

FAN COIL UNIT

YPHBC 200~1600



FAN COIL UNIT YPHBC Series

Horizontal unit with plenum and washable filter, rear air inlet and front air outlet for false ceiling concealed installation

Characteristics

- Air distribution plenum
- Washable polypropylene filter
- 3- speed fan motor
- Low noise

Available configurations

YPHBC 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	YPHBC	Size	200C		300C		400C		600C		800C		1000C		1200C		1400C		1600C										
			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	2380	2020	1600	2740	2400	2000
	Standard E.S.P.	Pa	30																										
General	Nominal cooling capacity	KW	2.06	1.79	1.52	2.98	2.45	2.16	4.01	3.65	3.35	5.35	5.01	4.65	7.71	6.82	6.25	8.8	7.85	6.32	10.7	9.80	9.01	12.56	11.40	10.10	15.70	13.40	11.80
	Sensible cooling capacity	KW	1.48	1.29	1.09	2.15	1.76	1.56	2.89	2.63	2.41	3.85	3.61	3.35	5.55	4.91	4.50	6.34	5.65	4.55	7.70	7.06	6.49	9.04	8.21	7.27	11.30	9.65	8.50
	Nominal Heating capacity	KW	3.40	2.90	2.40	5.3	4.12	3.52	6.51	5.62	4.85	9.3	8.35	7.58	12.8	10.5	9.28	15.1	13.2	10.5	17.3	15.1	13.2	19.20	17.30	15.40	23.40	21.40	18.70
Coil side	Water flow	l/s	0.09		0.13		0.18		0.25		0.37		0.42		0.50		0.59		0.73										
	Pressure drop	KPa	25.00		17.30		25.70		33.00		32.30		23.50		35.00		40.00		42.00										
Fan	Structure		Double air inlet forward multi- blades centrifugal fan																										
	Nr.		1		2		2		2		3		4		4		5		6										
Motor	Power input	W	48	43	27	64	57	41	82	71	51	115	107	89	170	154	119	204	172	148	248	210	186	297	249	228	325	270	240
	Noise	dB(A)	34	28	23	36	28	24	39	33	27	44	38	30	46	41	32	47	42	32	49	45	34	50	46	36	50	47	36
Dimension	Power supply		220V/1P/50Hz																										
	Width	mm	760		930		1060		1290		1510		1720		1920		2020		2220										
	Depth	mm	528		528		528		528		528		528		528		528		528										
	Height	mm	230		230		230		230		230		230		230		230		230										
Pipe size	Inlet/outlet nozzle	DN	20																										
	Condensate pipe diameter	DN	20																										
	Weight	kg	16.0		17.0		19.0		22.0		31.0		33.0		37.0		40.0		45.0										

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

Model	YPHBC	Size	200C		300C		400C		600C		800C		1000C		1200C		1400C		1600C										
			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	2380	2020	1600	2740	2400	2000
	Standard E.S.P.	Pa	30																										
General	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	12.18	10.90	9.38	15.20	12.80	11.10
	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	7.41	6.59	5.95	8.77	7.85	6.75	10.94	9.22	7.99
	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	10.03	8.52	6.68	12.02	10.40	8.88	14.52	12.13	10.12
Coil side	Water flow	l/s	0.09		0.13		0.18		0.27		0.35		0.41		0.50		0.58		0.73										
	Pressure drop	KPa	25.00		17.30		25.70		33.00		32.30		23.50		35.00		40.00		42.00										
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		5		6										
	Power input	W	48	43	27	64	57	41	82	71	51	115	107	89	170	154	119	204	172	148	248	210	186	297	249	228	325	270	240
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	50	46	36	50	47	36
	Power supply		220V/1P/50Hz																										
	Width	mm	760		930		1060		1290		1510		1720		1920		2020		2220										
	Depth	mm	528		528		528		528		528		528		528		528		528										
Pipe size	Height	mm	230		230		230		230		230		230		230		230		230										
	Inlet/outlet nozzle	DN	20																										
Pipe size	Condensate pipe diameter	DN	20																										
	Weight	kg	16.0		18.0		20.0		23.0		32.0		34.0		38.0		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.