

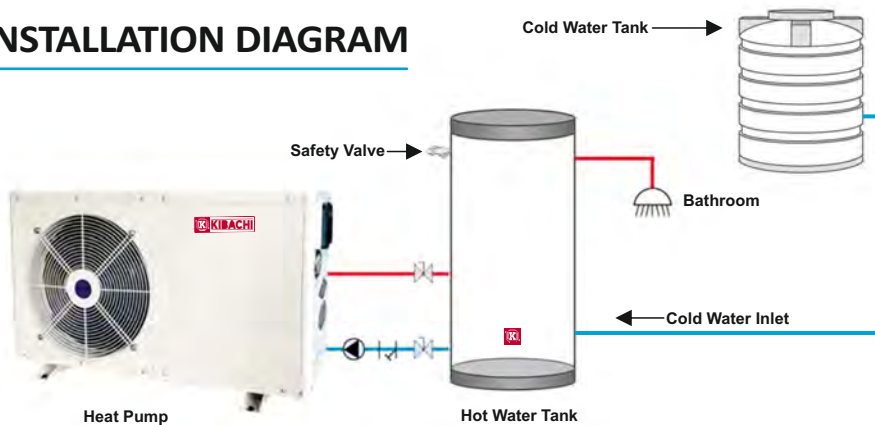
## HOT AND COLD RESIDENTIAL SERIES HEAT PUMP

This KIBACHI Monoblock-type Air to Water Heat Pump can be the best heat pump model on the market in terms of energy efficiency. The heat pump has a number of noteworthy specifications, including a maximum COP of 4.5, a power supply range of 220V to 240V, a maximum heating capacity of 9.8KW, and a maximum cooling capacity of 8.5KW. This heat pump has reached the highest quality possible. The energy usage of the model is thus fairly low and within the range of expectations.

- Four-way valve for automatic defrosting
- High efficient tube in shell heat exchanger
- Panasonic rotary compressor guarantees unit running stably
- Built-in water pump, directly connected to the water tank, easy to install
- Easy and clear LCD control panel

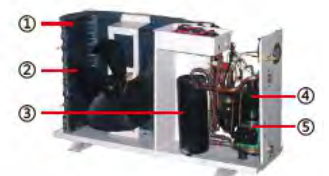


### INSTALLATION DIAGRAM



Model	KB-040MB	KB-050MB	KB-075MB	KB-098MB
Heating capacity (KW)	4.0	5.5	7.5	9.8
input power (KW)	0.98	1.35	1.76	2.2
COP	4.1	4.1	4.3	4.45
Rated Current (A)	4.5	6.5	8	10
Rated outlet water temperature (°c)	55	55	55	55
Highest Outlet water temperature (°c)	60	60	60	60
Power supply	220V/1ph/50Hz			
Anti-elastic shock rate	I	I	I	I
IP grade ( level of protection )	IPX4	IPX4	IPX4	IPX4
Refrigerant	R410A			
Operation Ambient temp (°c)	-7~43°C			
Production capacity (L/H)	86	119	165	215
Diameter of pipe (mm)	Dn20	Dn20	Dn20	Dn20
Water dilution (m*/H)	1	2	2	2
Water pressure drop (kpa)	20	25	25	30
Noise (dB(A))	≤50	≤50	≤50	≤51
Net weight / Gross weight (kg)	53/58	55/60	55/64	65/71
Body Size [ W*D*H ]	820x320x520	960X350X550	960X350X550	1030X350X625
Condenser type	High efficiency tube in shell heat exchanger			
Operating Water Temperature (°c)	9~60°C			
Compressor brand	Panasonic / Copeland			
Four-way valve brand / Expansion valve	Sanhua			
Water pump built in	Wilo / Grundfos			
Tset condition helt water temperature 15°C, Outset Water Temperature 55°C, Dry bulb Temperature 20°C, Wet bulb temperature 15°C				

### INSIDE APPEARANCE



1. Evaporator
2. Fan Blade
3. Water- Refrigerant Heat Exchanger
4. Compressor
5. Circulation Pump