



# Air cooled water chiller and heat pump

## Low temperature type

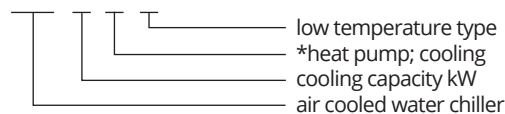
### Basic options:

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

### Additional options:

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

FM x x D



\*:  
R – heat pump, L – cooling



## Specification

Model			FM-35LD	FM-55LD	FM-65LD	FM-100LD	FM-130LD
			FM-35RD	FM-55RD	FM-65RD	FM-100RD	FM-130RD
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 <sup>3</sup> /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%.