

TEMPERATURE CONTROL 14/15

AIR COOLED WATER CHILLER



Technical features

- Touchscreen LCD control display - Can easily connect with a BMS
- Clock and timer on/off function
- Phase monitor: Protects the compressor in case of phase loss or inversion
- High/low pressure protection available
- cooled water temperature



Models

	R410A	CHU2-0110	CHU2-0120	CHU2-0130	CHU2-0140
Operating air temperature		2°C~53 °C			
Outlet temperature range		Cooling 7 °C~50 °C			
Functional selection		Cooling water			
Power Supply	V/PH/Hz	220-240/1/50		380~415/3/5	
Performance condition		Air35 °C / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	5.3	7.3	10.5	14.2
	BTU/H	18084	24908	35826	48450
Power Input	kw	1.8	2.6	3.7	5.0
Current	A	8.2	11.6	6.6	9.0
EER	W/W	2.94	2.85	2.83	2.83
Performance condition		Air46 °C / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	4.5	6.2	8.9	12.1
Power Input	kw	2.1	3.0	4.4	5.9
Current	A	9.7	13.7	7.8	10.6
EER	W/W	2.12	2.04	2.04	2.04
Performance condition		Air46 °C / Water inlet 35 °C~ 10 °C			
Cooling Capacity	kw	3.1	4.3	6.2	8.3
Power Input	kw	2.0	3.0	4.3	5.8
Current	A	9.3	13.9	7.7	10.4
COP	W/W	1.55	1.43	1.43	1.43
MAX.POWER INPUT	kW	2.4	3.6	5.2	7.0
MAX.CURRENT	A	11.2	16.7	9.3	12.5
Compressor Type * Quantity		Rotary*1	Rotary*1	Scroll*1	Scroll*1
Noise	dB(A)	52	52	55	55
type		Titanium			
Standard water flow	m3/h	2.3	3.1	4.5	6.1
Standard water flow (min)	US GPM	1.1	1.6	2.3	3.1
Standard water flow (max)	US GPM	4.6	6.3	9.0	12.2
Water pressure drop (max)	kPa	9	11	13	15
Water connection	inch	50	50	50	50
Net	mm	1020×440×673		1100×440×673	1100×440×873
Weight	kg	79/94	88/103	103/118	118/137



Models (Cont'd)

		CHU2-0150	CHU2-0160	CHU2-0170	CHU2-0180
Operating air temperature		2°C~53 °C			
Outlet temperature range		Cooling 7 °C~50 °C			
Functional selection		Cooling water			
Power Supply	V/PH/Hz	380~415/3/50			
Performance condition		Air35 °C / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	17.5	21.7	28	34
	BTU/H	59710	74040	95536	116008
Power Input	kw	6.2	7.7	10.0	12.1
Current	A	11.1	13.8	17.9	21.7
EER	W/W	2.82	2.82	2.80	2.80
Performance condition		Air46 °C / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	14.9	18.4	23.8	28.9
Power Input	kw	7.3	9.1	11.8	14.3
Current	A	13.1	16.2	21.1	25.6
EER	W/W	2.03	2.03	2.02	2.02
Performance condition		Air46 °C / Water inlet 35 °C~ 10 °C			
Heating Capacity	kw	10.3	12.7	16.4	19.9
Power Input	kw	7.2	9.0	11.6	14.1
Current	A	12.9	16.0	20.8	25.2
EER	W/W	1.42	1.42	1.41	1.41
MAX.POWER INPUT	kW	8.7	10.7	14.0	17.0
MAX.CURRENT	A	15.5	19.2	24.9	30.3
Compressor Type * Quantity		Scroll*1	Scroll*1	Scroll*2	Scroll*2
Noise	dB(A)	58	58	59	59
type		Titanium			
Standard water flow	m3/h	7.5	9.3	12.0	14.6
Standard water flow (min)	US GPM	3.8	4.7	6.0	7.3
Standard water flow (max)	US GPM	15.0	18.7	24.1	29.2
Water pressure drop (max)	kPa	16	18	20	22
Water connection	inch	50	63	63	63
Net	mm	1150×450×973	1100×440×1378	1455×755×1705	
Weight	kg	129/150	194/207	290/323	317/350



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