

FAN COIL UNIT

YCHBC 200~1200



FAN COIL UNIT YCHBC Series

Horizontal unit with cabinet equipped with rear air inlet and front air outlet for ceiling suspension installation

Characteristics

- Low Noise
- Ductwork free when installation
- Washable polypropylene filter
- 3- speed fan motor

Available configurations

YCHBC 200 C 2 - R - 2 - 1
(1) (2) (3) (4) (5)

- (1) Nominal Air Volume:CFM
(2) Quantity of Coils:
2: Three coils(Two pipes)
4: Four coils (Four pipes)
5: Four coils (Two pipes)

- (3) Direction of Nozzle:
L Left hand side
R Right hand side

- (4) Electric Heating Power: KW
(5) Power Supply:
1 220/1/50
3 230/1/60
6 Other power supply

Applications



arts and crafts industry commerce workshop agriculture domestic use

Functions and features



Indoor inst. Refrig. water

Optional

- 3-way valve
- 2-way valve
- Mechanical controller
- Digital controller (LCD screen)
- Infrared remote controller
- Stainless steel flexible connection pipe

2 pipes installation- 3 rows main coil

Model	YCHBC	Size	200C			300C			400C			600C			800C			1000C			1200C					
			H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L			
Air side	Air flow	m ³ /h	340	260	220	510	460	330	680	540	420	1020	830	660	1360	1050	800	1700	1300	950	2040	1670	1300			
	Nominal cooling capacity	KW	1.92	1.72	1.52	2.79	2.31	2.14	3.84	3.25	2.94	5.31	4.83	4.12	7.68	6.58	5.84	8.72	7.45	6.45	10.50	9.45	8.45			
General	Sensible cooling capacity	KW	1.38	1.24	1.09	2.01	1.66	1.54	2.76	2.34	2.12	3.82	3.48	2.97	5.53	4.74	4.20	6.28	5.36	4.64	7.56	6.80	6.17			
	Nominal Heating capacity	KW	3.26	2.87	2.35	4.65	3.64	3.15	6.40	5.52	4.81	8.68	7.86	7.04	12.79	10.87	9.35	14.53	12.98	10.15	17.45	15.09	13.21			
Coil side	Water flow	l/s	0.09			0.13			0.18			0.25			0.37			0.42			0.50					
	Pressure drop	KPa	25.00			17.30			25.70			33.00			32.30			23.50			35.00					
Fan	Structure		Double air inlet forward multi- blades centrifugal fan																							
	Nr.		1			2			2			2			3			4			4					
Motor	Power input	W	27			41			51			89			119			148			186					
	Noise	dB(A)	34	28	23	36	28	24	39	33	27	44	38	30	46	41	32	47	42	32	49	45	34			
Dimension	Power supply		220V/1P/50Hz																							
	Width	mm	902			1024			1146			1390			1634			1878			2110					
	Depth	mm	500			500			500			500			500			500			500					
	Height	mm	240			240			240			240			240			240			240					
Pipe size	Inlet/outlet nozzle	DN	20																							
	Condensate pipe diameter	DN	20																							
	Weight	kg	20.0			23.0			26.0			32.0			38.0			40.0			45.0					

4 pipes installation- 3-row cooling coil + 1 row heating coil

Model	YCHBC	Size	200C			300C			400C			600C			800C			1000C			1200C					
			H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L			
Air side	Air flow	m ³ /h	340	260	220	510	460	330	680	540	420	1020	830	660	1360	1050	800	1700	1300	950	2040	1670	1300			
	Nominal cooling capacity	KW	1.88	1.60	1.41	2.80	2.38	2.10	3.73	3.18	2.80	5.56	4.73	4.17	7.37	6.27	5.53	8.55	7.25	6.12	10.40	9.15	8.27			
General	Sensible cooling capacity	KW	1.35	1.15	1.02	2.02	1.71	1.51	2.69	2.29	2.02	4.00	3.41	3.00	5.31	4.51	3.98	6.16	5.22	4.41	7.49	6.59	5.95			
	Nominal Heating capacity	KW	1.79	1.53	1.17	2.74	2.33	1.80	3.58	2.85	2.32	5.34	4.55	3.53	6.69	5.68	4.45	8.25	7.04	5.52	10.30	8.52	6.68			
Coil side	Water flow	l/s	0.09			0.13			0.18			0.25			0.37			0.42			0.50					
	Pressure drop	KPa	25.00			17.30			25.70			33.00			32.30			23.50			35.00					
Fan	Maximum working pressure	MPa	1.60																							
	Structure		Double air inlet forward multi- blades centrifugal fan																							
Motor	Nr.		1			2			2			2			3			4			4					
	Power input	W	27			41			51			89			119			148			186					
Dimension	Noise	dB(A)	34	28	23	36	28	24	39	33	27	44	38	30	46	41	32	47	42	32	49	45	34			
	Power supply		220V/1P/50Hz																							
	Width	mm	902			1024			1146			1390			1634			1878			2110					
	Depth	mm	500			500			500			500			500			500			500					
Pipe size	Height	mm	240			240			240			240			240			240			240					
	Inlet/outlet nozzle	DN	20																							
	Condensate pipe diameter	DN	20																							
	Weight	kg	21.0			24.0			27.0			33.0			40.0			42.0			47.0					

Note:

Cooling rated conditions: air inlet 27°C(DB)/19.5°C(WB). Water inlet 7°C, water inlet/outlet temperature difference 5 °C.
Heating rated conditions: air inlet 20°C(DB), hot water inlet 60°C, the hot water flow is the same as the cooling water flow.
Noise measured at 1m in open field.