



FLYING TIGER KJ CO., LTD.

Plastic Auxiliary Equipment & Turnkey Solution Experts

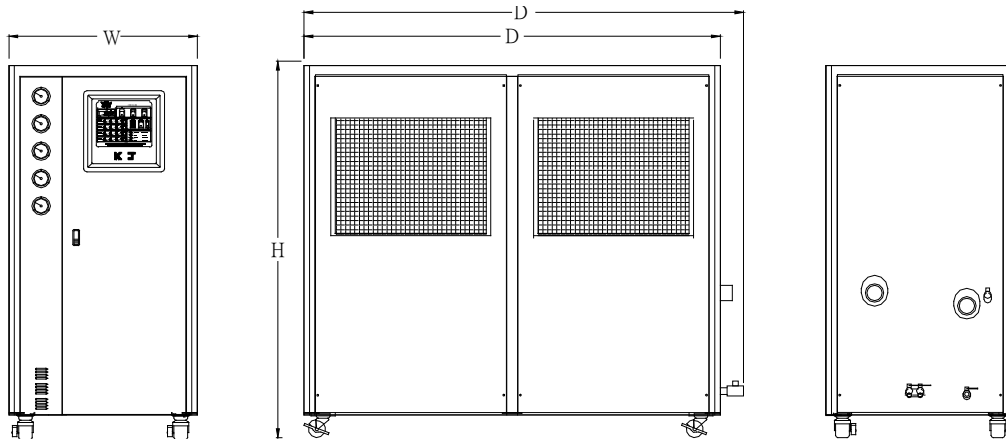
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AIR COOLING CHILLER

FEATURES:

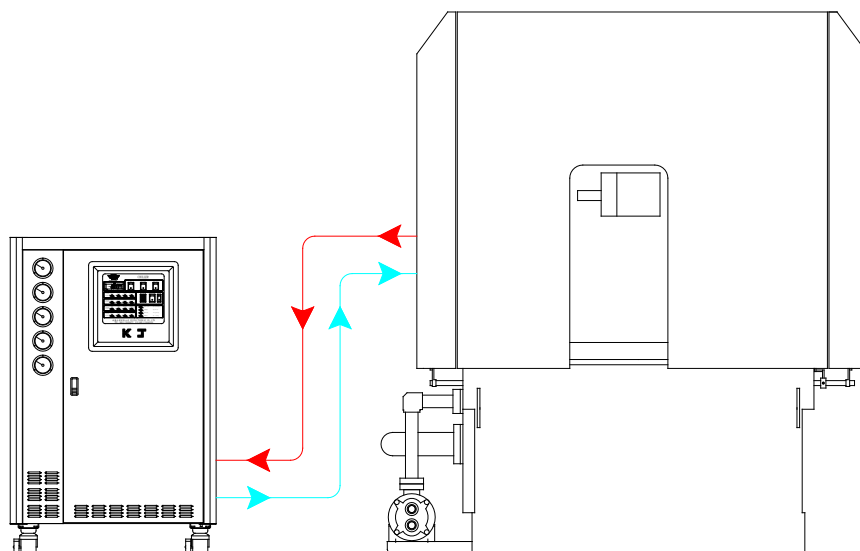
1. Compressors are imported from MANEUROP, DANFOSS or S.U.A. COPELAND.
2. With high efficient evaporator and condenser.
3. LED display controllers are imported from Europe, the temperature can be controlled precisely and stably.
4. The chillers are equipped with circulation pumps and stainless steel water tanks, they are designed for auto water supply and exhaust system.
5. Comprehensive safety protection system:

- ⊙Non-fuse breaker
- ⊙Non-fuse breaker
- ⊙Phase lack & reverse protector
- ⊙Freon shortage protector
- ⊙Anti-freezing protector
- ⊙Adjustable by-pass circulation
- ⊙Compressor overload protector
- ⊙Fan overload protector
- ⊙Overheat protector
- ⊙Freon high-pressure protector
- ⊙Return water overheat protector



KC-0502~5040A

FLOWCHART:





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AIR COOLING CHILLER SPECIFICATIONS

1 of 2

| Model | | KC-0502A | | | KC-0503A | | | KC-1005A | | | KC-1008A | | | KC-2010A | | | |
|--------------------------------|---------|---|--------|--------|--------------------|--------|-----|----------|--------------------------------------|-----|------------|----------|-----|----------|-----------|-----|-----|
| Temperature | | °C | | 5-35°C | | | | | | | | | | | | | |
| Capacity | 60 HZ | BTU/HR | 24,000 | | | 36,000 | | | 60,000 | | | 96,000 | | | 120,000 | | |
| | | KCAL/HR | 6,048 | | | 9,072 | | | 15,120 | | | 24,192 | | | 30,240 | | |
| | 50 HZ | BTU/HR | 20,000 | | | 30,000 | | | 50,000 | | | 80,000 | | | 100,000 | | |
| | | KCAL/HR | 5,040 | | | 7,560 | | | 12,600 | | | 20,160 | | | 25,200 | | |
| Compressor | | HP | 2.0 | | | 3.0 | | | 5.0 | | | 8.0(4*2) | | | 10.0(5*2) | | |
| | | KW | 1.5 | | | 2.3 | | | 3.8 | | | 6.0 | | | 7.5 | | |
| Freon | | R-22 OR R-404 | | | | | | | | | | | | | | | |
| Control method | | Italian LED temperature controller | | | | | | | | | | | | | | | |
| Evaporator | | Plate type | | | Tube-in-shell type | | | | | | | | | | | | |
| Condenser | | High efficiency fin type | | | | | | | | | | | | | | | |
| Fan | HP | 1/6 | | | 1/4*2 | | | 1/4*2 | | | 1/2*2 | | | 1/2*2 | | | |
| Water tank | LITER | 35 | | | 35 | | | 35 | | | 95 | | | 95 | | | |
| Pump | KW | 0.64 | | | 0.38 | | | 0.75 | | | 0.75 | | | 1.50 | | | |
| Flow ↓ Pressure | 60 HZ | LPM | 90 | 50 | 0 | 90 | 50 | 0 | 205 | 135 | 0 | 200 | 135 | 0 | 335 | 265 | 95 |
| | | KG/CM ² | 0.5 | 1.0 | 1.4 | 0.5 | 1.0 | 1.4 | 1.0 | 1.5 | 1.8 | 1.0 | 1.5 | 1.8 | 1.0 | 1.5 | 2.0 |
| | 50 HZ | LPM | 115 | 60 | 40 | 115 | 60 | 40 | 240 | 145 | 85 | 240 | 145 | 85 | 290 | 255 | 230 |
| | | KG/CM ² | 0.5 | 0.9 | 1.1 | 0.5 | 0.9 | 1.1 | 0.5 | 1.2 | 1.5 | 0.5 | 1.2 | 1.5 | 0.7 | 1.4 | 2.1 |
| Piping | Chilled | INCH | 1 | | | 1-1/4 | | | 1-1/4 | | | 1-1/2 | | | 2 | | |
| | Drain | INCH | 1/2 | | | | | | | | | | | | | | |
| | Supply | INCH | 1/2 | | | | | | | | | | | | | | |
| Total load | KW | 2.3 | | | 3.1 | | | 5.0 | | | 7.6 | | | 9.8 | | | |
| Dimension (W*D*H) | CM | 78*86*120 | | | 73*145*153 | | | | | | 86*190*172 | | | | | | |
| D ⁺ (With pipeline) | CM | 93 | | | 152 | | | | | | 197 | | | | | | |
| Approx. weight | KG | 155 | | | 350 | | | 400 | | | 665 | | | 690 | | | |
| Options | | 1.Vertical high-pressure pump | | | | | | | 2.Cooling tower & cooling water pump | | | | | | | | |
| Remarks | | 1.We reserve the right to change specifications without prior notice. | | | | | | | | | | | | | | | |



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AIR COOLING CHILLER SPECIFICATIONS

2 of 2

| Model | | KC-2015A | | | KC-3020A | | | KC-3025A | | | KC-3030A | | | KC-5040A | | | |
|--------------------------------|---------|---|-----------|--------|----------|----------|-----|-------------|------------|-----|----------|----------|-----|-------------|----------|-----|-----|
| Temperature | | °C | | 5-35°C | | | | | | | | | | | | | |
| Capacity | 60HZ | BTU/HR | 180,000 | | | 240,000 | | | 300,000 | | | 360,000 | | | 48,000 | | |
| | | KCAL/HR | 45,360 | | | 60,480 | | | 75,600 | | | 90,720 | | | 12,096 | | |
| | 50HZ | BTU/HR | 150,000 | | | 200,000 | | | 250,000 | | | 300,000 | | | 400,000 | | |
| | | KCAL/HR | 37,800 | | | 50,400 | | | 63,000 | | | 75,600 | | | 10,800 | | |
| Compressor | | HP | 15(7.5*2) | | | 20(10*2) | | | 25(12.5*2) | | | 30(15*2) | | | 40(10*4) | | |
| | | KW | 11.3 | | | 15.0 | | | 18.8 | | | 22.5 | | | 30.0 | | |
| Freon | | R-22 OR R-404 | | | | | | | | | | | | | | | |
| Control method | | Italian LED temperature controller | | | | | | | | | | | | | | | |
| Evaporator | | Tube-in-shell type | | | | | | | | | | | | | | | |
| Condenser | | High efficiency fin type | | | | | | | | | | | | | | | |
| Fan | HP | 3/4*2 | | | 3/4*2 | | | 3/4*2 | | | 3/4*3 | | | 3/4*3 | | | |
| Water tank | LITER | 160 | | | 160 | | | 190 | | | 190 | | | 0 | | | |
| Pump | KW | 1.50 | | | 2.25 | | | 2.25 | | | 2.25 | | | 3.75 | | | |
| Flow ↓ Pressure | 60 HZ | LPM | 335 | 265 | 95 | 655 | 500 | 320 | 655 | 500 | 320 | 655 | 500 | 320 | 855 | 670 | 435 |
| | | KG/CM ² | 1.0 | 1.5 | 2.0 | 1.0 | 1.5 | 2.0 | 1.0 | 1.5 | 2.0 | 1.0 | 1.5 | 2.0 | 1.0 | 1.5 | 2.0 |
| | 50 HZ | LPM | 290 | 255 | 230 | 635 | 485 | 265 | 635 | 485 | 265 | 635 | 485 | 265 | 875 | 705 | 485 |
| | | KG/CM ² | 0.7 | 1.4 | 2.1 | 1.0 | 1.5 | 2.0 | 1.0 | 1.5 | 2.0 | 1.0 | 1.5 | 2.0 | 1.0 | 1.5 | 1.5 |
| Piping | Chilled | INCH | 2 | | | 2-1/2 | | | 2-1/2 | | | 2-1/2 | | | 3 | | |
| | Drain | INCH | 1/2 | | | | | | | | | | | | | | |
| | Supply | INCH | 1/2 | | | | | | | | | | | | | | |
| Total load | KW | 13.9 | | | 18.4 | | | 22.1 | | | 26.5 | | | 35.4 | | | |
| Dimension (W*D*H) | CM | 90*236*193 | | | | | | 100*246*198 | | | | | | 107*309*217 | | | |
| D ⁺ (With pipeline) | CM | 243 | | | | | | 253 | | | | | | 316 | | | |
| Approx. weight | KG | 870 | | | 980 | | | 1,080 | | | 1,165 | | | 1,620 | | | |
| Options | | 1.Vertical high-pressure pump 2.Cooling tower & cooling water pump | | | | | | | | | | | | | | | |
| Remarks | | 1.We reserve the right to change specifications without prior notice. | | | | | | | | | | | | | | | |