# Air Conditioner Heat Pump

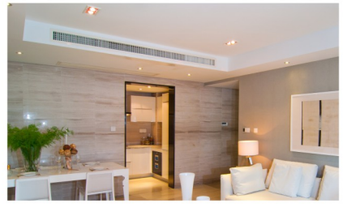
Hot Water

Cool Water

Cool Air

## Schematic diagram

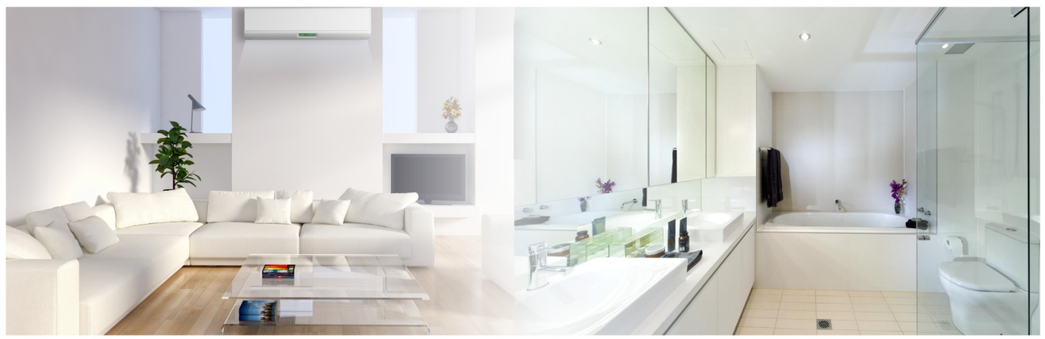




1. Stainless steel SUS304 Casing durable design especially suitable for tropical areas villa clients.
2. Electronic expansion valves control the volume of the refrigerant accurately and improve units performance.
3. Max. 80℃ hot water temperature can reduce the storage cylinder size but keep Sufficient pleasant hot water volume 24/7/365.
4. Heating water and cooling air in one outdoor machine for better enegry saving purpose.
5. Equipped with user-friendly LCD remote displays that can be installed inside the home to provide quick and easy access to water temperature, running times and system diagnostics.




## Working mode



## Working mode





## Product Parameter

| Model | | KF140-HK | ARG-03HK | ARG-05HK | ARG-07HK |
|---|---|---|---|---|---|
| Power Supply | V/PH/HZ | 220~240V/1PH/50HZ | 220~240V/1PH/50HZ | 380~415V/3PH/50HZ | 380~415V/3PH/50HZ |
| Refrigerant | | R134A | R134A | R134A | R134A |
| Water Heating Capacity | KW | 6.2 | 9 | 14 | 22 |
| | BTU/h | 21100 | 32300 | 47600 | 74800 |
| Water Cooling Capacity | KW | 4.96 | 7.2 | 11.2 | 17.6 |
| | BTU/h | 16924 | 24566 | 38214 | 60051 |
| Air Cooling Capacity | KW | 4.6 | 7.2 | 10.5 | 17 |
| | BTU/h | 15700 | 24480 | 35700 | 57800 |
| Air Heating Capacity | KW | 4.9 | 7.67 | 11.18 | 18.11 |
| | BTU/h | 16700 | 26169 | 38162 | 61787 |
| Rated Input | KW | 1.65 | 2.4 | 3.5 | 5.6 |
| Rated Input Current | A | 7.5 | 10.91 | 6.24 | 9.98 |
| Max. Input | KW | 2.31 | 3.36 | 4.9 | 7.84 |
| Max. Input Current | A | 10.5 | 15.27 | 9.28 | 14.85 |
| Outlet Water Temp. | ℃ | 65 | 65 | 65 | 65 |
| Max. Outlet Water Temp. | ℃ | 80 | 80 | 80 | 80 |
| Water Heating Capacity | L/h | 140 | 190 | 270 | 400 |
| Compressor Brand | | Hitachi | Copeland | Copeland | Copeland |
| Compressor Type | | Rotary | Scroll | Scroll | Scroll |
| Compressor Quantity | Unit | 1 | 1 | 1 | 1 |
| Fan Qty | Unit | 1 | 1 | 1 | 1 |
| Sound Level | dB(a) | 65 | 65 | 65 | 70 |
| Water Inlet/Outlet Direction | Inch | G3/4″ | G1″ | G1″ | G1″ |
| Outdoor Unit Air Outlet | | Side Discharge | Top Discharge | Top Discharge | Side Discharge |
| Water-Refrigerant Heat Exchanger | Inch | Shell Pipe Type Heat Exchanger | | | |
| Working ambient temp | ℃ | 0~43 | 0~43 | 0~43 | 0~43 |
| Outline Dimension L*W*H | mm | 1000×370×630 | 700×700×780 | 810×810×1050 | 1050×1220×700 |
| Packing Dimension L*W*H | mm | 1115×375×640 | 750×770×905 | 950×950×1250 | 1290×1090×850 |
| Net Weight | KG | 74 | 110 | 130 | 200 |
| Gross Weight | KG | 109 | 125 | 155 | 230 |