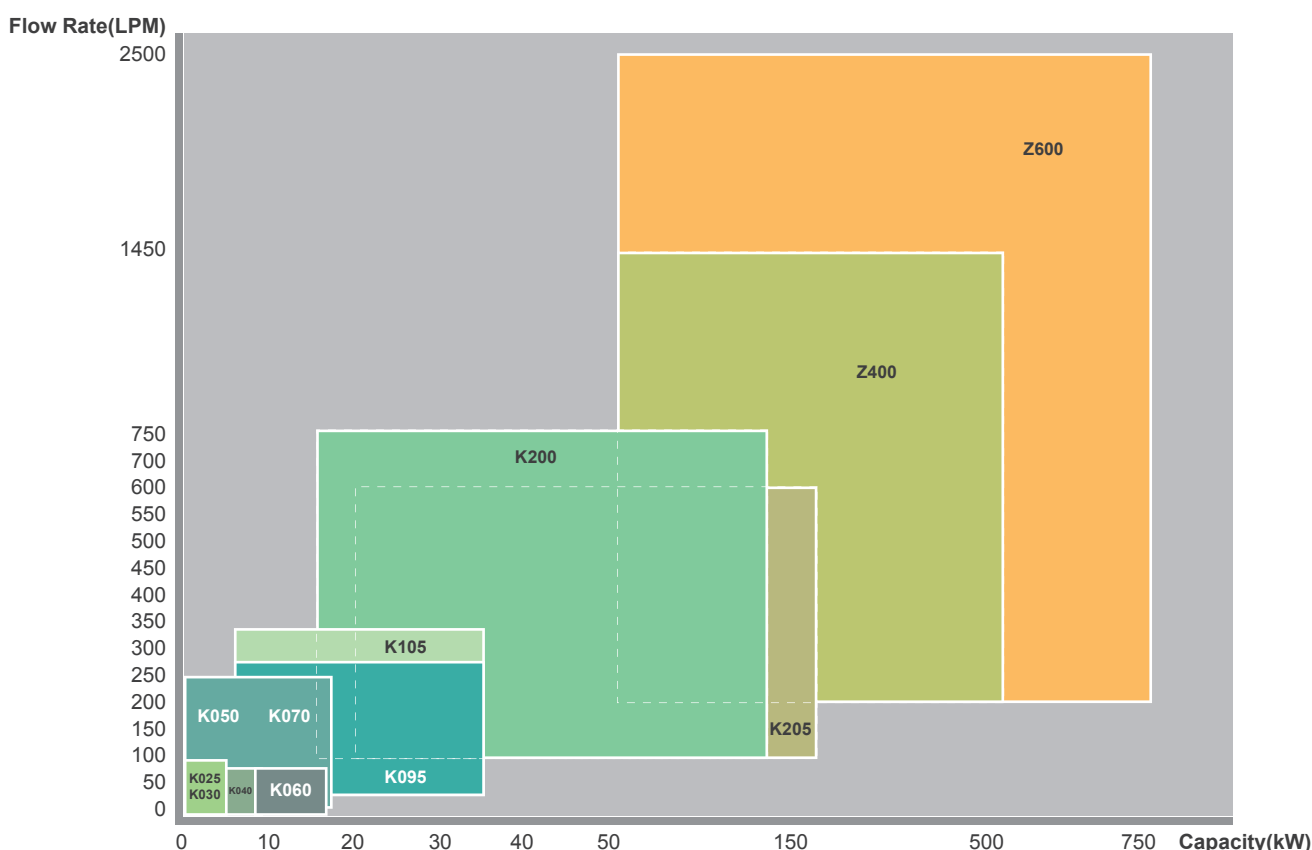
## Working Principle



## What KAORI offer

- \* Customized Design
- \* UL/PED/KHK Approval
- \* Reliability
- \* Fast Delivery
- \* Competitive Solution
- \* Calculation Software
- \* Superior Service
- \* Durability

## KAORI Brazed Plate Heat Exchanger Performance Diagram



## Engineered For different types of Heat Pump

- Air source heat pump
- Water source heat pumps
- Ground source heat pumps

## Specification

### K Series-Standard Brazed Plate Heat Exchanger



Brazing Material	Copper	
	Copper (Extra Strength)	
	(Primary/ Secondary)	
Max. Working Pressure (bar)	30/ 30	45/ 30
Min. Test Pressure (bar)	43/ 43	65/ 43
Max. Working Temperature (°C)	200°C	

### R Series-High Heat Transfer Performance Brazed Plate Heat Exchanger



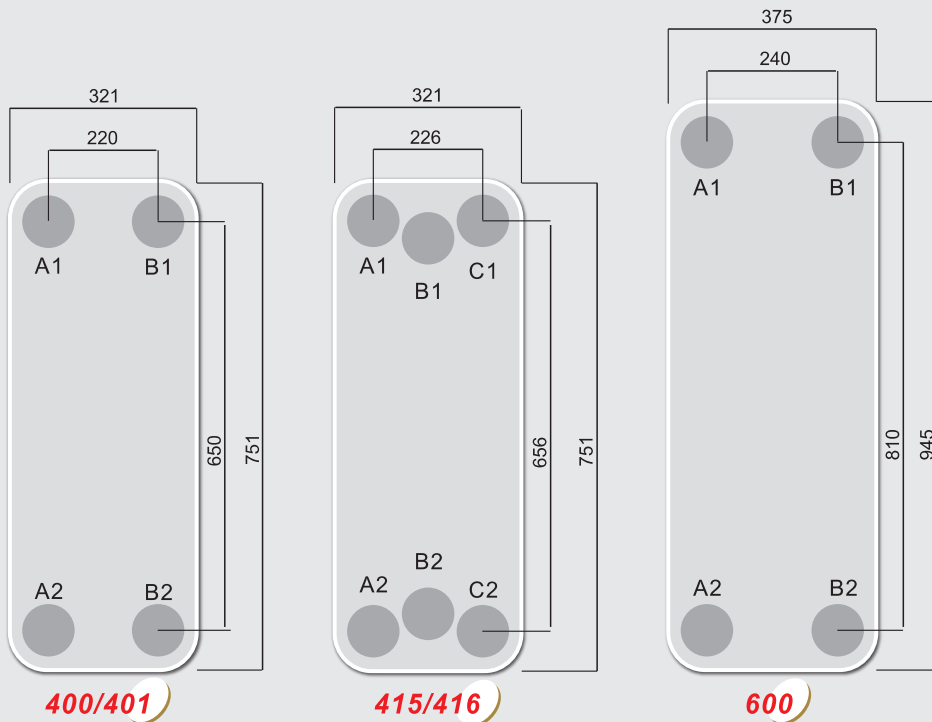
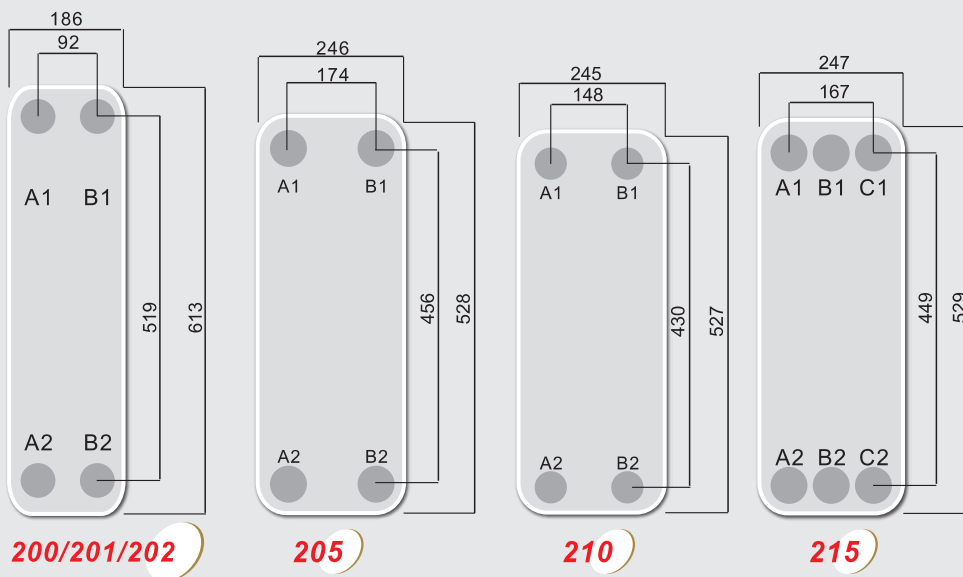
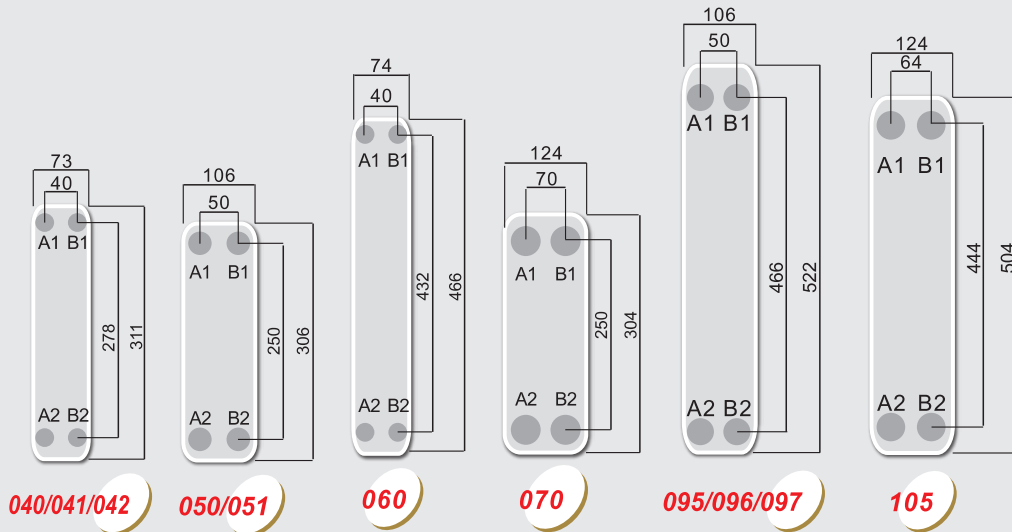
Brazing Material	Copper		Copper (Extra Strength)	
	R050	R095	R051	R096
Model	(Primary/ Secondary)			
Max. Working Pressure (bar)	30/ 30	30/ 30	45/ 30	45/ 30
Min. Test Pressure (bar)	43/ 43	43/ 43	65/ 43	65/ 43
Max. Working Temperature (°C)	200°C			

### C Series- Super High Pressure Brazed Plate Heat Exchanger



Brazing Material	Copper		
	Model	C020, C040 C095, C200	C021, C041 C096, C201
	(Primary/ Secondary)		
Max. Working Pressure (bar)	70/ 30*	100/ 30*	140/ 30*
Min. Test Pressure (bar)	100/ 43*	143/ 43*	200/ 43*
Max. Working Temperature (°C)	200°C		
*For higher working pressure request on secondary side, please contact KAORI representative.			

# Wide Capacity Range : 1.5 kW up to 527 kW



Unit: mm