



Air cooled water chiller and heat pump

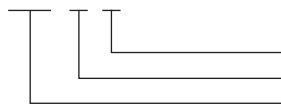
Basic options:

- < compact design,
- < scroll compressor,
- < simple panel control,
- < full automatic control.

Additional options:

- < water pump,
- < expansive tank,
- < metallic filter,
- < flexi connector,
- < rubber anti-vibration mounting.

FM x x



*heat pump; cooling
cooling capacity kW
air cooled chiller

*:
R – heat pump, L – cooling



Specification

| Model | | | FM-35L | FM-55L | FM-65L | FM-100L | FM-130L |
|---------------------------|-----------------------------|---|--------|--------|--------|---------|---------|
| | | | FM-35R | FM-55R | FM-65R | FM-100R | FM-130R |
| Cooling capacity | kW | 33 | 56 | 65 | 95 | 130 | |
| Heating capacity | kW | 35 | 59 | 70 | 105 | 140 | |
| Power input | Cooling | kW | 10 | 18,70 | 21 | 32 | 42 |
| | Heating | kW | 9,5 | 18,0 | 19,5 | 29 | 39 |
| Compressor | | Scroll | | | | | |
| Refrigerant | | R410A | | | | | |
| Power | | 380V/50Hz/3F | | | | | |
| Safety protection | | High/low pressure protection, over load protection, phase protection, under-voltage protection, waterflow switch protection, anti-freeze protection, etc. | | | | | |
| Water side heat exchanger | Type | Shell in tube type | | | | | |
| | Water pressure drop | kPa | 43-45 | | | | |
| | Water side working pressure | MPa | 1,0 | | | | |
| | Pipe dim | DN | 50 | 65 | | 80 | |
| Water flow in cooling | m ³ /h | 5,6 | 11,2 | 11,2 | 16,5 | 22,4 | |
| Air side heat exchanger | Type | Aluminum | | | | | |
| | Fan number | 1 | 2 | 2 | 3 | 4 | |
| | Single fan power | kW | 0,75 | 0,75 | 0,75 | 0,75 | 0,75 |
| Dimension | L | mm | 1250 | 2175 | 2175 | 3420 | 2175 |
| | W | mm | 1000 | 1095 | 1095 | 1060 | 2190 |
| | H | mm | 1900 | 1900 | 1900 | 1900 | 1900 |
| Weight | kg | 500 | 850 | 850 | 1270 | 1700 | |

Notes:

1. Cooling Condition: Ambient temperature 35°C; evaporator water in/out 12/7°C.
2. Heating Condition: Ambient temperature WB 7°C, DB 6°C; condenser water in/out temperature 40/45°C.
3. Power supply: 3P-380V-50HZ; with voltage allowance ±10%, voltage difference between the phase lines ±2%.