

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	CHU2-0110-60Hz	CHU2-0120-60Hz	CHU2-0130-60Hz	CHU2-0140-60Hz
Operating air temperature		2 °C~53 °C			
Operating water temperature		Cooling 7 °C~50 °C			
Functional selection		Cooling water			
Power Supply	V/PH/Hz	220/1/60	380~415/3/60	380~415/3/60	380~415/3/60
Performance condition		Air35 °C / Humidity 80% / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	5.4	7.2	11.8	15.9
	BTU/H	18425	24566	40125	54264
Chilled water production ΔT=20°C	US Gal/h	60	83	119	161
Power Input	kw	1.8	2.5	4.5	6.1
Current	A	8.4	11.7	8.1	10.9
EER	W/W	2.97	2.85	2.60	2.60
Performance condition		Air46 °C / Humidity 80% / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	4.6	6.1	10.0	13.5
Chilled water production ΔT=20°C	US Gal/h	51	70	101	137
Power Input	kw	2.2	3.0	5.3	7.2
Current	A	10.0	13.8	9.5	12.9
EER	W/W	2.12	2.05	1.87	1.87
Performance condition		Air46 °C / Humidity 80% / Water inlet 35 °C~ 10 °C			
Cooling Capacity	kw	3.1	4.2	6.9	9.3
Chilled water production ΔT=40°C	US Gal/h	72	99	143	193
Power Input	kw	2.0	2.9	5.3	7.1
Current	A	9.4	13.6	9.4	12.7
EER	W/W	1.54	1.44	1.31	1.31
MAX.POWER INPUT	kW	2.4	3.5	6.3	8.5
MAX.CURRENT	A	11.3	16.3	11.3	15.3
Compressor Type		Rotary-1	Rotary-1	Scroll-1	Scroll-1
Controller		LCD			
Noise	dB(A)	66	66	69	70
type		Titanium			
Standard water flow	m3/h	2.3	3.1	5.1	6.8
Standard water flow (min)	US GPM	1.1	1.6	2.5	3.4
Standard water flow (max)	US GPM	4.6	6.3	10.1	13.7
Water pressure drop (max)	kPa	6	8	11	13
Water connection	mm	50mm/Threaded/1 side	50mm/Threaded/1 side	50mm/Threaded/1 side	50mm/Threaded/1 side
Net	mm	1020 x 440 x 673	1020 x 440 x 673	1100 x 440 x 673	1100 x 440 x 873
Weight	kg	79/94	88/103	103/118	118/137



Models (Cont'd)

		CHU2-0150-60Hz	CHU2-0160-60Hz	CHU2-0170-60Hz	CHU2-0180-60Hz
Operating air temperature		10 °C~53 °C			
Operating water temperature		Cooling 7 °C~35 °C			
Functional selection		Cooling water			
Power Supply	V/PH/Hz	380~415/3/60	380~415/3/60	380~415/3/60	380~415/3/60
Performance condition		Air35 °C / Humidity 80% / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	19.6	24.3	31	38
	BTU/H	66875	82925	107000	1229929
Chilled water production ΔT=20°C	US Gal/h	199	246	318	386
Power Input	kw	7.6	9.4	12.2	14.8
Current	A	13.5	16.8	21.8	26.5
EER	W/W	2.59	2.59	2.57	2.57
Performance condition		Air46 °C / Humidity 80% / Water inlet 45 °C~ 25 °C			
Cooling Capacity	kw	16.7	20.7	26.7	32.4
Chilled water production ΔT=20°C	US Gal/h	169	209	270	328
Power Input	kw	8.9	11.1	14.4	17.5
Current	A	16.0	19.8	25.7	31.2
EER	W/W	1.86	1.86	1.85	1.85
Performance condition		Air46 °C / Humidity 80% / Water inlet 35 °C~ 10 °C			
Cooling Capacity	kw	11.5	14.3	18.4	22.3
Chilled water production ΔT=40°C	US Gal/h	238	296	381	463
Power Input	kw	8.8	10.9	14.2	17.2
Current	A	15.7	19.5	25.4	30.8
EER	W/W	1.30	1.30	1.30	1.30
MAX.POWER INPUT	kW	10.6	13.1	17.0	20.7
MAX.CURRENT	A	18.9	23.4	30.4	36.9
Compressor Type		Scroll-1	Scroll-1	Scroll-2	Scroll-2
Controller		LCD			
Noise	dB(A)	73	73	75	75
type		Titanium			
Standard water flow	m3/h	8.4	10.5	13.5	16.4
Standard water flow (min)	US GPM	4.2	5.2	6.7	8.2
Standard water flow (max)	US GPM	16.9	20.9	27.0	32.7
Water pressure drop (max)	kPa	16	20	22	24
Water connection	inch	50mm/Threaded/1 side	63mm/Threaded/1 side	63mm/Threaded/1 side	63mm/Threaded/1 side
Net	mm	1150 x 450 x 973	1100 x 440 x 1378	1455 x 755 x 1705	1455 x 755 x 1705
Weight	kg	129/150	194/207	290/323	317/350



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