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组合式空调机组 Modular air conditioning unit



Overview

The air conditioning unit is a kind of air treatment equipment assembled by various air handling function segments. It is suitable for air conditioning systems with resistance: greater than 100P. The unit air handling function segment has such unit bodies as air mixing, flow equalization, filtration, cooling, primary and secondary heating, dehumidification, humidification, pressure fan, return fan, spraying water, noise elimination and heat recovery and is widely used in pharmaceutical production, machine manufacturing, precision electronics, fine chemical industry and other industries.

Product features



Smooth appearance

As for the spliced panel, the surface connection is smooth, clear and smooth as well as beautiful and elegant.



Excellent air tightness

The use of special sealing rubber strip connection ensures the air leakage is less than 1%.



Reliable structure

The aluminum alloy frame is adopted and has the advantage of high strength and beautiful appearance.



Strong rust resistance

The colored steel plate is used as the panel, ensuring durability and reliability.



Low noise

Low noise: The high efficiency and low noise multi-blade centrifugal fan is used, with noise reduced to a minimum.



High heat exchange efficiency

The open window corrugated composite sheet is used in the heat exchanger, with high efficiency and good airflow effect.



Good insulation property

The "sandwich" method is used. The polystyrene or polyurethane foam insulation material is used in the box board sandwich layer, making the box board and foam material into a whole, with no disengagement.

Place of use

The modular air conditioning unit is of large refrigerating capacity, with many additional features (such as dehumidification, humidification, air filtration, purification, sterilization and fresh air intake). It is used in a wide range of places, including industrial sites, business places and some public places, such as hospitals, cinemas, large commercial entities, guild halls, auditoriums, large conference rooms, pharmaceutical factories and electronic workshops.



机组基本参数 UNIT PARAMETERS

The cooling performance parameters of the modular air conditioning unit.

Unit model	Air volume m³/h	Return air working conditions														
		4 rows					6 rows					8 rows				
		Total heat cooling capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h	Total heat cooling capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h	Total heat cooling capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h
HCZKW030T	3050	16.9	12.6	103	6	2.9	23	15.4	179	7.3	4	26.5	16.4	225	8.1	4.6
HCZKW040T	4016	22.6	16.9	104	7.9	3.9	30.8	20.6	178	11.4	5.3	34.8	21.6	246	8.1	6
HCZKW050T	5020	28.3	21.2	98	10.7	4.9	38.5	25.8	192	13.9	6.6	43.5	27	245	10.1	7.5
HCZKW060T	6168	33.8	25.4	100	11.5	5.8	46.2	30.9	196	12.1	7.9	53.7	33.3	257	11.3	9.2
HCZKW080T	8025	45.0	33.8	101	12.9	7.7	61.5	41.2	188	14.2	10.6	69.6	43.2	258	10.5	12
HCZKW100T	10068	56.4	42.3	111	14.0	9.7	77.0	51.6	198	15.7	13.2	87.3	54.1	260	12.9	15
HCZKW120T	12134	67.7	50.8	106	17.6	11.6	92.3	61.8	201	16.2	15.9	105.2	65.3	257	12.1	18
HCZKW150T	15075	85.3	64.0	106	18.0	14.7	115.4	77.3	196	20.2	19.8	130.8	81.1	255	15.1	22.5
HCZKW200T	20082	112.4	84.3	108	18.3	19.3	153.5	102.8	200	18.8	26.4	174.2	108.0	258	17.5	30
HCZKW250T	25025	140.7	105.5	118	18.5	24.2	191.9	128.5	208	21.4	33.0	217.1	134.6	257	18.9	37.3
HCZKW300T	30060	169.8	127.3	115	20.2	29.2	200.3	134.2	196	22.0	34.4	260.7	161.6	257	16.3	44.8
HCZKW350T	35350	198.1	148.6	115	21.0	34.1	235.5	157.8	201	20.0	40.5	306.8	190.1	254	17.8	52.7
HCZKW400T	40156	224.9	168.7	105	21.9	38.7	267.5	179.2	192	22.8	46.0	348.3	215.9	256	19.2	59.9
HCZKW500T	50562	282.6	211.9	119	23	48.6	336.9	225.7	198	24.6	57.9	438.5	271.9	264	16.8	75.4
HCZKW600T	60280	338.4	253.8	118	21.9	58.2	401.6	269.1	195	26.4	69.1	522.8	324.2	259	16.8	89.9
HCZKW800T	84850	448.8	336.6	119	27.1	77.2	534.0	357.8	211	28.6	91.8	695.2	431.0	256	18.9	119.6
HCZKW1000T	100260	576.2	432.2	116	32.4	99.1	668.0	447.5	201	33.7	114.9	869.6	539.1	259	19.5	149.6
HCZKW1200T	121056	694.3	520.7	119	35.4	119.4	806.5	540.4	193	37.4	138.7	1050.0	651.0	264	18.9	180.6
HCZKW1400T	140862	808.8	606.6	120	40.3	139.1	938.5	628.8	198	42.2	161.4	1221.7	757.5	254	21.2	210.1
HCZKW1600T	161236	923.4	692.6	115	46.8	158.8	1074.2	719.7	192	49.4	184.7	1398.5	867.0	261	23.5	240.5
HCZKW1800T	180650	1034.2	775.7	112	52.3	177.9	1203.5	806.4	201	57.4	207.0	1566.8	971.4	259	23.6	269.4
HCZKW2000T	201260	1108.1	831.1	112	62.1	190.6	1340.9	898.4	201	69.1	230.6	1745.6	1082.3	258	27.8	300.2
HCZKW2200T	222152	1218.9	914.2	115	65.2	209.6	1480.0	991.6	193	76.0	254.5	1926.8	1194.6	262	26.9	331.3
HCZKW2500T	251882	1385.1	1038.8	118	69.5	238.2	1678.1	1124.3	200	86.4	288.6	2184.7	1354.5	264	35.3	375.7

Note:
1. Return air condition: Inlet air drying temperature: 27°C and wet bulb temperature: 19.5°C.
2. Temperature of chilled water inlet and outlet: 7°C/12°C.

The cooling performance parameters of the modular air conditioning unit.

Unit model	Air volume m³/h	Fresh air working condition														
		4 rows					6 rows					8 rows				
		Total heat cooling capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h	Total heat cooling capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h	Total heat cooling capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h
HCZKW030X	3050	24.5	18.4	113	12.8	4.2	33.6	22.5	189	16.2	5.8	43.6	27	235	18.8	7.5
HCZKW040X	4016	32.4	24.3	114	13.1	5.6	43.7	29.3	188	21.5	7.5	57.6	35.7	256	21.9	9.9
HCZKW050X	5020	40.8	30.6	108	14.8	7	55.7	37.3	202	22.3	9.6	72.7	45.1	255	23.7	12.5
HCZKW060X	6186	49	36.8	110	13.2	8.4	67	44.9	206	25.1	11.5	87.2	54.1	267	28.3	15
HCZKW080X	8025	65.4	49.1	111	16.3	11.2	90.9	60.9	198	30.7	15.6	116.3	72.1	268	31.9	20
HCZKW100X	10068	88.2	66.2	121	18.4	15.2	112.2	75.2	208	34.5	19.3	156.9	97.3	270	37.7	27
HCZKW120X	12134	105.8	79.4	116	19.6	18.2	134.6	90.2	211	37.3	23.2	188.3	116.7	267	40.3	32.4
HCZKW150X	15075	134.2	100.7	116	20.2	23.1	170.9	114.5	206	40.8	29.4	238.7	148.0	265	44.5	41.1
HCZKW200X	20082	180.4	165.3	118	20.2	31.0	244.2	163.6	210	23.7	42	320.9	199.0	268	25.9	55.2
HCZKW250X	25025	226.8	170.1	128	22.5	39.0	304.7	204.1	218	31.1	52.4	403.5	250.2	267	33.9	69.4
HCZKW300X	30060	262.9	197.2	125	24.8	45.2	366.3	245.4	206	36.5	63	476.7	295.6	267	39.8	82.0
HCZKW350X	35350	306.7	230.0	125	25.4	52.7	427.4	286.3	211	36.5	73.5	556.2	344.8	264	39.6	95.6
HCZKW400X	40156	357.1	267.8	115	26.9	61.4	487.3	326.5	202	36.8	83.8	635.4	393.9	266	39.5	109.3

Note:
1. Fresh air condition: Inlet air drying temperature: 35°C and dry bulb temperature: 28°C.
2. Temperature of chilled water inlet and outlet: 7°C/12°C.

The heating performance parameters of the modular air conditioning unit

Unit model	Air volume m³/h	Fresh air working condition													
		4 rows				6 rows				8 rows					
		Total heat capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h	Total heat capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h	Total heat capacity kW	Air resistance Pa	Water resistance KPa	Water volume m³/h		
HCZKW030X	3050	29.8	93	6.5	2.6	40.7	159	7.9	3.5	46.7	200	7.6	4.1		
HCZKW040X	4016	39.9	94	8.7	3.4	54.5	158	12.4	4.7	61.5	221	8.8	5.3		
HCZKW050X	5020	49.9	88	11.7	4.3	68	172	15.2	5.8	76.9	220	11.4	6.6		
HCZKW060X	6186	59.8	90	11.7	5.1	81.6	176	13.2	7	94.8	232	12.3	8.1		
HCZKW080X	8025	79.5	91	14.0	6.8	108.7	168	15.5	9.3	123.0	233	11.5	10.6		
HCZKW100X	10068	99.6	101	16.3	8.6	136	178	17.1	11.7	154.3	235	14.1	13.3		
HCZKW120X	12134	119.6	96	19.2	10.3	163	181	17.7	14	185.9	232	13.2	16.0		
HCZKW150X	15075	150.8	96	18.9	13.0	203.8	176	22.1	17.5	231.0	230	16.5	19.9		
HCZKW200X	20082	198.6	98	16.5	17.1	271.2	180	20.6	23.3	307.7	233	19.1	26.4		
HCZKW250X	25025	248.6	108	20.2	21.4	339	188	23.4	29.1	383.5	232	20.7	33.0		
HCZKW300X	30060	299.0	105	22.1	25.8	353.8	176	24.0	30.4	460.6	232	17.8	39.9		
HCZKW350X	35350	350.0	105	20.5	30.1	416.1	181	21.8	35.8	541.7	229	19.5	46.5		
HCZKW400X	40156	397.3	95	23.9	34.1	472.6	172	24.9	40.6	615.3	231	21.0	52.9		

Note:
1. Fresh air condition: Inlet air drying temperature: 7°C.
2. Inlet water temperature: 60°C and inlet and outlet water temperature difference: 10°C.

The heating performance parameters of the modular air conditioning unit

Unit model	Air volume m³/h	Return air conditions											
		4 rows				6 rows				8 rows			
		Total heat capacity kW	Air resistance Pa	Water resistance kPa	Water volume m³/h	Total heat capacity kW	Air resistance Pa	Water resistance kPa	Water volume m³/h	Total heat capacity kW	Air resistance Pa	Water resistance kPa	Water volume m³/h
HCZKW030T	3050	25.5	93	5.5	2.2	34.8	159	6.7	3	39.9	200	7.4	3.4
HCZKW040T	4016	34.1	94	7.3	2.9	46.5	158	10.4	4	52.6	221	7.4	4.5
HCZKW050T	5020	42.7	88	9.8	3.7	58.1	172	12.8	5	65.7	220	9.6	5.7
HCZKW060T	6186	51.1	90	9.8	4.4	69.7	176	11.1	6	81	232	10.4	7
HCZKW080T	8025	68.0	91	11.8	5.8	92.9	168	13.1	8	105.1	233	9.6	9
HCZKW100T	10068	85.2	101	12.8	7.3	116.2	178	14.4	10	131.9	235	11.8	11.3
HCZKW120T	12134	102.2	96	16.2	8.8	139.3	181	14.9	12	158.9	232	11.1	13.7
HCZKW150T	15075	128.9	96	15.8	11.1	174.2	176	18.5	15	197.4	230	13.9	17
HCZKW200T	20082	169.8	98	13.9	14.6	231.8	180	17.3	19.9	263.0	233	16.1	22.6
HCZKW250T	25025	212.5	108	17.0	18.3	289.7	188	19.3	24.9	327.7	232	17.4	28.2
HCZKW300T	30060	256.4	105	18.5	22.0	302.4	176	20.2	26	393.7	232	15.0	33.8
HCZKW350T	35350	299.1	105	17.3	25.7	355.6	181	18.3	30.6	463.0	229	16.3	39.8
HCZKW400T	40156	339.6	95	20.1	29.2	404.0	172	20.9	34.7	525.9	231	17.6	45.2
HCZKW500T	50562	426.7	109	21.3	36.7	508.7	178	22.6	43.7	662.2	239	15.4	56.9
HCZKW600T	60280	510.9	108	20.1	43.9	606.4	175	24.2	52.1	789.5	234	15.4	67.8
HCZKW800T	84850	677.7	109	24.8	58.2	806.4	191	26.3	69.3	1049.8	231	17.4	90.2
HCZKW1000T	100260	870.1	106	29.7	74.8	1008.6	181	31.0	86.7	1313.1	234	17.9	112.8
HCZKW1200T	121056	1048.4	109	32.5	90.1	1217.8	173	34.3	104.6	1585.4	239	17.4	136.2
HCZKW1400T	140862	1221.3	110	37.0	104.9	1417.1	178	38.8	121.8	1844.8	229	19.5	158.5
HCZKW1600T	161236	1394.3	105	42.9	119.8	1622.0	172	45.3	139.4	2111.7	236	21.6	181.4
HCZKW1800T	180650	1561.6	102	48.1	134.2	1817.4	181	52.7	156.1	2365.9	234	21.7	203.3
HCZKW2000T	201260	1673.2	102	57.0	143.8	2024.7	181	63.5	174.0	2635.8	233	25.5	226.5
HCZKW2200T	222152	1840.5	105	57.0	158.1	2234.9	173	69.8	192.0	2909.5	237	24.7	250.0
HCZKW2500T	251882	2091.5	108	63.8	179.7	2534.0	180	79.3	217.7	3298.8	239	32.5	283.4

Note:
1. Return air condition: Inlet air drying temperature: 15°C.
2. Inlet water temperature: 60°C and inlet and outlet water temperature difference: 10°C.

The steam heating performance parameters of the modular air conditioning unit

Unit model	Air volume m³/h	Return air conditions					
		1 row			2 row		
		Total heat kW	Air resistance Pa	Steam consumption kg/h	Total heat kW	Air resistance Pa	Steam consumption kg/h
HCZKW030T	3050	20.4	21	35.5	40.9	42	71.1
HCZKW040T	4016	26.9	20	46.8	53.8	40	93.6
HCZKW050T	5020	33.6	18	58.5	67.3	36	117
HCZKW060T	6186	41.4	22	72.1	82.9	44	144.1
HCZKW080T	8025	53.8	19	93.5	107.3	38	187
HCZKW100T	10068	67.5	19	117.3	134.9	38	234.6
HCZKW120T	12134	81.3	20	141.4	162.6	40	282.7
HCZKW150T	15075	101.0	22	175.6	202.0	44	351.3
HCZKW200T	20082	134.5	22	234.0	269.1	44	467.9
HCZKW250T	25025	167.7	21	291.6	335.3	42	583.1
HCZKW300T	30060	201.4	18	350.2	402.8	36	700.4
HCZKW350T	35350	236.8	22	411.8	473.7	44	823.7
HCZKW400T	40156	269.0	21	467.8	538.1	42	935.7
HCZKW050T	50562	338.8	26	589.1	677.5	52	1178.2
HCZKW060T	60280	403.9	21	702.3	807.8	42	1404.6
HCZKW080T	84850	537.0	29	933.9	1074.1	58	1867.7
HCZKW100T	100260	671.7	28	1168.1	1343.5	56	2336.2
HCZKW120T	121056	811.1	26	1410.4	1622.2	52	2820.7
HCZKW150T	140862	943.8	24	1641.1	1887.6	48	3282.2
HCZKW200T	161236	1080.3	25	1878.5	2160.6	50	3757.0
HCZKW250T	180650	1210.4	26	2014.7	2420.7	52	4209.3
HCZKW300T	201260	1348.4	28	2344.8	2696.9	56	4689.6
HCZKW350T	222152	1488.4	25	2588.2	2976.8	50	5176.4
HCZKW400T	251882	1687.6	24	2934.6	3375.2	48	5876.4

Note:
1. Return air condition: Inlet air drying temperature: 15°C.
2. Inlet steam pressure: 0.2MPa.

Steam/High-temperature water heating performance
parameters of the modular air conditioning unit

Unit model	Air volume m³/h	Fresh air conditions													
		Steam pressure0.2MPa						Hot water inlet temperature: 90°C							
		1row			2rows			2 rows				4 rows			
		Total heat kW	Air resistance Pa	Steam consumption kg/h	Total heat kW	Air resistance Pa	Steam consumption kg/h	Total heat kW	Air resistance Pa	Water resistance KPa	Water volume m³/h	Total heat kW	Air resistance Pa	Water resistance KPa	Water volume m³/h
HCZKW030X	3050	24.5	21	42.6	42.9	42	74.6	27.6	32	7.5	2.4	46	55	20	4
HCZKW040X	4016	32.3	20	56.1	56.5	40	98.3	36.3	32	8.5	3.1	60.5	55	20	5.2
HCZKW050X	5020	40.4	18	70.2	70.5	36	122.8	45.4	32	8.9	3.9	75.7	55	18	6.5
HCZKW060X	6186	49.7	22	86.5	87	44	151.3	56	32	10.2	4.8	93.3	55	22	8
HCZKW080X	8025	64.5	19	112.2	112.9	38	196.3	72.6	32	10.2	6.2	121.0	55	25	10.4
HCZKW100X	10068	80.9	19	140.8	141.7	38	246.3	91.1	32	8.5	7.8	151.8	55	22	13
HCZKW120X	12134	97.6	20	169.6	170.7	40	293.9	109.8	32	8.9	9.4	182.9	55	28	15.7
HCZKW150X	15075	121.2	22	210.8	212.1	44	368.8	136.4	32	12.1	11.7	227.3	55	26	19.5
HCZKW200X	20082	161.5	22	280.8	282.6	44	491.3	181.6	32	12.8	15.6	302.7	55	29	26
HCZKW250X	25025	201.2	21	349.9	352.1	42	612.3	226.4	32	14.8	19.5	377.3	80	28	32.4
HCZKW300X	30060	241.7	18	420.3	422.9	36	735.5	271.9	38	12.5	23.4	453.2	79	30	38.9
HCZKW350X	35350	284.2	22	494.2	497.4	44	864.9	319.7	40	15.1	27.5	532.9	78	30	45.8
HCZKW400X	40156	322.9	22	561.4	565.0	44	982.5	363.2	45	16.8	31.2	605.4	80	32	52

Note: Inlet air drying temperature: 7°C.

Pre-heater heating of modular
air conditioning unit

Unit model	Airflow m³/h	Fresh air conditions									
		Steam pressure0.2MPa						Hot water inlet temperature: 90°C			
		1row			2rows			2 rows			
		Total heat kW	Air resistance Pa	Steam consumption kg/h	Total heat kW	Air resistance Pa	Steam consumption kg/h	Total heat kW	Air resistance Pa	Water resistance KPa	Water volume m³/h
HCZKW030X	3050	27.6	21	48	48	42	83.5	32.7	32	13.5	2.8
HCZKW040X	4016	36.3	20	63.2	63.2	40	110	43.1	32	15.3	3.7
HCZKW050X	5020	45.4	18	79	79	36	137.4	53.8	32	16	4.6
HCZKW060X	6186	56	22	97.3	97.4	44	169.4	66.3	32	18.4	5.7
HCZKW080X	8025	72.6	19	126.2	126.4	38	219.7	86.0	32	18.4	7.4
HCZKW100X	10068	91.1	19	158.4	158.5	38	275.7	107.9	32	15.3	9.3
HCZKW120X	12134	109.8	20	190.8	191	40	332.2	130.1	32	16	11.2
HCZKW150X	15075	136.4	22	237.1	237.4	44	412.7	161.6	32	21.8	13.9
HCZKW200X	20082	181.6	22	315.9	316.2	44	549.8	215.3	32	23	18.5
HCZKW250X	25025	226.4	21	393.6	394	42	685.2	251.5	32	26.5	21.6
HCZKW300X	30060	271.9	18	472.8	473.3	36	823.0	302.1	38	22.5	26.0
HCZKW350X	35350	319.7	22	556.0	556.6	44	967.8	355.3	40	27.2	30.5
HCZKW400X	40156	363.2	22	631.6	632.3	44	1099.4	403.6	45	30.2	34.7

Note: Inlet air drying temperature: -12°C

Fan power reference value of modular
air conditioning unit fan section

Wind pressure unit: Pa
Power unit: kW

Unit model Cooling capacity	<300	300-400	400-500	500-600	600-700	700-800	800-900	900-1000	1000-1100
HCZKW030T	0.75	0.75	1.1	1.1	1.5	2.2	2.2	2.2	3
HCZKW040T	0.75	1.1	1.5	2.2	2.2	3	3	3	4
HCZKW050T	1.5	1.5	2.2	3	3	3	4	4	5.5
HCZKW060T	1.5	1.5	2.2	3	3	3	4	4	5.5
HCZKW080T	1.5	2.2	2.2	3	3	4	4	5.5	5.5
HCZKW100T	2.2	3	4	4	5.5	5.5	5.5	7.5	7.5
HCZKW120T	2.2	3	4	5.5	5.5	5.5	7.5	7.5	7.5
HCZKW150T	3	4	5.5	5.5	7.5	7.5	7.5	11	11
HCZKW200T	4	5.5	5.5	7.5	7.5	11	11	11	15
HCZKW250T	5.5	7.5	11	11	11	15	15	15	18.5
HCZKW300T	7.5	7.5	11	11	11	15	15	18.5	18.5
HCZKW350T	7.5	11	11	15	15	18.5	22	22	22
HCZKW400T	7.5	11	11	15	15	18.5	22	22	30
HCZKW500T	11	11	15	18.5	18.5	22	22	30	30
HCZKW600T	11	15	15	18.5	22	30	30	30	37
HCZKW800T	15	18.5	18.5	22	22	30	30	37	37
HCZKW1000T	15	18.5	22	30	30	30	37	37	45
HCZKW1200T	22	30	30	37	37	45	45	55	55
HCZKW1400T	22	30	37	37	45	55	75	75	75
HCZKW1600T		37	45	45	75	75	75	75	90
HCZKW1800T			45	55	75	75	75	90	90
HCZKW2000T				75	75	75	90	110	110
HCZKW2200T					90	90	110	110	110
HCZKW2500T							132	132	190
Unit model Cooling capacity	1100-1200	1200-1300	1300-1400	1400-1500	1500-1600	1600-1700	1700-1800	>1800	
HCZKW030T	3	3	3	4	4	4	4	5.5	
HCZKW040T	4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
HCZKW050T	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
HCZKW060T	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
HCZKW080T	7.5	7.5	11	11	11	11	11	11	
HCZKW100T	7.5	7.5	11	11	11	11	11	11	
HCZKW120T	7.5	11	11	11	11	11	11	11	
HCZKW150T	11	11	15	15	15	15	15	15	
HCZKW200T	15	15	15	15	18.5	18.5	18.5	18.5	
HCZKW250T	18.5	18.5	18.5	22	22	22	22	22	
HCZKW300T	18.5	22	30	30	30	30	30	30	
HCZKW350T	30	30	30	30	30	30	30	30	
HCZKW400T	30	30	30	37	37	37	37	37	
HCZKW500T	30	37	37	45	45	45	45	45	
HCZKW600T	37	37	45	45	45	55	55	55	
HCZKW800T	45	45	45	45	55	75	75	75	
HCZKW1000T	45	55	55	55	75	75	75	75	
HCZKW1200T	55	75	75	75	75	90	90	90	
HCZKW1400T	75	75	90	90	90	110	110	110	
HCZKW1600T	90	90	90	110	110	132	132	132	
HCZKW1800T	90	90	110	110	132	132	132	160	
HCZKW2000T	110	110	132	132	132	160	160	160	
HCZKW2200T	132	132	132	160	160				
HCZKW2500T	160	160							

柜式空调机组

Cabinet-type Air Handling Unit



Product features



The box air leakage rate is small

The box frame is of aluminum alloy profile skeleton, and the wallboard is of polyurethane integral foaming. The structure is rust-proof, anti-corrosion, attractive and durable, with box air leakage rate being small.



High-quality surface air cooler

The surface air cooler is of high-quality seamless copper tube and high-purity aluminum foil. Based on the advanced mechanical or hydraulic tube expansion process, it undergoes 2.8MPa pressure seal leak test after being tightly integrated, with performance meeting the American ARL standard and superior product performance and reliable quality ensured.



Outer rotor centrifugal fan

The low-noise high-efficiency outer rotor centrifugal fan is adopted. Upon precision dynamic balance correction, the unit running smoothly is ensured, with low noise, low vibration, superior performance and other characteristics.



Air Filter

The special plate filter can be easily pulled out of the left and right as well as upward and downward sides of the unit and is particularly suitable for maintenance cleaning in tight space. The filter material can be of polyamide concave and convex mesh or non-woven material.

Place of use

1. Commercial Office Buildings: Commonly used in office spaces, conference rooms, and lobbies of commercial office buildings. It can be easily installed in the ceiling, saving indoor space while providing a comfortable indoor environment.
2. Shopping Malls and Retail Stores: Suitable for sales areas, office spaces, and public areas in shopping malls and retail stores. It provides uniform air conditioning effects to meet the comfort needs of both customers and employees.
3. Restaurants and Hotels: Often used in dining areas, guest rooms, and lobbies of restaurants and hotels. It offers quiet operation and uniform air conditioning, creating a comfortable dining and accommodation environment for customers.
4. Hospitals and Clinics: Suitable for patient rooms, operating rooms, and waiting areas in hospitals and clinics. It provides clean, quiet, and comfortable air conditions, meeting the needs of medical services.
5. Schools: Commonly used in classrooms, laboratories, and libraries in schools. It provides good air quality and a comfortable learning environment, promoting better learning outcomes for students.



机组基本参数

UNIT PARAMETERS

Main technical parameters of ceiling cabinet type air conditioning unit

Unit model	Rated Air volume m³/h	Margin blast pressure Pa			Fan			Weight kg			Machine noise dB(A)
		4 rows	6 rows	8 rows	Form	Power	Number of sets	4 rows	6 rows	8 rows	
HCGD010B	1000	200	150	100	Outer rotor direct centrifugal fan	0.32	1	66	69	72	58
HCGD020B	2000	200	150	100		0.37	1	77	81	85	59
HCGD025B	2500	250	200	150		0.45	1	80	84	89	59
HCGD030B	3000	250	200	150		0.55	1	92	98	103	60
HCGD040B	4000	250	200	150		0.45*2	2	116	124	131	61
HCGD050B	5000	300	250	200		0.55*2	2	129	138	147	62
HCGD060B	6000	300	250	200		0.55*2	2	142	153	164	63
HCGD080B	8000	300	250	200		1.1*2	2	169	183	196	64
HCGD100B	10000	350	300	250		1.3*2	2	225	241	257	68
HCGD125B	12500	350	300	250		1.8*2	2	249	267	286	69
HCGD150B	15000	400	350	300		2.2*2	2	295	317	338	73

Main technical parameters of ceiling cabinet type jet-flow air conditioning unit

Unit model	Rated Air volume m³/h	Range	Fan					Weight kg			Machine noise dB(A)
			Form	Number of sets	Power kw						
					4 rows	6 rows	8rows	4 rows	6 rows	8rows	
HCGD010S	1000	~16	Outer rotor direct centrifugal fan	1	0.32	0.45	0.45	68	71	74	58
HCGD020S	2000	~20		1	0.37	0.45	0.45	78	82	86	59
HCGD025S	2500	~20		1	0.45	0.45	0.55	81	86	91	59
HCGD030S	3000	~21		1	0.55	0.75	0.75	93	99	105	60
HCGD040S	4000	~20		2	0.37*2	0.45*2	0.45*2	117	124	132	61
HCGD050S	5000	~20		2	0.45*2	0.45*2	0.55*2	130	139	148	62
HCGD060S	6000	~21		2	0.55*2	0.75*2	0.75*2	143	154	164	63
HCGD080S	8000	~21		3	0.45*3	0.45*3	0.55*3	169	183	198	64
HCGD100S	10000	~28		3	0.75*3	0.75*3	1.8*3	228	245	261	68
HCGD125S	12500	~30		3	1.1*3	1.1*3	1.1*3	252	270	290	69
HCGD150S	15000	~32		3	1.1*3	1.5*3	1.5*3	298	320	342	73

Ceiling cabinet type air conditioning unit
(including jet-flow type) heat exchanger cooling
capacity (return air working condition)

Unit model	Rated Air volume m³/h	Inlet Conditions：DB=27°C WB=19.5°C								
		Cooling capacity kW			Water Flow m³/h			Water Resistance kPa		
		4 rows	6 rows	8 rows	4 rows	6 rows	8 rows	4 rows	6 rows	8 rows
HCGD010B/SH	1000	6.3	8.5	10.9	1.2	1.62	2.08	6.8	10.1	11.8
HCGD020B/SH	2000	11.2	15.2	19.5	2.12	2.88	3.69	7.2	11.9	13
HCGD025B/SH	2500	13.9	18.9	24.6	2.63	3.58	4.66	7.6	12.5	14.2
HCGD030B/SH	3000	16.8	22.8	29.5	3.18	4.32	5.59	8.1	12.8	16.2
HCGD040B/SH	4000	22.1	30.2	39.3	4.19	5.72	7.44	9.2	13.5	18.7
HCGD050B/SH	5000	27.6	37.7	49.1	5.23	7.14	9.29	9.8	13.6	20.1
HCGD060B/SH	6000	33.2	45.3	60.6	6.29	8.57	11.47	10.4	16.6	24.2
HCGD080B/SH	8000	49.6	66.4	82.6	9.39	12.57	15.63	10.6	16.7	24.2
HCGD100B/SH	10000	57.6	78.7	93.9	10.9	14.89	17.77	11.3	17.8	23.9
HCGD125B/SH	12500	72.5	91.7	117.1	13.72	17.36	22.16	12	17.5	24.5
HCGD150B/SH	15000	87	110	140.5	16.46	20.81	26.58	12.4	18.5	26.3

Note: Inlet temperature: 7°C and inlet and outlet water temperature difference: 5°C.

Ceiling cabinet type air conditioning unit
(including jet-flow type) heat exchanger heating
capacity (return air working condition)

Unit model	Rated Air volume m³/h	Inlet Conditions：DB=15°C								
		Heat capacity kW			Water Flow m³/h			Water Resistance kPa		
		4 rows	6 rows	8 rows	4 rows	6 rows	8 rows	4 rows	6 rows	8 rows
HCGD010B/SH	1000	11.6	15.3	18.7	2.21	2.89	3.54	5.5	8.3	9.7
HCGD020B/SH	2000	18.3	25.3	32.5	3.47	4.79	6.15	7.2	11.9	13
HCGD025B/SH	2500	23.2	31.5	41.1	4.39	5.96	7.78	7.6	12.5	14.2
HCGD030B/SH	3000	28.1	38.5	50.2	5.32	7.29	9.5	8.1	12.8	16.2
HCGD040B/SH	4000	37.6	51.8	68.9	7.12	9.8	13.04	9.2	13.5	18.7
HCGD050B/SH	5000	45.6	62.4	79.1	8.63	11.81	14.97	9.8	13.6	20.1
HCGD060B/SH	6000	54.3	75.4	84	10.28	14.27	15.89	10.4	16.6	24.2
HCGD080B/SH	8000	80.8	96.1	119.5	15.29	18.18	22.61	10.6	16.7	24.2
HCGD100B/SH	10000	96	110.6	139.6	18.16	20.93	26.41	11.3	17.8	23.9
HCGD125B/SH	12500	121.9	151.5	176.5	23.06	28.67	33.39	12	17.5	24.5
HCGD150B/SH	15000	145.8	181.7	211.9	27.59	34.38	40.09	12.4	18.5	26.3

Note: Inlet water temperature: 60°C.

Ceiling cabinet type air conditioning unit
(including jet-flow type) heat exchanger cooling
capacity (fresh air working condition)

Unit model	Rated Air volume m³/h	Inlet Conditions：DB=35°C WB=27.5°C								
		Heat capacity kW			Water Flow m³/h			Water Resistance kPa		
		4 rows	6 rows	8 rows	4 rows	6 rows	8 rows	4 rows	6 rows	8 rows
HCGD010B/SX	1000	16.0	18.3	19.4	2.92	3.35	3.67	10.4	15.5	18.1
HCGD020B/SX	2000	27.2	31.2	34.8	4.96	5.72	6.59	12.96	21.42	23.4
HCGD025B/SX	2500	32.1	38.8	43.5	5.86	7.11	8.23	13.68	22.5	25.56
HCGD030B/SX	3000	39.7	46.1	52.6	7.24	8.45	9.96	14.58	23.04	29.16
HCGD040B/SX	4000	49.9	63.7	70.1	9.1	11.67	13.27	16.56	24.3	33.66
HCGD050B/SX	5000	64.3	77.3	88.1	11.73	14.16	16.67	17.64	24.48	36.18
HCGD060B/SX	6000	73.8	93.6	104.5	13.46	17.15	19.77	18.72	29.88	43.56
HCGD080B/SX	8000	101.6	121.3	140.1	18.53	22.22	26.51	19.08	30.06	43.56
HCGD100B/SX	10000	126.2	153.3	176.2	23.01	28.08	33.34	20.34	32.04	43.02
HCGD125B/SX	12500	156.7	193.7	220.7	28.58	35.49	41.75	21.6	31.56	44.16
HCGD150B/SX	15000	194.5	240.3	267.9	35.46	44.02	50.68	22.32	33.3	47.34

Note: Inlet temperature: 7°C and inlet and outlet water temperature difference: 5°C.

Ceiling cabinet type air conditioning unit
(including jet-flow type) heat exchanger heating
capacity (fresh air working condition)

Unit model	Rated Air volume m³/h	Inlet Conditions：DB=7°C								
		Heat capacity kW			Water Flow m³/h			Water Resistance kPa		
		4 rows	6 rows	8 rows	4 rows	6 rows	8 rows	4 rows	6 rows	8 rows
HCGD010B/SX	1000	15.3	17.5	19.4	2.89	3.31	3.68	10.04	14.91	17.42
HCGD020B/SX	2000	21.4	29.5	32	4.05	5.59	6.06	12.96	21.42	23.4
HCGD025B/SX	2500	27.2	36.9	39.4	5.15	6.99	7.46	13.68	22.5	25.56
HCGD030B/SX	3000	32.8	45.1	48.1	6.21	8.54	9.1	14.58	23.04	29.16
HCGD040B/SX	4000	44	60.3	64.2	8.33	11.41	12.15	16.56	24.3	33.66
HCGD050B/SX	5000	53.2	70.2	79.3	10.07	13.28	15.01	17.64	24.48	36.18
HCGD060B/SX	6000	63.5	88.2	96.2	12.02	16.69	18.2	18.72	29.88	43.56
HCGD080B/SX	8000	94.6	116	127.9	17.9	21.95	24.2	19.08	30.06	43.56
HCGD100B/SX	10000	112.3	142.3	160.1	21.25	26.92	30.29	20.34	32.04	43.02
HCGD125B/SX	12500	143.2	177.7	189.5	27.09	33.62	35.85	21.42	30.96	43.56
HCGD150B/SX	15000	170.9	212.6	239	32.33	40.22	45.22	22.32	33.3	47.34

Note: Inlet water temperature is 60°C.

Performance parameters of vertical cabinet air conditioning unit

Unit model	Air volume m ³ /h	Return air working condition														
		4 rows					6 rows					8 rows				
		Total heat capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m ³ /h	Total heat capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m ³ /h	Total heat capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m ³ /h
HCGL030BH	3050	16.9	12.6	103	6	2.9	23	15.4	179	7.3	4	26.5	16.4	225	8.1	4.6
HCGL040BH	4016	22.6	16.9	104	7.9	3.9	30.8	20.6	178	11.4	5.3	34.8	21.6	246	8.1	6
HCGL050BH	5020	28.3	21.2	98	10.7	4.9	38.5	25.8	192	13.9	6.6	43.5	27	245	10.1	7.5
HCGL060BH	6168	33.8	25.4	100	11.5	5.8	46.2	30.9	196	12.1	7.9	53.7	33.3	257	11.3	9.2
HCGL080BH	8025	45.0	33.8	101	12.9	7.7	61.5	41.2	188	14.2	10.6	69.6	43.2	258	10.5	12
HCGL100BH	10068	56.4	42.3	111	14.0	9.7	77.0	51.6	198	15.7	13.2	87.3	54.1	260	12.9	15
HCGL120BH	12134	67.7	50.8	106	17.6	11.6	92.3	61.8	201	16.2	15.9	105.2	65.3	257	12.1	18
HCGL150BH	15075	85.3	64.0	106	18.0	14.7	115.4	77.3	196	20.2	19.8	130.8	81.1	255	15.1	22.5
HCGL200BH	20082	112.4	84.3	108	18.3	19.3	153.5	102.8	200	18.8	26.4	174.2	108.0	258	17.5	30
HCGL250BH	25025	140.7	105.5	118	18.5	24.2	191.9	128.5	208	21.4	33.0	217.1	134.6	257	18.9	37.3
HCGL300BH	30060	169.8	127.3	115	20.2	29.2	200.3	134.2	196	22.0	34.4	260.7	161.6	257	16.3	44.8
HCGL350BH	35350	198.1	148.6	115	21.0	34.1	235.5	157.8	201	20.0	40.5	306.8	190.1	254	17.8	52.7
HCGL400BH	40156	224.9	168.7	105	21.9	38.7	267.5	179.2	192	22.8	46.0	348.3	215.9	256	19.2	59.9

Notes:
1. Return air condition: Inlet air drying temperature: 27°C and wet bulb temperature: 19.5°C.
2. Chilled water inlet and outlet temperature: 7°C/12°C.

Unit model	Air volume m ³ /h	Fresh air working condition														
		4 rows					6 rows					8 rows				
		Total heat capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m ³ /h	Total heat capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m ³ /h	Total heat capacity kW	Sensible cooling capacity kW	Air resistance Pa	Water resistance KPa	Water volume m ³ /h
HCGL030BX	3050	24.5	18.4	113	12.8	4.2	33.6	22.5	189	16.2	5.8	43.6	27	235	18.8	7.5
HCGL040BX	4016	32.4	24.3	114	13.1	5.6	43.7	29.3	188	21.5	7.5	57.6	35.7	256	21.9	9.9
HCGL050BX	5020	40.8	30.6	108	14.8	7	55.7	37.3	202	22.3	9.6	72.7	45.1	255	23.7	12.5
HCGL060BX	6186	49	36.8	110	13.2	8.4	67	44.9	206	25.1	11.5	87.2	54.1	267	28.3	15
HCGL080BX	8025	65.4	49.1	111	16.3	11.2	90.9	60.9	198	30.7	15.6	116.3	72.1	268	31.9	20
HCGL100BX	10068	88.2	66.2	121	18.4	15.2	112.2	75.2	208	34.5	19.3	156.9	97.3	270	37.7	27
HCGL120BX	12134	105.8	79.4	116	19.6	18.2	134.6	90.2	211	37.3	23.2	188.3	116.7	267	40.3	32.4
HCGL150BX	15075	134.2	100.7	116	20.2	23.1	170.9	114.5	206	40.8	29.4	238.7	148.0	265	44.5	41.1
HCGL200BX	20082	180.4	165.3	118	20.2	31.0	244.2	163.6	210	23.7	42	320.9	199.0	268	25.9	55.2
HCGL250BX	25025	226.8	170.1	128	22.5	39.0	304.7	204.1	218	31.1	52.4	403.5	250.2	267	33.9	69.4
HCGL300BX	30060	262.9	197.2	125	24.8	45.2	366.3	245.4	206	36.5	63	476.7	295.6	267	39.8	82.0
HCGL350BX	35350	306.7	230.0	125	25.4	52.7	427.4	286.3	211	36.5	73.5	556.2	344.8	264	39.6	95.6
HCGL400BX	40156	357.1	267.8	115	26.9	61.4	487.3	326.5	202	36.8	83.8	635.4	393.9	266	39.5	109.3

Notes:
1. Return air condition: Inlet air drying temperature: 35°C and wet bulb temperature: 28°C.
2. Temperature of chilled water inlet and outlet: 7°C/12°C.

直膨式空调机组
Direct expansion air conditioning uni



Product features



Compact structure

The unit is of compact structure, with heat and cold source. It falls into air cooling direct evaporation expansion type air conditioning equipment. The whole air conditioning system is only constituted by outdoor host and indoor unit, with cooling water and chilled water systems not required. With easy installation and use, it saves user investment and is especially suitable for water-deficient areas.



Rational design

The air conditioning indoor system has no moving machinery and water pipes, avoiding noise and water leakage troubles.



Easy installation

The unit is designed to be of roof or outdoor open space open-air installation and use, has anti-sun exposure, rust protection, protection against rain and other properties as well as can save air-conditioning plant room and civil engineering costs.



High heat exchange efficiency

The refrigeration system of the unit is efficient and reliable and can meet all types of air conditioning requirements. The finned heat exchanger is used for evaporator and condenser, with high heat transfer efficiency.



High degree of automation

The unit is with a full computer control and a high degree of automation, and a small number of control lines and main power cords are only needed at the site.



The direct expansion air conditioning unit is of refrigerant directly exchanging heat with the air to be treated and no secondary heat transfer midway (namely refrigerant-air).

Place of use

It is widely used in new and reconstructed industrial and civil building air conditioning projects, such as: textile and garment making, machine manufacturing, metallurgical chemical industry, electronics and electricity, medical pharmaceutical, broadcast hall, shopping mall, recreational center, movie theater and stadium.



机组基本参数
UNIT PARAMETERS

Parameter Table of Ceiling Type Direct Expansion Air Conditioning Unit Series (return air)

Model	Indoor unit			HCZP RFD13	HCZP RFD18	HCZP RFW25	HCZP RFW30	HCZP RFW38	HCZP RFW50	HCZP RFW63
	Outdoor unit	Name		HCZP 13WA	HCZP 18WA	HCZP 25WA	HCZP 30WA	HCZP 38WA	HCZP 50WA	HCZP 63WA
		Quantity		1	1	1	1	1	1	1
Rated cooling capacity		kW	12.5	17.5	25	30	37.5	50	62.5	
Rated heat		kW	17.3	24.3	33.4	40.3	51.1	66.8	85.0	
Power supply			380V/3N ~ 50Hz							
Indoor unit	Air volume		m³/h	2500	3500	5000	6000	7500	10000	12500
	Boundary dimension	Length	mm	840	840	840	840	840	1040	2040
		Width	mm	1040	1440	1440	1640	2040	2040	1040
		Height	mm	580	580	680	680	680	895	895
	Dimension of adapter tube	Air pipe	mm	19.5 (3/4 ")	22.2 (7/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ") *2	34.9 (1-3/8 ")
		Liquid pipe	mm	12.7 (1/2 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	19.5 (3/4 ")	15.88 (5/8 ") *2	22.2 (7/8 ")
Outdoor unit	Compressor		Completely enclosed scroll compressor							
	Fan power		kW	0.46	0.46	0.46	0.6	0.92	1.2	1.2
	Refrigeration input power		kW	5.2	5.2	9.00	10.90	14.52	18.00	23.70
	Heating input power		kW	3.94	3.94	7.40	8.09	10.76	14.80	17.80
	Maximum operating power		kW	5.47	5.47	9.45	11.45	15.25	18.90	24.89
	Boundary dimension	Length	mm	1000	1000	1000	1000	2000	2000	2000
		Width	mm	850	850	850	850	850	850	850
		Height	mm	1145	1145	1695	1695	1720	1720	1720
Refrigerant			R410A							
Noise		dB(A)	45	47	49	52	54	55	60	
Condensate pipe		DN	25	25	25	25	25	25	25	

Notes:

1. The rated cooling capacity is measured at the nominal air volume, indoor wet and dry bulb temperature: 27/19° C and outdoor wet and dry bulb temperature: 35/28° C;

3. As for the rated cooling capacity, no heat loss of the fan motor is taken into account, and the external static pressure can be determined in light of customer requirements;

5. Unit performance test piping conditions: equivalent refrigerant tube length: 7.5m(horizontal);

7 The outdoor units shown in the parameter table is delivered with refrigerant;

2. The rated heating capacity is measured at the nominal air volume, indoor wet and dry bulb temperature: 20/15°C and outdoor wet and dry bulb temperature: 7/6°C;

4. The boundary dimension of the outdoor unit in the parameter table is the boundary dimension of a single unit;

6. Ambient temperature range for outdoor unit operation: Refrigeration: -5~50°C and heating: -20~25°C;

8. Technical parameters are subject to change without prior notice due to product improvement. Please refer to the unit nameplate.

Parameter Table of Ceiling Type Direct Expansion Air Conditioning Unit Series (fresh air)

Model	Indoor unit		HCZP RFD13X	HCZP RFD18X	HCZP RFD25X	HCZP RFD30X	HCZP RFD38X	HCZP RFD50X	HCZP RFD63X	
	Outdoor unit	Name	HCZP 13WA	HCZP 18WA	HCZP 25WA	HCZP 30WA	HCZP 38WA	HCZP 50WA	HCZP 63WA	
		Quantity	1	1	1	1	1	1	1	1
Rated cooling capacity		kW	12.5	17.5	25	30	37.5	50	62.5	
Rated heat		kW	13.5	20.4	28.5	33.0	41	52	68	
Power supply			380V/3N ~ 50Hz							
Indoor unit	Air volume		m³/h	1875	2625	3750	4500	5625	7500	9375
	Boundary dimension	Length	mm	840	840	840	840	840	1040	2040
		Width	mm	1040	1440	1440	1640	2040	2040	1040
		Height	mm	580	580	680	680	680	895	895
	Dimension of adapter tube	Air pipe	mm	19.5 (3/4 ")	22.2 (7/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ") *2	34.9 (1-3/8 ")
		Liquid pipe	mm	12.7 (1/2 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	19.5 (3/4 ")	15.88 (5/8 ") *2	22.2 (7/8 ")
Outdoor unit	Compressor		Completely enclosed scroll compressor							
	Fan power		kW	0.46	0.46	0.6	0.6	0.92	1.2	1.2
	Refrigeration input power		kW	5.2	7.2	9.00	10.9	14.5	18.00	23.7
	Heating input powe		kW	3.9	5.3	7.4	8.1	10.8	14.8	17.8
	Maximum operating ower		kW	5.5	7.6	9.5	11.4	15.2	18.90	24.9
	Boundary dime nsion	Length	mm	1000	1000	1000	1000	2000	2000	2000
		Width	mm	850	850	850	850	850	850	850
		Height	mm	1145	1145	1695	1695	1720	1720	1720
Refrigerant			R410A							
Noise		dB(A)	42	43	45	46	49	49	52	
Condensate pipe		DN	25	25	25	25	25	25	25	

Notes:

1. The rated cooling capacity is measured at the nominal air volume and outdoor wet and dry bulb temperature: 35/28°C;

3. As for the rated cooling capacity, no heat loss of the fan motor is taken into account, and the external static pressure can be determined in light of customer requirements;

5. Unit performance test piping conditions: equivalent refrigerant tube length: 7.5m(horizontal);

7 The outdoor units shown in the parameter table is delivered with refrigerant;

2. The rated heating capacity is measured at the nominal air volume and outdoor wet and dry bulb temperature: 7/6°C;

4. The boundary dimension of the outdoor unit in the parameter table is the boundary dimension of a single unit;

6. Ambient temperature range for outdoor unit operation: cooling: 15~50°C, heating: -5~25°C and heating: -15~25°C (with electric preheating);

8. Technical parameters are subject to change without prior notice due to product improvement. Please refer to the unit nameplate.

Parameter Table of Vertical Cabinet Type Direct Expansion Air Conditioning Unit Series (return air)

Model	Indoor unit			HCZP RFL22	HCZP RFL30	HCZP RFL35	HCZP RFL45	HCZP RFL60	HCZPR FL70	HCZP RFL100	HCZP RFL150	HCZP RFL220
	Outdoor unit	Name		HCZP 22WA	HCZP 30WA	HCZP 35WA	HCZP 45WA	HCZP 60WA	HCZP 70WA	HCZP 60WA	HCZP 70WA	HCZP 70WA
		Quantity		1	1	1	1	1	1	2	2	3
Rated cooling capacity		kW	21.6	27.6	34.6	43.9	54.8	68.2	99.7	138.1	207.4	
Rated heat		kW	28.8	36.6	45.85	57.4	72.8	90.7	135.7	183.1	274.9	
Power supply			380V/3N ~ 50Hz									
Indoor unit	Air volume		m ³ /h	5000	5600	6700	9000	10000	13600	20000	27000	41000
	Boundary dimension	Length	mm	840	1045	1045	1045	1045	1045	1245	1245	1245
		Width	mm	1040	1445	1440	1445	2045	2045	2245	2445	3045
		Height	mm	580	1645	1845	2045	2045	2045	2245	2545	2845
	Dimension of adapter tube	Air pipe	mm	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")
		Liquid pipe	mm	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")
	Compressor			Completely enclosed scroll compressor								
Outdoor unit	Fan power		kW	0.45	0.55	0.75	0.75	1.1	1.5	2.2	4.4	6.6
	Refrigeration input power		kW	0.55	0.75	0.75	1.1	1.5	2.2	3	4.4	6.6
	Heating input power		kW	0.55	0.75	0.75	1.1	1.5	2.2	3	4.4	6.6
	Maximum operating power		kW	0.55	0.75	0.75	1.1	1.5	2.2	3	4.4	6.6
	Boundary dimension	Length	mm	850	850	850	850	850	1680	1680	1680	1680
		Width	mm	850	850	850	850	850	850	850	850	850
		Height	mm	1600	1600	1650	1695	1700	1700	1700	1700	1700
Refrigerant			R410A									
Noise		dB(A)	51	53	54	56	58	61	75	77	81	
Condensate pipe		DN	25	25	25	25	25	25	32	32	32	

Notes:

1. The rated cooling capacity is measured at the nominal air volume, indoor wet and dry bulb temperature: 27/19°C and outdoor wet and dry bulb temperature: 35/28°C;

2. The rated heating capacity is measured at the nominal air volume, indoor wet and dry bulb temperature: 20/15°C and outdoor wet and dry bulb temperature: 7/6°C;

3. As for the rated cooling capacity, no heat loss of the fan motor is taken into account, and the external static pressure can be determined in light of customer requirements;

4. The boundary dimension of the outdoor unit in the parameter table is the boundary dimension of a single unit;

5. Unit performance test piping conditions: equivalent refrigerant tube length: 7.5m(horizontal);

6. Ambient temperature range for outdoor unit operation: Refrigeration: -5~50°C and heating: -20~25°C;

7 The outdoor units shown in the parameter table is delivered with refrigerant;

8. Technical parameters are subject to change without prior notice due to product improvement. Please refer to the unit nameplate.

Parameter Table of Vertical Cabinet Type Direct Expansion Air Conditioning Unit Series (fresh air)

Model	Indoor unit			HCZP RFL22X	HCZP RFL30X	HCZP RFL35X	HCZP RFL45X	HCZP RFL60X	HCZP RFL70X	HCZP RFL100X	HCZP RFL150X	HCZP RFL220X	HCZP RFL300X
	Outdoor unit	Name	HCZP 22WA	HCZP 30WA	HCZP 35WA	HCZP 45WA	HCZP 60WA	HCZP 70WA	HCZP 60WA	HCZP 70WA	HCZP 70WA	HCZP 70WA	
		Quantity	1	1	1	1	1	1	1	2	2	3	4
Rated cooling capacity		kW	21.6	27.6	34.6	43.9	54.8	68.2	99.7	138.1	207.4	278.6	
Rated heat		kW	18.9	23.9	30.2	38.2	47.1	59.1	86.8	119.7	180.2	240.6	
Power supply			380V/3N ~ 50Hz										
Indoor unit	Air volume		m³/h	2500	3000	3500	4500	5500	7000	10000	20000	20000	27000
	Boundary dimension	Length	mm	845	845	845	845	1045	1045	1045	1245	1245	1245
		Width	mm	1045	1045	1045	1045	1445	1445	1445	2445	2245	2445
		Height	mm	1345	1345	1445	1645	1645	1845	2045	2245	2245	2545
	Dimension of adapter tube	Air pipe	mm	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")
		Liquid pipe	mm	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")
Outdoor unit	Compressor			Completely enclosed scroll compressor									
	Fan power		kW	0.45	0.55	0.75	0.75	1.1	1.5	2.2	4.4	6.6	8.8
	Refrigeration input power		kW	6.95	8.75	10.75	13.1	17.5	22.2	32.6	44.4	66.6	88.8
	Heating input power		kW	7.75	9.75	12	14.6	19.5	24.7	36.3	49.4	74.1	98.8
	Maximum operating power		kW	9.35	11.75	14.5	17.6	23.5	29.7	43.7	59.4	89.1	118.8
	Boundary dimension	Length	mm	850	850	850	850	850	1680	1680	1680	1680	1680
		Width	mm	850	850	850	850	850	850	850	850	850	850
		Height	mm	1600	1600	1650	1650	1700	1700	1700	1700	1700	1700
	Refrigerant			R410A									
	Noise		dB(A)	42	44	46	53	51	54	58	61	75	77
Condensate pipe		DN	25	25	25	25	25	25	25	25	32	32	

Notes:

1. The rated cooling capacity is measured at the nominal air volume and outdoor wet and dry bulb temperature: 35/28°C;

2. The rated heating capacity is measured at the nominal air volume and outdoor wet and dry bulb temperature: 7/6°C;

3. As for the rated cooling capacity, no heat loss of the fan motor is taken into account, and the external static pressure can be determined in light of customer requirements;

4. The boundary dimension of the outdoor unit in the parameter table is the boundary dimension of a single unit;

5. Unit performance test piping conditions: equivalent refrigerant tube length: 7.5m(horizontal);

6. Ambient temperature range for outdoor unit operation: cooling: 15~50°C, heating: -5~25°C and heating: -15~25°C (with electric preheating);

7 The outdoor units shown in the parameter table is delivered with refrigerant;

8. Technical parameters are subject to change without prior notice due to product improvement. Please refer to the unit nameplate.

Parameter Table of Horizontal Direct Expansion
Air Conditioning Unit Series (return air)

Model	Indoor unit		HCZP RFW22	HCZP RFW30	HCZP RFW35	HCZP RFW45	HCZP RFW60	HCZP RFW70	HCZP RFW100	HCZP RFW150	HCZP RFW220	
	Outdoor unit	Name	HCZP 22WA	HCZP 30WA	HCZP 35WA	HCZP 45WA	HCZP 60WA	HCZP 70WA	HCZP 60WA	HCZP 70WA	HCZP 70WA	
		Quantity	1	1	1	1	1	1	1	2	2	3
Rated cooling capacity		kW	21.6	27.6	34.6	43.9	54.8	68.2	99.7	138.1	207.4	
Rated heat		kW	28.8	36.6	45.85	57.4	72.8	90.7	135.7	183.1	274.9	
Power supply			380V/3N~50Hz									
Indoor unit	Air volume		m³/h	5000	5600	6700	9000	10000	13600	20000	27000	41000
	Boundary dimension	Length	mm	Confirmation according to the module of the function segment								
		Width	mm	1045	1445	1445	1445	1645	1845	2045	2445	2845
		Height	mm	1045	1045	1045	1245	1245	1445	1645	1845	2245
	Dimension of adapter tube	Air pipe	mm	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")
		Liquid pipe	mm	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")
Outdoor unit	Compressor		Completely enclosed scroll compressor									
	Fan power		kW	0.45	0.55	0.75	0.75	1.1	1.5	2.2	4.4	6.6
	Refrigeration input power		kW	6.95	8.75	10.75	13.1	17.5	22.2	35	44.4	66.6
	Heating input power		kW	7.75	9.75	12	14.6	19.5	24.7	39	49.4	74.1
	Maximum operating power		kW	9.35	11.75	14.5	17.6	23.5	29.7	47	59.4	89.1
	Boundary dimension	Length	mm	850	850	850	850	850	1680	1680	1680	1680
		Width	mm	850	850	850	850	850	850	850	850	850
		Height	mm	1600	1600	1650	1650	1700	1700	1700	1700	1700
Refrigerant			R410A									
Noise		dB(A)	51	53	54	56	58	61	75	77	81	
Condensate pipe		DN	25	25	25	25	25	25	32	32	32	

Notes:
1. The rated cooling capacity is measured at the nominal air volume, indoor wet and dry bulb temperature: 27/19° C and outdoor wet and dry bulb temperature: 35/28° C;
3. As for the rated cooling capacity, no heat loss of the fan motor is taken into account, and the external static pressure can be determined in light of customer requirements;
5. Unit performance test piping conditions: equivalent refrigerant tube length: 7.5m(horizontal);
7 The outdoor units shown in the parameter table is delivered with refrigerant;

2. The rated heating capacity is measured at the nominal air volume, indoor wet and dry bulb temperature: 20/15° C and outdoor wet and dry bulb temperature: 7/6° C;
4. The boundary dimension of the outdoor unit in the parameter table is the boundary dimension of a single unit;
6. Ambient temperature range for outdoor unit operation: Refrigeration: -5~50°C and heating: -20~25°C;
8. Technical parameters are subject to change without prior notice due to product improvement. Please refer to the unit nameplate.

Parameter Table of Horizontal Direct Expansion
Air Conditioning Unit Series (fresh air)

Model	Indoor unit		HCZP RFW22X	HCZP RFW30X	HCZP RFW35X	HCZP RFW45X	HCZP RFW60X	HCZP RFL70X	HCZP RFL100X	HCZP RFW150X	HCZP RFW220X	HCZP RFW300X	
	Outdoor unit	Name	HCZP 22WA	HCZP 30WA	HCZP 35WA	HCZP 45WA	HCZP 60WA	HCZP 70WA	HCZP 60WA	HCZP 70WA	HCZP 70WA	HCZP 70WA	
		Quantity	1	1	1	1	1	1	1	2	2	3	4
Rated cooling capacity		kW	21.6	27.6	34.6	43.9	54.8	68.2	99.7	138.1	207.4	278.6	
Rated heat		kW	18.9	23.9	30.2	38.2	47.1	59.1	86.8	119.7	180.2	240.6	
Power supply			380V/3N~50Hz										
Indoor unit	Air volume		m³/h	2500	3000	3500	4500	5500	7000	10000	20000	20000	27000
	Boundary dimension	Length	mm	Confirmation according to the module of the function segment									
		Width	mm	1045	1045	1045	1045	1445	1445	1645	1845	2045	2445
		Height	mm	845	845	845	1045	1045	1045	1245	1445	1645	1845
	Dimension of adapter tube	Air pipe	mm	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")
		Liquid pipe	mm	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")
Outdoor unit	Compressor		Completely enclosed scroll compressor										
	Fan power		kW	0.45	0.55	0.75	0.75	1.1	1.5	2.2	4.4	6.6	8.8
	Refrigeration input power		kW	6.95	8.75	10.75	13.1	17.5	22.2	32.6	44.4	66.6	88.8
	Heating input power		kW	7.75	9.75	12	14.6	19.5	24.7	36.3	49.4	74.1	98.8
	Maximum operating power		kW	9.35	11.75	14.5	17.6	23.5	29.7	43.7	59.4	89.1	118.8
	Boundary dimension	Length	mm	850	850	850	850	850	1680	1680	1680	1680	1680
		Width	mm	850	850	850	850	850	850	850	850	850	850
		Height	mm	1600	1600	1650	1650	1700	1700	1700	1700	1700	1700
Refrigerant			R410A										
Noise		dB(A)	42	44	46	53	51	54	58	61	75	77	
Condensate pipe		DN	25	25	25	25	25	25	25	25	32	32	

Notes:
1. The rated cooling capacity is measured at the nominal air volume and outdoor wet and dry bulb temperature: 35/28°C;
3. As for the rated cooling capacity, no heat loss of the fan motor is taken into account, and the external static pressure can be determined in light of customer requirements;
5. Unit performance test piping conditions: equivalent refrigerant tube length: 7.5m(horizontal);
7 The outdoor units shown in the parameter table is delivered with refrigerant;

2. The rated heating capacity is measured at the nominal air volume and outdoor wet and dry bulb temperature: 7/6° C;
4. The boundary dimension of the outdoor unit in the parameter table is the boundary dimension of a single unit;
6. Ambient temperature range for outdoor unit operation: cooling: 15~50°C, heating: -5~25°C and heating: -15~25°C (with electric preheating);
8. Technical parameters are subject to change without prior notice due to product improvement. Please refer to the unit nameplate.

Parameter Table of Horizontal Direct Expansion Air Conditioning Unit Constant Temperature and Humidity Series (return air)

Model	Indoor unit		HCZP RHF22	HCZP RHF30	HCZP RHF35	HCZP RHF45	HCZP RHF60	HCZP RHF70	HCZP RHF100	HCZP RHF150	HCZP RHF220	
	Outdoor unit	Name	HCZP 22WA	HCZP 30WA	HCZP 35WA	HCZP 45WA	HCZP 60WA	HCZP 70WA	HCZP 60WA	HCZP 70WA	HCZP 70WA	
		Quantity	1	1	1	1	1	1	1	2	2	3
Rated cooling capacity		kW	21.6	27.6	34.6	43.9	54.8	68.2	99.7	138.1	207.4	
Rated heat		kW	28.8	36.6	45.85	57.4	72.8	90.7	135.7	183.1	274.9	
Electric heating		kW	16	20	24	30	35	42	65	85	115	
Humidification amount		kg/h	8	10	13	18	18	22	35	54	60	
Power supply			380V/3N~50Hz									
Indoor unit	Air volume		m³/h	5000	5600	6700	9000	10000	13600	20000	27000	41000
	Boundary dimension	Length	mm	Confirmation according to the module of the function segment								
		Width	mm	1045	1445	1445	1445	1645	1845	2045	2445	2845
		Height	mm	1045	1045	1045	1245	1245	1445	1645	1845	2245
	Dimension of adapter tube	Air pipe	mm	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")
		Liquid pipe	mm	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")
Outdoor unit	Compressor		Completely enclosed scroll compressor									
	Fan power		kW	0.45	0.55	0.75	0.75	1.1	1.5	2.2	4.4	6.6
	Refrigeration input power		kW	6.95	8.75	10.75	13.1	17.5	22.2	35	44.4	66.6
	Heating input power		kW	7.75	9.75	12	14.6	19.5	24.7	39	49.4	74.1
	Maximum operating power		kW	9.35	11.75	14.5	17.6	23.5	29.7	47	59.4	89.1
	Boundary dimension	Length	mm	850	850	850	850	850	1680	1680	1680	1680
		Width	mm	850	850	850	850	850	850	850	850	850
		Height	mm	1600	1600	1650	1650	1700	1700	1700	1700	1700
Refrigerant			R410A									
Noise		dB(A)	51	53	54	56	58	61	75	77	81	
Condensate pipe		DN	25	25	25	25	25	25	32	32	32	

Notes:

1. The rated cooling capacity is measured at the nominal air volume, indoor wet and dry bulb temperature: 27/19° C and outdoor wet and dry bulb temperature: 35/28° C;

3. As for the rated cooling capacity, no heat loss of the fan motor is taken into account, and the external static pressure can be determined in light of customer requirements;

5. Unit performance test piping conditions: equivalent refrigerant tube length: 7.5m(horizontal);

7 The outdoor units shown in the parameter table is delivered with refrigerant;

2. The rated heating capacity is measured at the nominal air volume, indoor wet and dry bulb temperature: 20/15° C and outdoor wet and dry bulb temperature: 7/6°C;

4. The boundary dimension of the outdoor unit in the parameter table is the boundary dimension of a single unit;

6. Ambient temperature range for outdoor unit operation: Refrigeration: -5~50°C and heating: -20~25°C;

8. Technical parameters are subject to change without prior notice due to product improvement. Please refer to the unit nameplate.

Parameter Table of Horizontal Direct Expansion Air Conditioning Unit Constant Temperature and Humidity Series (fresh air)

Model	Indoor unit		HCZPR HFW25X	HCZPR HFW30X	HCZPR XFW35X	HCZPR HFW45X	HCZPR HFW60X	HCZPR HFW70X	HCZPR HFW100X	HCZPR HFW150X	HCZPR HFW220X	HCZPR HFW300X	
	Outdoor unit	Name	HCZP 22WA	HCZP 30WA	HCZP 35WA	HCZP 45WA	HCZP 60WA	HCZP 70WA	HCZP 60WA	HCZP 70WA	HCZP 70WA	HCZP 70WA	
		Quantity	1	1	1	1	1	1	1	2	2	3	4
Rated cooling capacity		kW	21.6	27.6	34.6	43.9	54.8	68.2	99.7	138.1	207.4	278.6	
Rated heat		kW	18.9	23.9	30.2	38.2	47.1	59.1	86.8	119.7	180.2	240.6	
Electric heating		kW	16	20	24	30	35	42	65	85	115	150	
Humidification amount		kg/h	8	10	13	18	18	22	35	54	60	80	
Power supply			380V/3N~50Hz										
Indoor unit	Air volume		m³/h	2500	3000	3500	4500	5500	7000	10000	13500	20000	27000
	Boundary dimension	Length	mm	Confirmation according to the module of the function segment									
		Width	mm	1045	1045	1045	1045	1445	1445	1645	1845	2045	2445
		Height	mm	845	845	845	1045	1045	1045	1645	1445	1645	1845
	Dimension of adapter tube	Air pipe	mm	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")
		Liquid pipe	mm	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")
Outdoor unit	Compressor		Completely enclosed scroll compressor										
	Fan power		kW	0.45	0.55	0.75	0.75	1.1	1.5	2.2	4.4	6.6	8.8
	Refrigeration input power		kW	6.95	8.75	10.75	13.1	17.5	22.2	32.6	44.4	66.6	88.8
	Heating input power		kW	7.75	9.75	12	14.6	19.5	24.7	36.3	49.4	74.1	98.5
	Maximum operating power		kW	9.35	11.75	14.5	17.6	23.5	29.7	43.7	59.4	89.1	118.8
	Boundary dimension	Length	mm	850	850	850	850	850	1680	1680	1680	1680	1680
		Width	mm	850	850	850	850	850	850	850	850	850	850
		Height	mm	1600	1600	1650	1650	1700	1700	1700	1700	1700	1700
Refrigerant			R410A										
Noise		dB(A)	42	44	46	53	51	54	58	61	75	77	
Condensate pipe		DN	25	25	25	25	25	25	32	25	32	32	

Notes:

1. The rated cooling capacity is measured at the nominal air volume and outdoor wet and dry bulb temperature: 35/28°C;

3. As for the rated cooling capacity, no heat loss of the fan motor is taken into account, and the external static pressure can be determined in light of customer requirements;

5. Unit performance test piping conditions: equivalent refrigerant tube length: 7.5m(horizontal);

7 The outdoor units shown in the parameter table is delivered with refrigerant;

2. The rated heating capacity is measured at the nominal air volume and outdoor wet and dry bulb temperature: 7/6°C;

4. The boundary dimension of the outdoor unit in the parameter table is the boundary dimension of a single unit;

6. Ambient temperature range for outdoor unit operation: cooling: 15~50°C, heating: -5~25°C and heating: -15~25°C (with electric preheating);

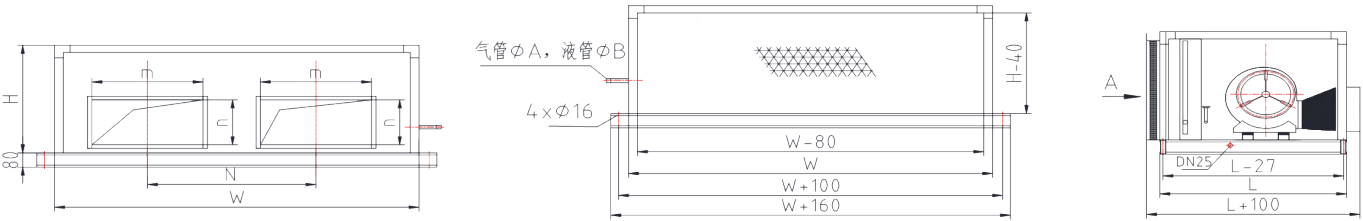
8. Technical parameters are subject to change without prior notice due to product improvement. Please refer to the unit nameplate.

Cooling/heating capacity
Table of Correction Factors

Cooling running							Heating running						
Indoor inlet air temperature (°C)		Outdoor inlet air drying bulb temperature (°C)					Indoor inlet air temperature (°C)		Outdoor inlet air drying bulb temperature (°C)				
Dry bulb	Wet bulb	25	30	35	40	45			-5	0	6	10	15
23	16	0.98	0.94	0.89	0.85	0.81	16		0.77	0.89	1.02	1.13	–
25	18	1.05	1	0.95	0.9	0.85	18		0.77	0.88	1.02	1.13	–
27	19	1.1	1.05	1	0.95	0.9	20		0.76	0.87	1	1.11	1.25
28	20	1.12	1.07	1.02	0.96	0.91	21		0.76	0.78	0.99	1.1	1.24
30	22	1.19	1.13	1.08	1.02	0.96	22		0.75	0.86	0.97	1.09	1.23
32	24	1.26	1.2	1.05	1.08	1.03	24		0.75	0.86	0.96	1.08	1.22

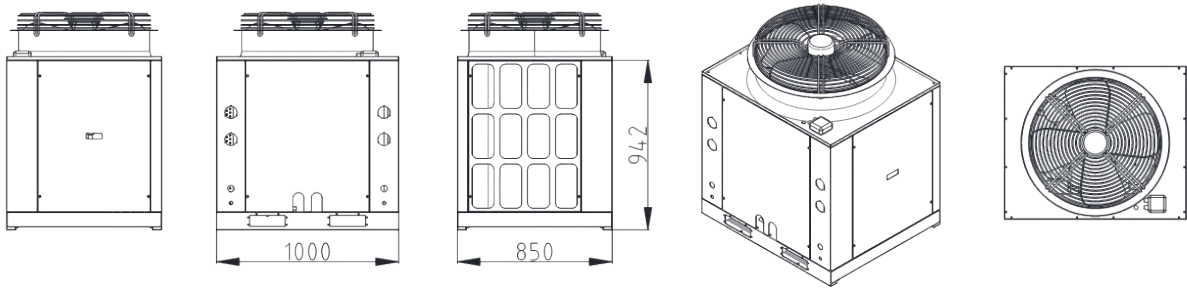
Table of ceiling type direct
expansion indoor unit dimensions

Model	HCZPRFD13	HCZPRFD18	HCZPRFD25	HCZPRFD30	HCZPRFD38	HCZPRFD50	HCZPRFD63
L	840	840	840	840	840	1040	1040
W	1040	1440	1440	1640	2040	2040	2240
H	500	500	600	600	600	815	815
m	400	500	400	500	500	500	630
n	200	250	200	250	250	320	400
N			600	750	900	900	1000
φA	19.5 (3/4")	22.2 (7/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8") *2	34.9 (1-3/8")
φB	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.5 (3/4")	15.88 (5/8") *2	22.2 (7/8")

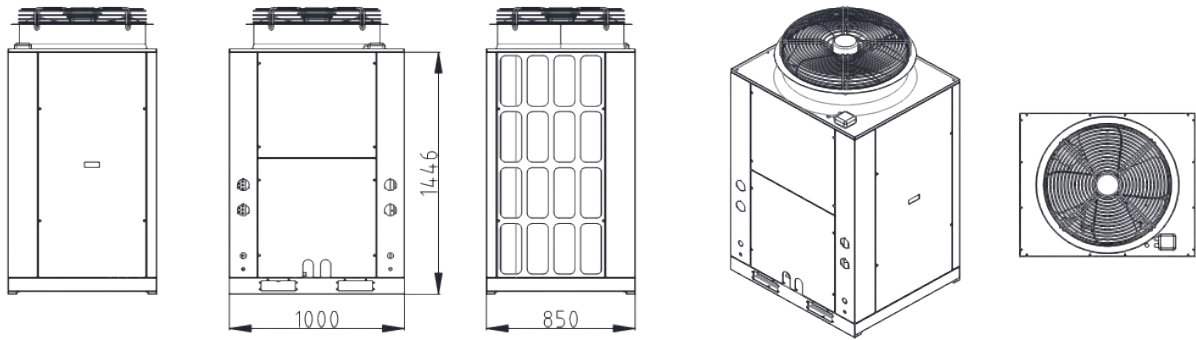


A向视图

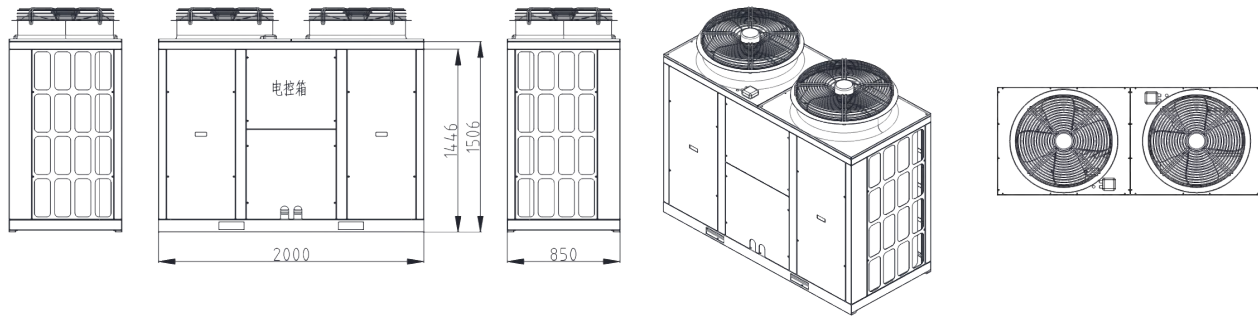
Table of Dimension Correction Factors for
Ceiling Type Direct Expansion Outdoor Unit



HCZPRFD13 and HCZPRFD18 outdoor units

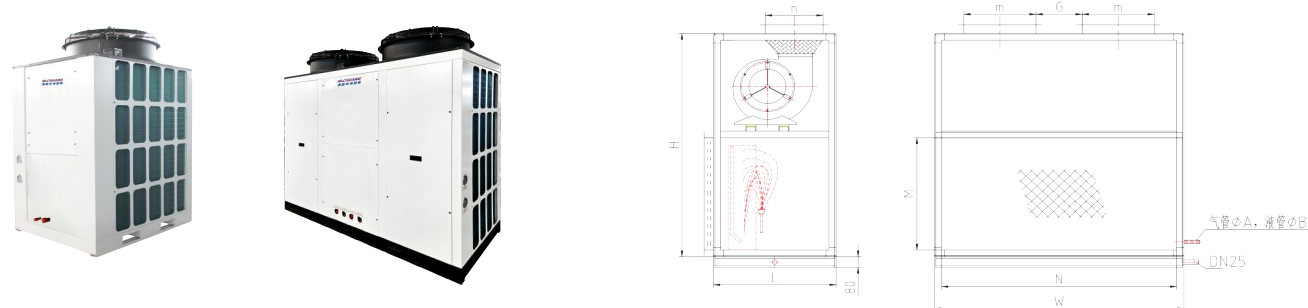


HCZPRFD25 and HCZPRFD30 outdoor units



HCZPRFD38, HCZPRFD50 and HCZPRFD63 outdoor unit

Boundary dimension of vertical
direct expansion air conditioning unit



Model	HCZPRFL22X	HCZPRFL30X	HCZPRFL35X	HCZPRFL22 HCZPRFL45X	HCZPRFL30 HCZPRFL60X	HCZPRFL35 HCZPRFL70X	HCZPRFL45 HCZPRFL100X
L	845	845	845	845	1045	1045	1040
W	1045	1045	1045	1045	1445	1445	1445
H	1345	1345	1445	1645	1645	1845	2045
m	320	400	400	400	400	500	500
n	200	250	250	320	320	320	320
G							220
M	560	560	620	850	850	770	980
N	955	955	955	955	1355	1355	1355
φA	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	22.2 (7/8 ")	28.6 (1-1/8 ")
φB	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")	12.7 (1/2 ")

Model	HCZPRFL70 HCZPRFL150X	HCZPRFL100 HCZPRFL220X	HCZPRFL150 HCZPRFL300X	HCZPRFL220
L	1045	1245	1245	1245
W	2045	2245	2245	3045
H	2045	2245	2245	2845
m	500	630	800	800
n	320	500	500	630
G	420	420	420	620
M	960	1230	1480	1650
N	1955	2155	2355	2955
φA	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")	28.6 (1-1/8 ")
φB	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")	15.88 (5/8 ")

Horizontal direct expansion indoor unit
shape and function segment dimension

Type	Width (mm) W	Height (mm) H	Function segment length(mm)				
			Mixing section	Fresh air exhaust section	Plate filter section	Bag filter section	Evaporation segment
HCZPRFW22X	1045	845	600	1200	100	500	600
HCZPRFW30X	1045	845	600	1200	100	500	600
HCZPRFW35X	1045	845	600	1200	100	500	600
HCZPRFW22 HCZPRFW45X	1045	1045	600	1200	100	500	600
HCZPRFW30 HCZPRFW60X	1445	1045	600	1200	100	500	600
HCZPRFW35 HCZPRFW70X	1445	1045	600	1200	100	500	600
HCZPRFW45	1445	1245	600	1200	100	500	600
HCZPRFW60 HCZPRFW100X	1645	1245	600	1200	100	500	600
HCZPRFW70 HCZPRFW150X	1845	1445	800	1200	100	500	600
HCZPRFW100 HCZPRFW220X	2045	1645	800	1200	100	500	800
HCZPRFW150 HCZPRFW300X	2445	1845	800	1200	100	500	800
HCZPRFW220	2845	2245	1000	1500	100	500	900

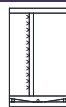
Notes:

1. The dimension of mixing section and outlet section is standard dimension. The requirements on the dimension and position of the air port (if any) depend on the specific situation.
2. The length of the humidifier section should be adjusted in light of the specific humidification requirements and humidification methods.
3. For easy repair and maintenance, it is necessary to add an intermediate section before the filtering section and the muffling section and after the surface cooling section.
4. The data in this table is for reference only, with increase or decrease in the actual design according to the specific circumstance.

2. The length of the humidifier section should be adjusted in light of the specific humidification requirements and humidification methods.

4. The data in this table is for reference only, with increase or decrease in the actual design according to the specific circumstance.

Horizontal direct expansion indoor unit
shape and function segment dimension

Type	Width (mm)	Height (mm)	Function segment length(mm)					
	W	H	Electric heater section	Humidifier section	Intermediate section	Muffler section	Fan section	Outlet air section
								
HCZPRFW22X	1045	845	300	600	600	900	1000	600
HCZPRFW30X	1045	845	300	600	600	900	1000	600
HCZPRFW35X	1045	845	300	600	600	900	1000	600
HCZPRFW22 HCZPRFW45X	1045	1045	300	600	600	900	1000	600
HCZPRFW30 HCZPRFW60X	1445	1045	300	600	600	900	1200	600
HCZPRFW35 HCZPRFW70X	1445	1045	300	600	600	900	1200	600
HCZPRFW45	1445	1245	300	600	600	900	1400	600
HCZPRFW60 HCZPRFW100X	1645	1245	300	600	600	900	1400	600
HCZPRFW70 HCZPRFW150X	1845	1445	300	600	600	900	1500	600
HCZPRFW100 HCZPRFW220X	2045	1645	300	600	600	900	1700	800
HCZPRFW150 HCZPRFW300X	2445	1845	300	600	600	900	1900	800
HCZPRFW220	2845	2245	300	600	600	900	1600	800

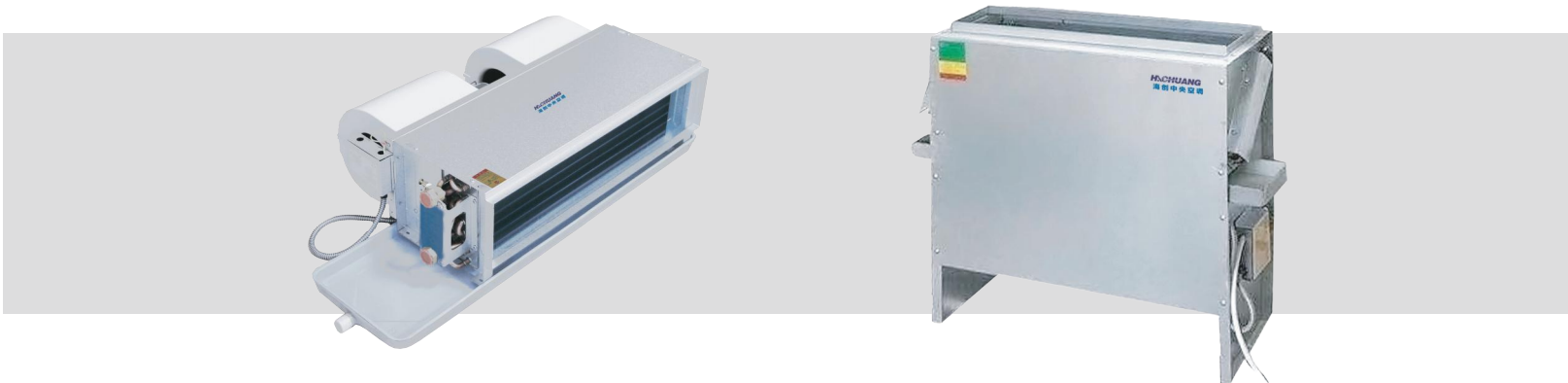
- Notes:
1. The dimension of mixing section and outlet section is standard dimension. The requirements on the dimension and position of the air port (if any) depend on the specific situation.

2. The length of the humidifier section should be adjusted in light of the specific humidification requirements and humidification methods.

3. For easy repair and maintenance, it is necessary to add an intermediate section before the filtering section and the muffling section and after the surface cooling section.

4. The data in this table is for reference only, with increase or decrease in the actual design according to the specific circumstance.

立、卧式暗装风机盘管机组
HORIZONTAL CONCEALED FAN COIL UNIT
VERTICAL CONCEALED FAN COIL UNIT



Product features



Reasonable design

The fan coil body is sturdy and durable with exquisite and compact structure and beautiful and noble and elegant appearance. The fan coil is of galvanized sheet housing. The condensate water pan is of integrated forming by molding process, without weld joints, but insulation material complying with fire protection regulations.



Easy installation

Small volume of fan coil: Lightweight body design. The drain pipe and line are of easy installation, the left and right adapter tubes and air return methods can be changed at any time to match the site situation. The unit can be installed in any space.



Low noise

The motor is a permanent magnet synchronous motor, with high efficiency, energy saving, higher efficiency and lower noise; The reasonable fan and airflow structure design and high-quality sound absorption and insulation materials make the noise of the unit lower than the national standard 1-3dB(A).

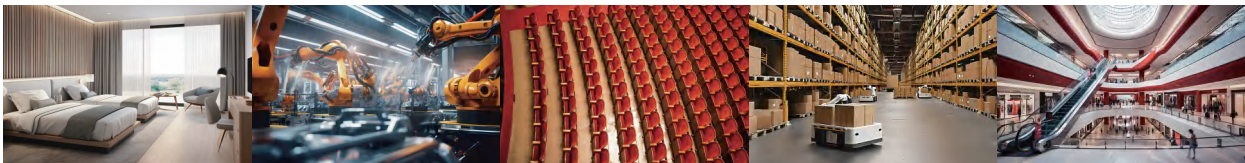


High heat exchange efficiency

High efficiency of fan coil: The advanced tube expansion process ensures the close contact between the copper pipe and the aluminum foil of the heat exchanger and the heat transfer performance is good.

Place of use

It is widely used in hotels, theaters, shopping malls, office buildings, schools, warehouses and other places; As an industrial air conditioner, it can also meet the needs of electronic engineering, chemical engineering, medical treatment, pharmaceutical, cigarette, food, light industry and other industries.



机组基本参数

UNIT PARAMETERS

Horizontal Concealed Fan Coil Unit (2-Pipe System, 3-Row Coil, AC Motor)

Performance		Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-119	FP-136	FP-170	FP-204	FP-238
Rated air volume (m³/h)		H	340	510	680	850	1020	1190	1360	1700	2040	2380
		M	260	390	510	640	770	895	1020	1280	1530	1790
		L	170	260	340	430	510	595	680	850	1020	1190
Cooling Capacity	W	H	1850	2760	3650	4535	5460	6300	7270	9080	10850	12600
	Kcal/h	H	1591	2374	3139	3900	4695	5418	6252	7809	9331	10836
Heating Capacity	W	H	2800	4150	5500	7180	8695	9450	11190	13875	16300	18900
	Kcal/h	H	2408	3569	4730	6175	7478	8127	9623	11933	14018	16254
Input power (W)	12Pa	H	36	50	60	74	93	112	130	147	183	221
	30Pa	H	43	57	70	84	105	121	151	169	206	245
	50Pa	H	48	64	81	97	114	131	169	204	243	291
Noise dB(A)	12Pa	H	37	39	41	43	45	46	46	48	50	52
	30Pa	H	40	42	44	46	47	48	48	50	52	54
	50Pa	H	42	44	46	47	49	50	50	52	54	56
Fan		Form	Forward multi-wing centrifugal double intake fan									
		Quantity	1	2	2	2	2	2	3	4	4	4
Motor		Form	Capacitance running asynchronous motor (220V/50Hz, protection grade: IP20, insulation grade: Class B)									
		Quantity	1	1	1	1	1	1	2	2	2	2
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion										
Cold water flow (kg/h)			318	475	628	780	939	1083	1250	1561	1866	2167
Water pressure loss (kPa)			≤20	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤40	≤50
Weight (kg)	No return air box		10.6	12.6	13.6	15.2	16.2	18.5	23.1	24.4	27.6	30.9
	With return air box		13.7	16.3	17.7	19.8	21.2	24	29.3	30.8	35	39.2
Inlet and outlet pipe			3/4" internal thread									
Condensate pipe			3/4" external thread									
Power supply			220 V / 50 Hz									

Notes:

1. Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.

2. Heat supply: Inlet temperature: 60°C, water flow as the same as the cold water flow and inlet air dry bulb temperature: DB21.0°C

3. The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).

4. The outlet static pressure is 0Pa when the low static pressure unit is with tuyere and filter; The outlet static pressure is 12Pa when the low static pressure unit is without tuyere and filter.

5. The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.

6. If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections. Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

7. The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects

Horizontal Concealed Fan Coil Unit (2-Pipe System, 4-Row Coil, AC Motor)

Performance		Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-119	FP-136	FP-170	FP-204	FP-238
Rated air volume (m³/h)		H	340	510	680	850	1020	1190	1360	1700	2040	2380
		M	260	390	510	640	770	895	1020	1280	1530	1790
		L	170	260	340	430	510	595	680	850	1020	1190
Cooling Capacity	W	H	2240	3610	4610	5630	6820	7090	8179	10260	11550	13400
	Kcal/h	H	1926	3105	3965	4842	5865	6100	7034	8824	9933	11524
Heating Capacity	W	H	3690	5534	7380	8154	10039	10810	12798	15812	18973	21677
	Kcal/h	H	3173	4759	6347	7012	8634	9300	11006	13598	16317	18642
Input power (W)	12Pa	H	39	54	64	82	101	124	136	159	191	242
	30Pa	H	48	62	76	91	116	134	159	179	218	258
	50Pa	H	56	69	88	103	128	145	185	210	256	306
Noise dB(A)	12Pa	H	38	40	42	44	46	47	47	49	51	53
	30Pa	H	41	43	45	47	48	49	49	51	53	55
	50Pa	H	43	45	47	48	50	51	51	53	55	57
Fan	Form	Forward multi-wing centrifugal double intake fan										
	Quantity		1	2	2	2	2	2	3	4	4	4
Motor	Form	Capacitance running asynchronous motor (220V/50Hz, protection grade: IP20, insulation grade: Class B)										
	Quantity		1	1	1	1	1	1	2	2	2	2
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion										
Cold water flow (kg/h)			385	621	793	968	1173	1219	1407	1764	1986	2304
Water pressure loss (kPa)			≤20	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤40	≤50
Weight (kg)	No return air box		11.8	13.5	14.6	16.2	17.8	18.5	23.1	29.9	37.2	41.4
	With return air box		15	17.3	18.6	20.7	22.8	24	28.8	36.9	45.2	50
Inlet and outlet pipe			3/4" internal thread									
Condensate pipe			3/4" external thread									
Power supply			220 V / 50 Hz									

Notes:

1. Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.

2. Heat supply: Inlet temperature: 60°C, water flow as the same as the cold water flow and inlet air dry bulb temperature: DB21.0°C

3. The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).

4. The outlet static pressure is 0Pa when the low static pressure unit is with tuyere and filter; The outlet static pressure is 12Pa when the low static pressure unit is without tuyere and filter.

5. The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.

6. If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections. Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

7. The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects

Horizontal Concealed Fan Coil Unit
(4-Pipe System, 3+1 Row Coil, AC Motor)

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-119	FP-136	FP-170	FP-204	FP-238
Performance												
Rated air volume (m³/h)		H	340	510	680	850	1020	1190	1360	1700	2040	2380
		M	260	390	510	640	770	895	1020	1280	1530	1790
		L	170	260	340	430	510	595	680	850	1020	1190
Cooling Capacity	W	H	1850	2760	3650	4535	5460	6300	7270	9080	10850	12600
	Kcal/h	H	1591	2374	3139	3900	4695	5418	6252	7809	9331	10836
Heating Capacity	W	H	1800	2750	3570	4250	5410	5640	6450	8620	10500	11800
	Kcal/h	H	1617	2365	3070	3655	4653	4850	5547	7413	9030	10148
Input power (W)	12Pa	H	39	54	64	82	101	124	136	159	191	242
	30Pa	H	48	62	76	91	116	134	159	179	218	258
	50Pa	H	56	69	88	103	128	145	185	210	256	306
Noise dB(A)	12Pa	H	38	40	42	44	46	47	47	49	51	53
	30Pa	H	41	43	45	47	48	49	49	51	53	55
	50Pa	H	43	45	47	48	50	51	51	53	55	57
Fan		Form	Forward multi-wing centrifugal double intake fan									
		Quantity	1	2	2	2	2	3	4	4	4	4
Motor		Form	Capacitance running asynchronous motor (220V/50Hz, protection grade: IP20, insulation grade: Class B)									
		Quantity	1	1	1	1	1	2	2	2	2	2
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion										
Cold water flow (kg/h)			318	475	628	780	939	1219	1250	1561	1866	2167
Hot water flow (kg/h)			162	237	307	366	466	469	555	742	903	1015
Water pressure loss (kPa)			≤20	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤40	≤50
Weight (kg)	No return air box		11.8	13.5	14.6	16.2	17.8	18.5	23.1	29.9	37.2	41.4
	With return air box		15	17.3	18.6	20.7	22.8	24	28.8	36.9	45.2	50
Inlet and outlet pipe			3/4" internal thread									
Condensate pipe			3/4" external thread									
Power supply			220 V / 50 Hz									

Notes:

1. Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.

2. Heat supply: Inlet and outlet water temperature: 60C/50°C and inlet air dry bulb temperature: DB21.0C.

3. The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).

4. The outlet static pressure is 0Pa when the low static pressure unit is with tuyere and filter; The outlet static pressure is 12Pa when the low static pressure unit is without tuyere and filter.

5. The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.

6. If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections. Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

7. The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects.

Horizontal Concealed Fan Coil Unit
(4-Pipe System, 3-Row Coil, Permanent Magnet Synchronous Motor)

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-119	FP-136	FP-170	FP-204	FP-238
Performance												
Rated air volume (m³/h)		H	340	510	680	850	1020	1190	1360	1700	2040	2380
		M	260	390	510	640	770	895	1020	1280	1530	1790
		L	170	260	340	430	510	595	680	850	1020	1190
Cooling Capacity	W	H	1850	2760	3650	4535	5460	6300	7270	9080	10850	12600
	Kcal/h	H	1591	2374	3139	3900	4695	5418	6252	7809	9331	10836
Heating Capacity	W	H	2800	4150	5500	7180	8695	9450	11190	13875	16300	18900
	Kcal/h	H	2408	3569	4730	6175	7478	8127	9623	11933	14018	16254
Input power (W)	12Pa	H	22	30	36	44	56	67	78	88	114	139
	30Pa	H	26	34	42	51	65	73	91	101	140	166
	50Pa	H	29	40	49	61	80	90	101	125	173	208
Noise dB(A)	12Pa	H	37	39	41	43	45	46	46	48	50	52
	30Pa	H	40	42	44	46	47	48	48	50	52	54
	50Pa	H	42	44	46	47	49	50	50	52	54	56
Fan		Form	Forward multi-wing centrifugal double intake fan									
		Quantity	1	2	2	2	2	2	3	4	4	4
Motor		Form	Brushless DC motor (220V/50Hz, built-in AC-DC transformation)									
		Quantity	1	1	1	1	1	1	2	2	2	2
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion										
Cold water flow (kg/h)			318	475	628	780	939	1083	1250	1561	1866	2167
Water pressure loss (kPa)			≤20	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤40	≤50
Weight (kg)	No return air box		11	12.5	13.5	15	16.5	18.5	21.5	28	35	39
	With return air box		14.2	16.3	17.5	19.5	21.5	24	27.2	35	43	47.6
Inlet and outlet pipe			3/4" internal thread									
Condensate pipe			3/4" external thread									
Power supply			220V/50Hz									

Notes:

1. Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.

2. Heat supply: Inlet temperature: 60°C, water flow as the same as the cold water flow and inlet air dry bulb temperature: DB21.0°C

3. The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).

4. The outlet static pressure is 0Pa when the low static pressure unit is with tuyere and filter; The outlet static pressure is 12Pa when the low static pressure unit is without tuyere and filter.

5. The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.

6. If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections. Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

7. The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects

Vertical Concealed Fan Coil Unit (3-Row Coil, AC Motor)

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Performance											
Rated air volume (m³/h)		H	340	510	680	850	1020	1360	1700	2040	2380
		M	260	390	510	640	770	1020	1280	1530	1790
		L	170	260	340	430	510	680	850	1020	1190
Cooling Capacity	W	H	1850	2760	3650	4535	5460	7270	9080	10850	12600
	Kcal/h	H	1591	2374	3139	3900	4695	6252	7809	9331	10836
Heating Capacity	W	H	2800	4150	5500	7180	8695	11190	13875	16300	18900
	Kcal/h	H	2408	3569	4730	6175	7478	9623	11933	14018	16254
Input power	W	H	36	50	60	74	93	130	147	183	221
Noise	dB(A)	H	37	39	41	43	45	46	48	50	52
Fan	Form	Forward multi-wing centrifugal double intake fan									
	Quantity	1	2	2	2	2	3	4	4	4	4
Motor	Form	Capacitance running asynchronous motor (220V/50Hz, protection grade: IP20, insulation grade: Class B)									
	Quantity	1	1	1	1	1	2	2	2	2	2
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion									
water flow (kg/h)			318	475	628	780	939	1250	1561	1866	2167
Water pressure loss (kPa)			≤30	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤50
Weight (kg)			8	9	15	17	19	24	30	32	35
Inlet and outlet pipe			3/4" internal thread								
Condensate pipe			3/4" external thread								
Power supply			220 V / 50 Hz								

Notes:

1. Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.

2. Heat supply: Inlet temperature: 60°C, water flow as the same as the cold water flow and inlet air dry bulb temperature: DB21.0°C

3. The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).

4. The outlet static pressure is 0Pa when the low static pressure unit is with tuyere and filter; The outlet static pressure is 12Pa when the low static pressure unit is without tuyere and filter.

5. The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.

6. If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections.

Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

7. The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects

立、卧式明装风机盘管机组
VERTICAL EXPOSED FAN COIL UNIT
HORIZONTAL EXPOSED FAN COIL UNIT



Product features



High efficiency and sufficient energy

The coil is made of high-quality seamless copper tube and aluminum sinusoidal corrugated heat sink through hydraulic or mechanical tube expansion. The absolute compaction between the fin and the copper tube can achieve the optimal effect.



High wind volume and low noise

The ultra-wide angle volute, multi-blade centrifugal wind wheel and a variety of reasonable matching between wind wheel and motor are adopted, with low noise. Various needs of the unit can be met.



Safe and reliable as well as long life

The motor is an induction motor, with built-in temperature rise protector. The motor won't be burned without special circumstances; Each unit coil is subject to high pressure leak detection to ensure that the unit will be free from water leakage



Strong adaptability

It is widely used in hotels, office buildings, hospitals, exhibition halls and other low-noise places. People's requirements for comfort can be met better.

Place of use

It is widely used in hotels, theaters, shopping malls, office buildings, schools, warehouses and other places; As an industrial air conditioner, it can also meet the needs of electronic engineering, chemical engineering, medical treatment, pharmaceutical, cigarette, food, light industry and other industries.



机组基本参数
UNIT PARAMETERS
Vertical Exposed Fan Coil Unit
(2-Pipe System, 3-Row Coil, AC Motor)

Model		FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Performance										
Rated air volume (m³/h)	H	340	510	680	850	1020	1360	1700	2040	2380
	M	260	390	510	640	770	1020	1280	1530	1790
	L	170	260	340	430	510	680	850	1020	1190
Cooling Capacity	W	H	1850	2760	3650	4535	5460	7270	9080	10850
	Kcal/h	H	1591	2374	3139	3900	4695	6252	7809	9331
Heating Capacity	W	H	2800	4150	5500	7180	8695	11190	13875	18900
	Kcal/h	H	2408	3569	4730	6175	7478	9623	11933	16254
Input power	W	H	36	50	60	74	93	130	147	221
Noise	dB(A)	H	37	39	41	43	45	46	48	52
Fan	Form	Forward multi-wing centrifugal double intake fan								
	Quantity	1	2	2	2	2	3	4	4	4
Motor	Form	Capacitance running asynchronous motor (220V/50Hz, protection grade: IP20, insulation grade: Class B)								
	Quantity	1	1	1	1	1	2	2	2	2
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion								
water flow (kg/h)		318	475	628	780	939	1250	1561	1866	2167
Water pressure loss (kPa)		≤30	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤50
Weight (kg)		23	26.5	28	31	35	41.2	48.5	53.5	54.5
Inlet and outlet pipe		3/4" internal thread								
Condensate pipe		3/4" external thread								
Power supply		220 V / 50 Hz								

Notes:

1. Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.

2. Heat supply: Inlet temperature: 60°C, water flow as the same as the cold water flow and inlet air dry bulb temperature: DB21.0°C

3. The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).

4. The outlet static pressure is 0Pa when the low static pressure unit is with tuyere and filter; The outlet static pressure is 12Pa when the low static pressure unit is without tuyere and filter.

5. The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.

6. If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections.

Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

7. The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects

机组基本参数
UNIT PARAMETERS

Horizontal Exposed Fan Coil Unit
(2-Pipe System, 3-Row Coil, AC Motor)

Model		FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Performance										
Rated air volume (m³/h)	H	340	510	680	850	1020	1360	1700	2040	2380
	M	260	390	510	640	770	1020	1280	1530	1790
	L	170	260	340	430	510	680	850	1020	1190
Cooling Capacity	W	H	1850	2760	3650	4535	5460	7270	9080	10850
	Kcal/h	H	1591	2374	3139	3900	4695	6252	7809	9331
Heating Capacity	W	H	2800	4150	5500	7180	8695	11190	13875	18900
	Kcal/h	H	2408	3569	4730	6175	7478	9623	11933	16254
Input power	W	H	36	50	60	74	93	130	147	221
Noise	dB(A)	H	37	39	41	43	45	46	48	52
Fan	Form	Forward multi-wing centrifugal double intake fan								
	Quantity	1	2	2	2	2	3	4	4	4
Motor	Form	Capacitance running asynchronous motor (220V/50Hz, protection grade: IP20, insulation grade: Class B)								
	Quantity	1	1	1	1	1	2	2	2	2
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion								
water flow (kg/h)		318	475	628	780	939	1250	1561	1866	2167
Water pressure loss (kPa)		≤30	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤50
Weight (kg)		20.5	23.5	24.6	27.5	30	38	44.5	48.6	53.5
Inlet and outlet pipe		3/4" internal thread								
Condensate pipe		3/4" external thread								
Power supply		220 V / 50 Hz								

Notes:

1. Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.

2. Heat supply: Inlet temperature: 60°C, water flow as the same as the cold water flow and inlet air dry bulb temperature: DB21.0°C

3. The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).

4. The outlet static pressure is 0Pa when the low static pressure unit is with tuyere and filter; The outlet static pressure is 12Pa when the low static pressure unit is without tuyere and filter.

5. The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.

6. If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections.

Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

7. The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects

卡式风机盘管机组

CASSETTE TYPE FAN COIL UNIT



Product features



Energy saving and high efficiency

The use of energy-efficient fans and high-quality coils can effectively reduce energy consumption and improve the efficiency of air conditioning.



Easy installation

With compact structure and small dimension, it is easily installed on the ceiling of the room and will not occupy too much space.



Quiet and comfortable

The use of low noise fan and optimized structure design can effectively reduce noise and improve the comfort of use.



Purified air

It can effectively filter hazardous substances (such as bacteria and viruses) in the air and improve indoor air quality



Easy maintenance

With easy replacement of parts and easy maintenance, a lot of maintenance costs and time can be saved.



Strong adaptability

It can adapt to different building structures and environments, and the customized design is performed pursuant to different needs.



Beautiful and elegant

The appearance is beautiful and elegant, and it can be matched with various interior decoration styles to improve the interior aesthetics.



Safe and reliable

The use of high quality materials and strict production process can ensure the safety and reliability of the equipment.



Intelligent control

The remote control and monitoring can be conducted by intelligent control system to facilitate users to use and manage.

Place of use

It is widely used in new and reconstructed industrial and civil building air conditioning projects, such as: textile and garment making, machine manufacturing, metallurgical chemical industry, electronics and electricity, medical pharmaceutical, broadcast hall, shopping mall, recreational center, movie theater and stadium.



机组基本参数

UNIT PARAMETERS

Cassette-type exposed fan coil unit (with condensate lift pump, two-pipe system)

Model		FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Performance										
Rated air volume (m³/h)	H	340	510	680	850	1020	1360	1700	2040	2380
	M	260	390	510	640	770	1020	1280	1530	1790
	L	170	260	340	430	510	680	850	1020	1190
Cooling Capacity	W	H	2000	2700	3700	4500	5600	7000	9100	12600
	Kcal/h	H	1720	2322	3182	3870	4816	6020	7826	10836
Heating Capacity	W	H	2800	4200	5600	7000	8400	11200	13900	19500
	Kcal/h	H	2408	3612	4816	6020	7224	9632	11954	16770
Input power	W	H	46	50	55	66	75	123	138	215
Noise	dB(A)	H	37	39	41	43	45	46	48	50
Fan	Form	Centrifugal wind wheel								
	Quantity	1	1	1	1	1	1	1	1	1
Motor	Form	Capacitance running asynchronous motor (220V/50Hz, protection grade: IP20, insulation grade: Class B)								
	Quantity	1	1	1	1	1	1	1	1	1
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion								
Lift pump	Lift	1200mm								
Control mode		Remote control (drive-by-wire)								
water flow (kg/h)		344	464	636	774	963	1204	1565	1857	2167
Water pressure loss (kPa)		≤30	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤50
Weight (kg)		25	25	25	32	32	32	41	41	41
Inlet and outlet pipe		3/4" external thread								
Condensate pipe		φ25								
Power supply		220V/50HZ								

Notes:

- Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.
- Heat supply: Inlet temperature: 60°C, water flow as the same as the cold water flow and inlet air dry bulb temperature: DB21.0°C
- The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).
- The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.
- If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections.
Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.
- The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects

机组基本参数
UNIT PARAMETERS

Cassette-type exposed fan coil unit
(self-draining type, two-pipe system)

Model		FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Performance										
Rated air volume (m³/h)	H	340	510	680	850	1020	1360	1700	2040	2380
	M	260	390	510	640	770	1020	1280	1530	1790
	L	170	260	340	430	510	680	850	1020	1190
Cooling Capacity	W	H	2000	2700	3700	4500	5600	7000	9100	12600
	Kcal/h	H	1720	2322	3182	3870	4816	6020	7826	10836
Heating Capacity	W	H	2800	4200	5600	7000	8400	11200	13900	19500
	Kcal/h	H	2408	3612	4816	6020	7224	9632	11954	16770
Input power	W	H	34	38	43	54	63	111	126	203
Noise	dB(A)	H	37	38	41	43	45	46	48	52
Fan	Form	Centrifugal wind wheel								
	Quantity	1	1	1	1	1	1	1	1	1
Motor	Form	Capacitance running asynchronous motor (220V/50Hz, protection grade: IP20, insulation grade: Class B)								
	Quantity	1	1	1	1	1	1	1	1	1
Heat exchanger	Structural form	Copper tube string aluminum fin (louver type), mechanical tube expansion								
water flow (kg/h)		344	464	636	774	963	1204	1565	1857	2167
Water pressure loss (kPa)		≤30	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤50
Weight (kg)		25	25	25	32	32	32	43	43	43
Inlet and outlet pipe		3/4" external thread								
Condensate pipe		Φ25								
Power supply		220V/50HZ								

Notes:

1. Cooling: Inlet and outlet water temperature: 7°C/12°C, inlet air dry bulb temperature: DB27.0°C and wet bulb temperature: WB19.5°C.

2. Heat supply: Inlet temperature: 60°C, water flow as the same as the cold water flow and inlet air dry bulb temperature: DB21.0°C

3. The noise of the unit in the table is measured in a full anechoic chamber with a background noise of 16.5dB(A) (according to GB/T19232-2019).

4. The power consumed by the motor load is the input power (also known as the reference working condition consumption). The power marked on the motor nameplate is the nominal power, namely the output power of the motor when running under rated conditions.

5. If the actual use condition is different from the standard working condition, please refer to the correction coefficient table data in the sample to make corrections.

Correction method: Actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

6. The company reserves the right to change the design for product improvement without prior notice. All products are subject to material objects

立柜式风机盘管机组
FLOOR STANDING A/C UNIT



Product features

This series of water air conditioner is of tempered glass panel which is fashionable and elegant. The unique all-round three-dimensional air supply can be set at will up, down, left and right, with intelligent automatic operation mode, automatic frequency conversion wind speed, boiling proof and cold blast protection function, water temperature display function, automatic fault detection and maintenance prompt function and function of quick cooling/quick heating enabling by one key of remote control. The whole machine is packed with foam, with no damage during transportation.

机组基本参数
UNIT PARAMETERS

	3P	5P
Model	FP-115LM-Y-2(3)	FP-170LM-Y-2(3)
Air volume	1150m²/h	1700m²/h
Cooling capacity	6450W	10230W
Heating capacity	10610W	14400W
Water resistance	40.6kPa	82kPa
Water flow	1.27m³/h	2.0m³/h
Noise	42dB(A)	45dB(A)
Power supply	220V/50Hz	220V/50Hz
Input power	143W	278W
Weight	35.5kg	38.5kg



Product features

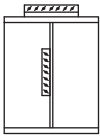
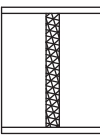
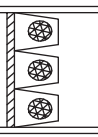
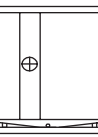
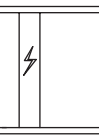
This series of water air conditioning is the only one with environmentally friendly four-fold C evaporator in the industry and has low noise of 22DB while increasing heat transfer (A), with intelligent automatic operation mode and boiling proof and cold blast protection function. The remote control has the function of quick cooling and quick heating by one key, with automatic wind speed adjustment, screen display control function and automatic fault detection and maintenance prompt function.

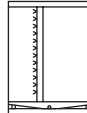
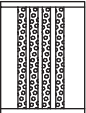
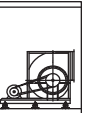
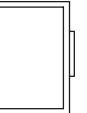
机组基本参数
UNIT PARAMETERS

Model	FP-62BM-Y-2(2)
Air volume	620m²/h
Cooling capacity	2710W
Heating capacity	5100W
Water resistance	38kPa
Water flow	0.75m³/h
Noise	33dB(A)
Power supply	220V/50Hz
Input power	42W
Weight	8.3kg

机组外形尺寸
UNIT OVERALL DIMENSIONS DRAWING

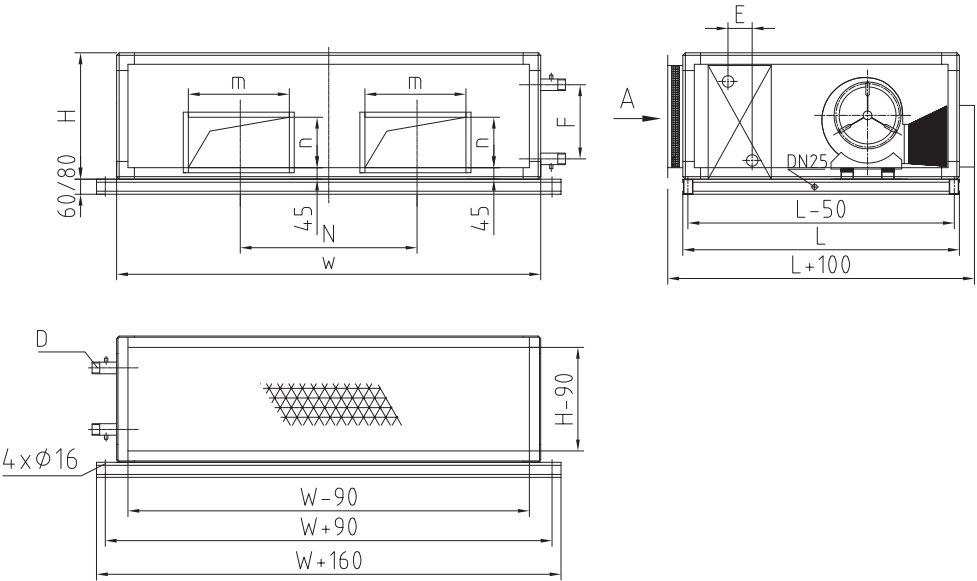
Unit shape and function segment dimension of modular air conditioning unit

Type	Width (mm)	Height (mm)	Function segment length(mm)					
			Mixing section	Fresh air exhaust section	Plate filter section	Bag filter section	Surface cooling section	Electric heater section
	W	H						
HCZKW030	1045	845	600	1200	100	500	600	300
HCZKW040	1045	845	600	1200	100	500	600	300
HCZKW050	1045	1045	600	1200	100	500	600	300
HCZKW060	1445	1045	600	1200	100	500	600	300
HCZKW080	1445	1045	600	1200	100	500	600	300
HCZKW100	1445	1245	600	1200	100	500	600	300
HCZKW120	1645	1245	600	1200	100	500	600	300
HCZKW150	1845	1445	800	1200	100	500	600	300
HCZKW200	2045	1645	800	1200	100	500	800	300
HCZKW250	2245	1845	800	1200	100	500	800	300
HCZKW300	2445	1845	800	1200	100	500	900	300
HCZKW350	2645	2045	800	1500	100	500	900	300
HCZKW400	2845	2245	1000	1500	100	500	900	300
HCZKW500	2845	2645	1000	1500	100	500	900	300
HCZKW600	3065	2865	1000	1500	100	500	900	300
HCZKW800	3865	3065	1000	1500	100	500	1200	300
HCZKW1000	4465	3265	1000	1500	100	500	1200	300
HCZKW1200	4465	3865	1000	1500	100	500	1200	300
HCZKW1400	4865	4065	1000	1500	100	500	1200	300

Type	Width (mm)	Height (mm)	Function segment length(mm)				
			Humidifier section	Intermediate section	Muffler section	Fan section	Outlet air section
	W	H					
HCZKW030	1045	845	600	600	900	1000	600
HCZKW040	1045	845	600	600	900	1000	600
HCZKW050	1045	1045	600	600	900	1000	600
HCZKW060	1445	1045	600	600	900	1200	600
HCZKW080	1445	1045	600	600	900	1400	600
HCZKW100	1445	1245	600	600	900	1500	600
HCZKW120	1645	1245	600	600	900	1500	600
HCZKW150	1845	1445	600	600	900	1500	800
HCZKW200	2045	1645	600	600	900	1700	800
HCZKW250	2245	1845	600	600	900	1900	800
HCZKW300	2445	1845	600	800	900	1900	800
HCZKW350	2645	2045	600	800	900	1900	800
HCZKW400	2845	2245	600	800	900	1800	1000
HCZKW500	2845	2645	600	800	900	1800	1000
HCZKW600	3065	2865	600	800	900	1800	1000
HCZKW800	3865	3065	600	800	900	1800	1000
HCZKW1000	4465	3265	600	800	900	2100	1000
HCZKW1200	4465	3865	600	800	900	2100	1000
HCZKW1400	4865	4065	600	800	900	2100	1000

- Notes:
1. The dimension of mixing section and outlet section is standard dimension. The requirements on the dimension and position of the air port (if any) depend on the specific situation.
 2. The length of the humidifier section should be adjusted in light of the specific humidification requirements and humidification methods.
 3. For easy repair and maintenance, it is necessary to add an intermediate section before the filtering section and the muffling section and after the surface cooling section.
 4. The data in this table is for reference only, with increase or decrease in the actual design according to the specific circumstance.

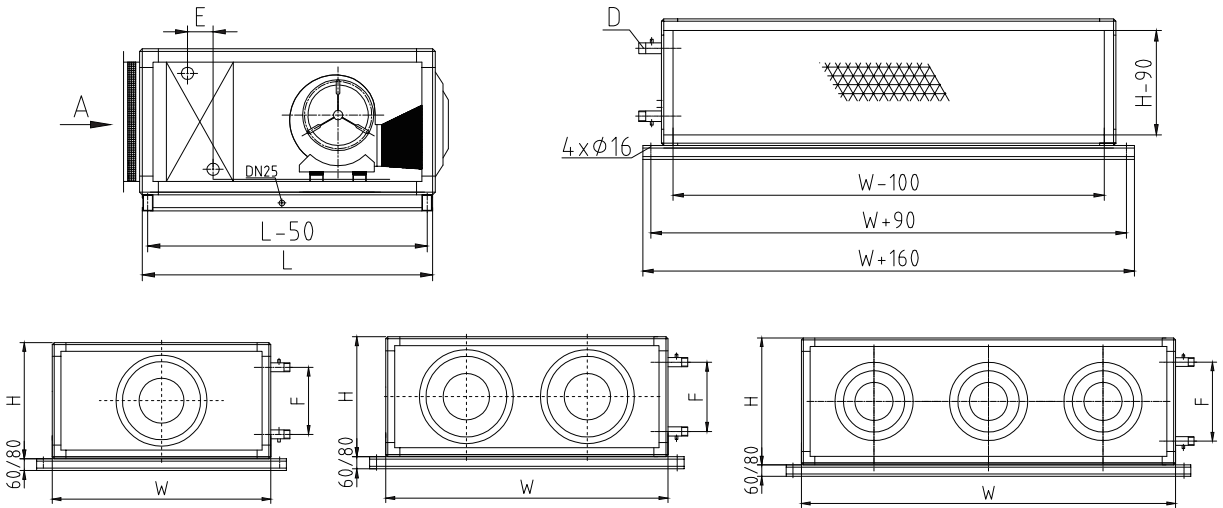
Cabinet type ceiling type air conditioning unit



A向视图

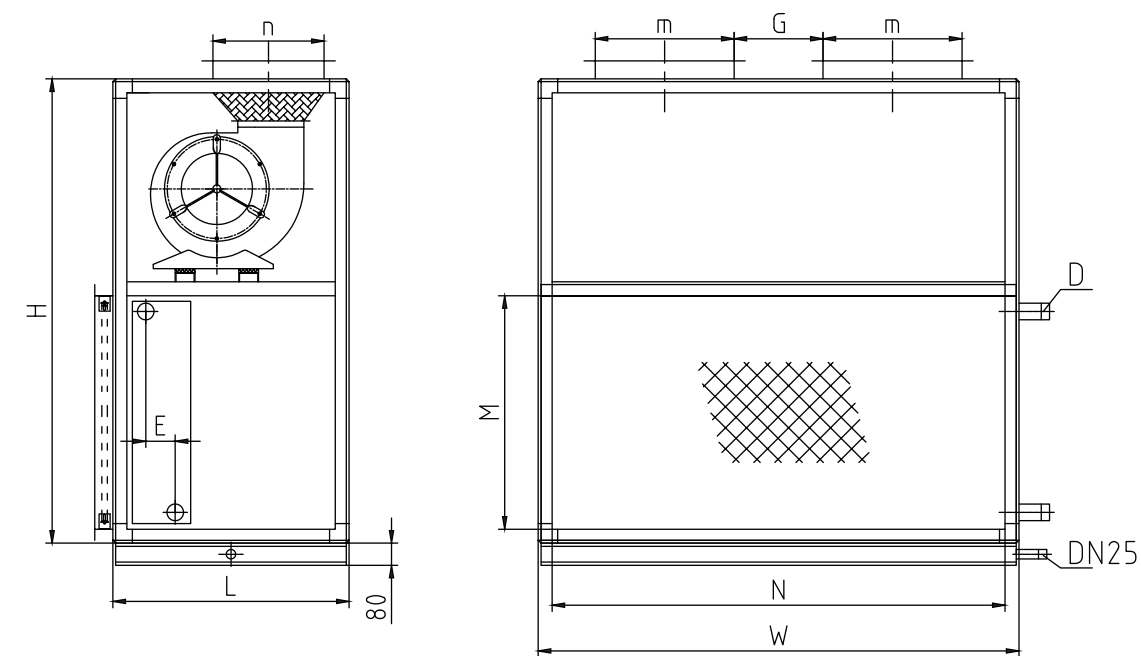
Mode	HCGD010B	HCGD020B	HCGD025B	HCGD030B	HCGD040B	HCGD050B	HCGD060B	HCGD080B	HCGD100B	HCGD125B	HCGD150B
L	845	845	1045	1045	1045	1045	1045	1045	1045	1045	1045
W	645	845	1045	1245	1445	1645	1645	1645	1845	2245	2245
H	445	545	545	545	545	545	545	845	845	845	1045
E	4 rows: E=83mm; 6 rows: E=138mm; 8 rows: E=192mm										
F	231	390	390	390	390	390	390	657	657	657	850
m	250	320	400	400	320	400	400	500	500	500	630
n	200	200	200	250	200	200	250	250	320	400	400
N					600	700	760	820	820	900	1000
D(in)	1.25	1.25	1.5	1.5	1.5	1.5	1.5	2	2	2	2

Cabinet type ceiling jet-flow air conditioning unit



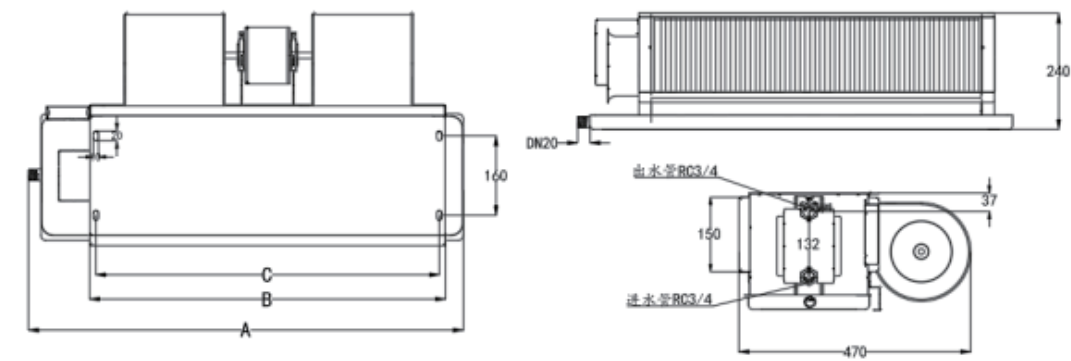
Mode	HCGD010S	HCGD020S	HCGD025S	HCGD030S	HCGD040S	HCGD050S	HCGD060S	HCGD080S	HCGD100S	HCGD125S	HCGD150S
L	845	845	1045	1045	1045	1045	1045	1045	1045	1045	1045
W	645	845	1045	1245	1445	1645	1645	1645	1845	2245	2245
H	445	545	545	545	545	545	545	845	845	845	1045
E	4 rows: E=83mm; 6 rows: E=138mm; 8 rows: E=192mm										
F	231	390	390	390	390	390	390	657	657	657	850
m	250	320	400	400	320	400	400	500	500	500	630
n	200	200	200	250	200	200	250	250	320	400	400
N					600	700	760	820	820	900	1000
D(in)	1.25	1.25	1.5	1.5	1.5	1.5	1.5	2	2	2	2
Jet-flow tuyere specification	φ315	φ400	φ400	φ400	φ400	φ400	φ400	φ400	φ400	φ400	φ400
Quantity of jet-flow tuyeres	1	1	1	1	2	2	2	3	3	3	3

Horizontal and vertical air conditioning unit

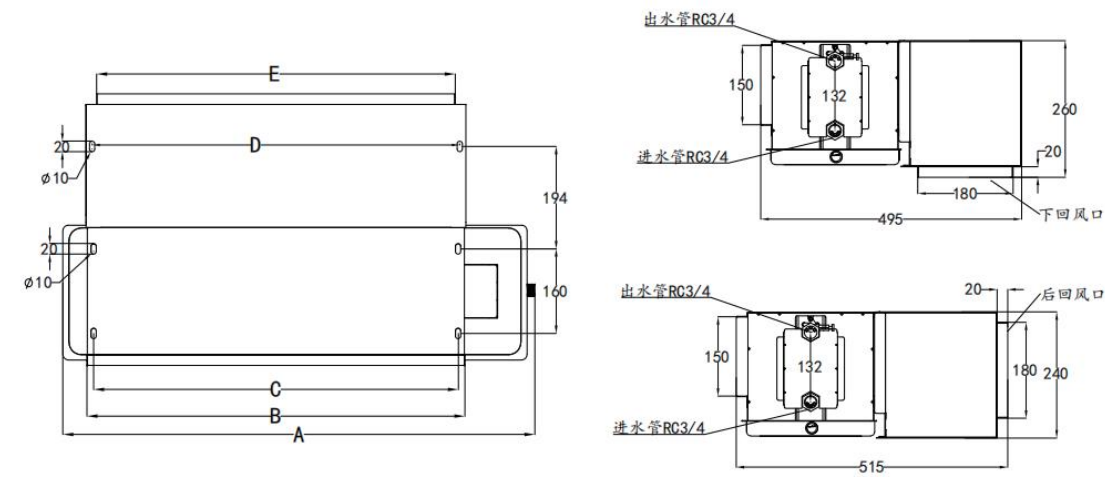


Mode	HCGL030B	HCGL040B	HCGL050B	HCGL060B	HCGL080B	HCGL100B	HCGL120B	HCGL150B	HCGL200B	HCGL250B	HCGL300B	HCGL350B	HCGL400B
L	845	845	845	1045	1045	1045	1045	1045	1245	1245	1245	1245	1245
W	1045	1045	1045	1445	1445	1445	1645	2045	2045	2245	2445	2645	2845
H	1345	1445	1645	1645	1845	2045	2045	2045	2245	2445	2545	2645	2645
E	4 rows: E=83mm; 6 rows: E=138mm; 8 rows: E=192mm												
m	320	400	400	500	400	500	500	630	630	630	800	800	1000
n	320	320	400	320	320	400	400	400	500	630	630	630	630
G					200	200	320	320	350	400	450	450	450
M	560	680	850	690	880	1070	1100	1100	1150	1290	1320	1420	1420
N	955	955	955	1355	1355	1355	1555	1955	1955	2155	2355	2555	2755
D(in)	1.5	1.5	1.5	1.5	2	2	2	2	2	2.5	2.5	3	3

Horizontal Concealed Fan Coil Unit (2-Pipe System, 3-Row Coil)

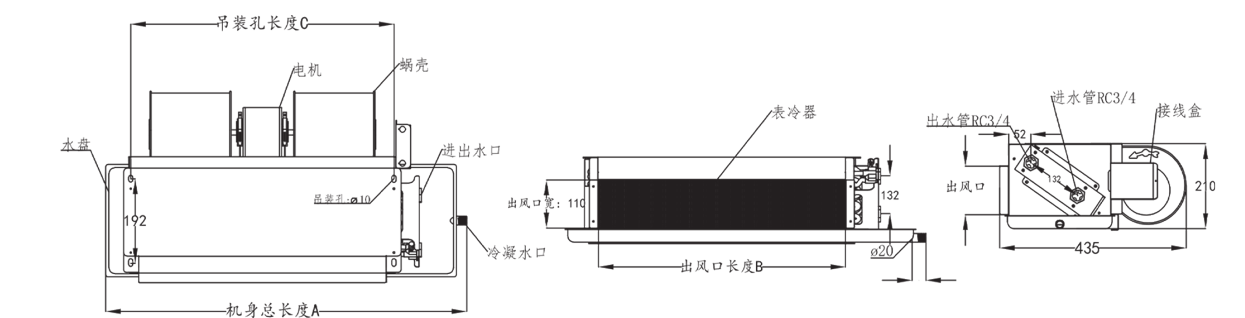


Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Length of machine body A	690	840	920	1055	1155	1460	1510	1760	2010
Air outlet length B	485	635	715	850	950	1255	1305	1555	1805
Lifting hole center length C	460	610	690	825	925	1230	1280	1530	1780



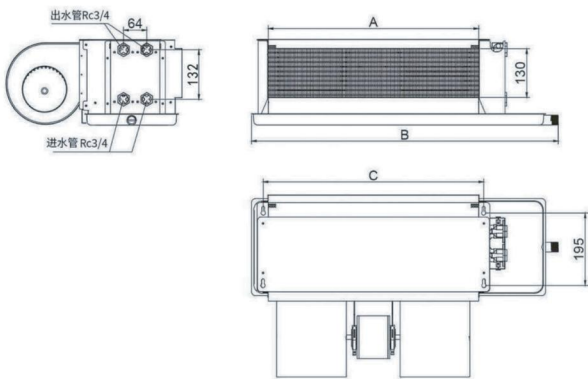
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Length of machine body A	690	840	920	1055	1155	1460	1510	1760	2010
Air outlet length B	485	635	715	850	950	1255	1305	1555	1805
Lifting hole center length C	460	610	690	825	925	1230	1280	1530	1780
Return air box lifting hole center length D	468	618	698	833	933	1238	1288	1538	1788
Length of return air inlet E	450	600	680	815	915	1220	1270	1520	1770

Ultrathin Horizontal Concealed Fan Coil Unit (2-Pipe System, 3-Row Coil)



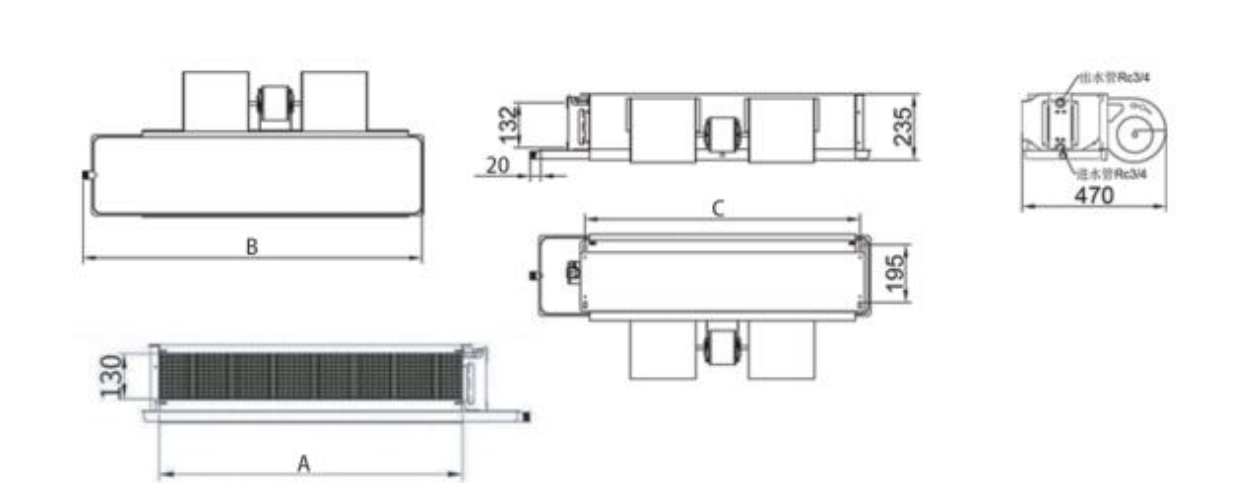
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Length of machine body A	760	860	960	1060	1160	1360	1660	1860	2060
Lifting hole center length C	497	617	687	817	937	1137	1397	1597	1797
Air outlet length B	460	580	650	780	900	1100	1360	1560	1760

Horizontal Concealed Fan Coil Unit (4-Pipe System, 3+1 Row Coil)



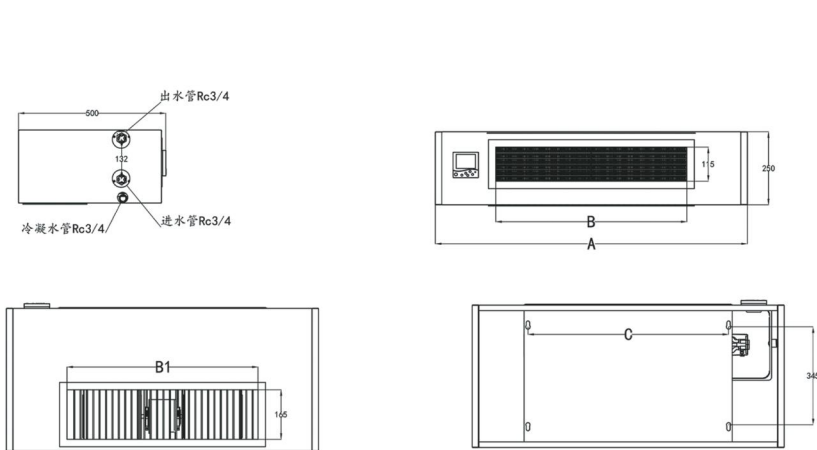
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Air outlet length A	460	580	650	780	900	1100	1360	1560	1760
Total length B	760	860	960	1060	1160	1360	1660	1860	2060
Lifting hole C	490	610	680	810	930	1130	1390	1590	1790

Horizontal Concealed Fan Coil Unit (2-Pipe System, 4-Row Coil)



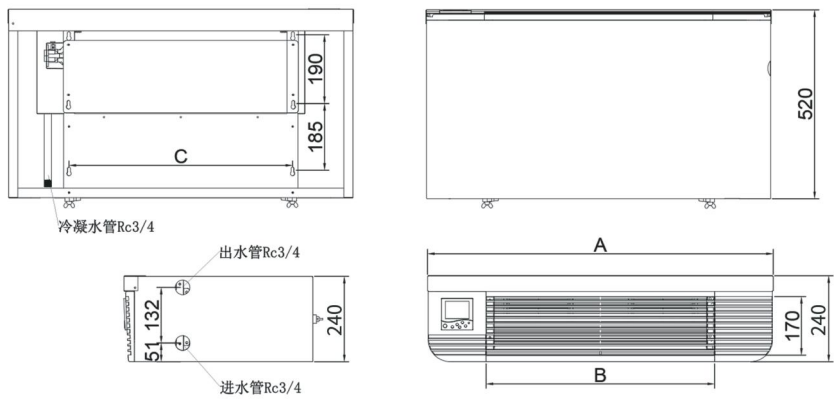
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Air outlet length A	460	580	650	780	900	1100	1360	1560	1760
Total length B	760	860	960	1060	1160	1360	1660	1860	2060
Lifting hole C	490	610	680	810	930	1130	1390	1590	1790

Horizontal Exposed Fan Coil Unit (2-Pipe System, 3-Row Coil)



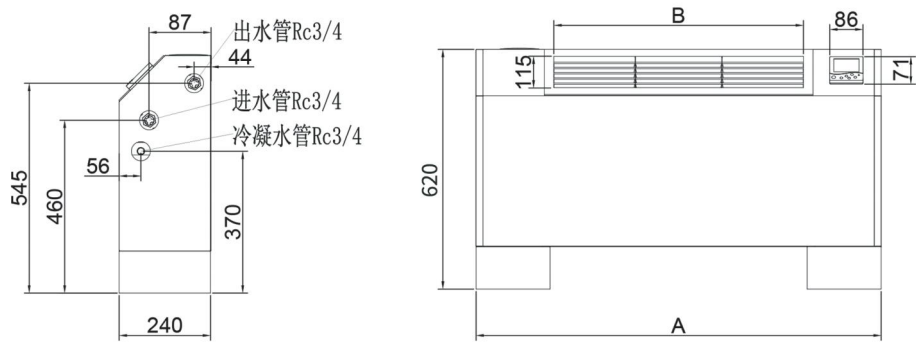
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Total length A	880	980	1050	1180	1300	1500	1760	1960	2160
Air outlet length B	445	565	635	765	885	1085	1345	1545	1745
Return air inlet	445	565	635	765	885	1085	1345	1545	1745
Lifting hole C	490	610	680	810	930	1130	1390	1590	1790

European Horizontal Exposed Fan Coil Unit (2-Pipe System, 3-Row Coil)



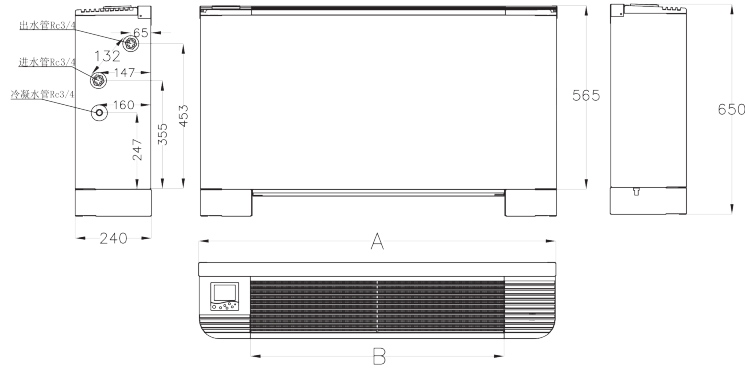
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Length of machine body A	790	940	980	1100	1260	1410	1680	1880	2080
Air outlet length B	460	580	650	780	900	1100	1360	1560	1760
Lifting hole center length C	490	610	680	810	930	1130	1390	1590	1790

Vertical Exposed Fan Coil Unit (2-Pipe System, 3-Row Coil)



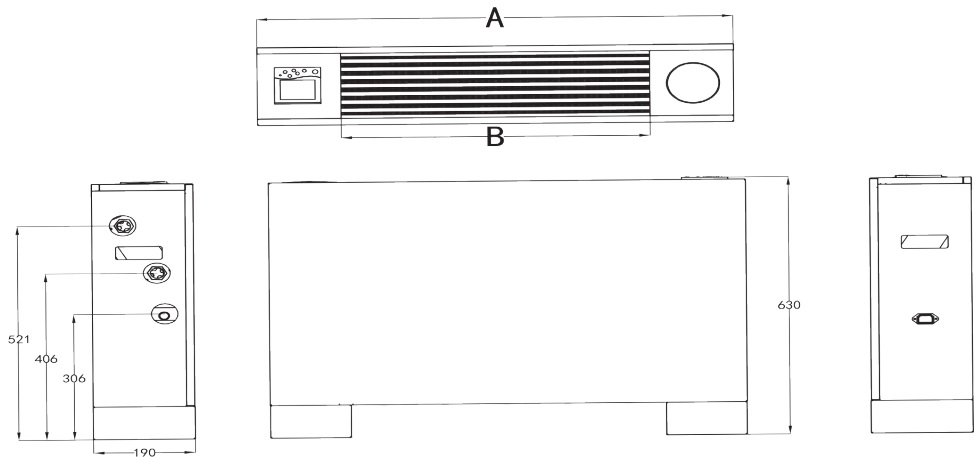
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Air outlet length A	860	980	1050	1180	1300	1500	1760	1960	2160
Air outlet length B	445	565	635	765	885	1085	1345	1545	1745

European Vertical Exposed Fan Coil Unit (2-Pipe System, 3-Row Coil)



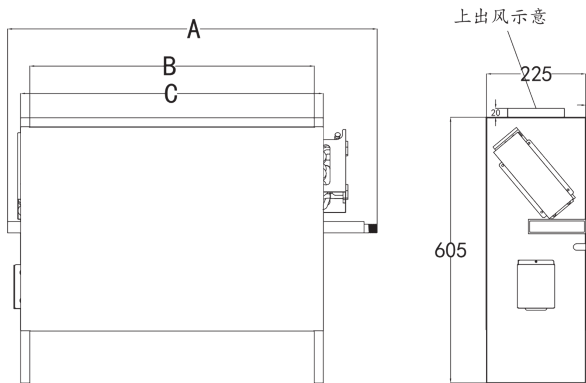
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Air outlet length A	808	958	998	1118	1278	1428	1698	1898	2098
Air outlet length B	460	580	650	780	900	1100	1360	1560	1760

New Vertical Ultra-thin Exposed Fan Coil Unit (2-Pipe System, 3-Row Coil)



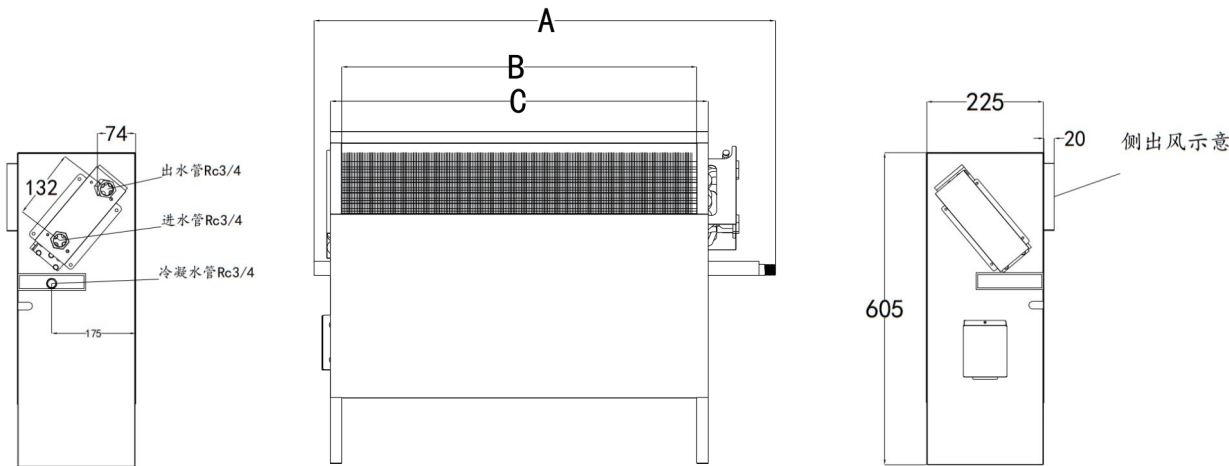
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Air outlet length A	760	880	950	1080	1200	1400	1660	1860	2060
Air outlet length B	460	580	650	780	900	1100	1360	1560	1760

Upper Air Outlet Vertical Concealed Fan Coil Unit (2-Pipe System, 3-Row Coil)



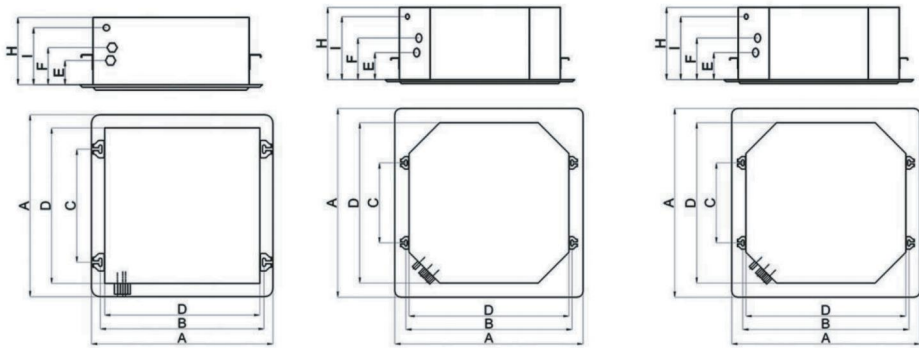
Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Total length A	660	760	850	960	1100	1300	1560	1760	1960
Air outlet length B	460	580	650	780	900	1100	1360	1560	1760
Appearance C	500	620	690	820	940	1140	1400	1600	1800

Vertical Concealed Fan Coil Unit with Side Air Outlet (2-Pipe System, 3-Row Coil)



Mode	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Total length A	660	760	850	960	1100	1300	1560	1760	1960
Air outlet length B	460	580	650	780	900	1100	1360	1560	1760
Appearance C	500	620	690	820	940	1140	1400	1600	1800

Cassette-Type Exposed Fan Coil Unit (With Condensate Lift Pump)

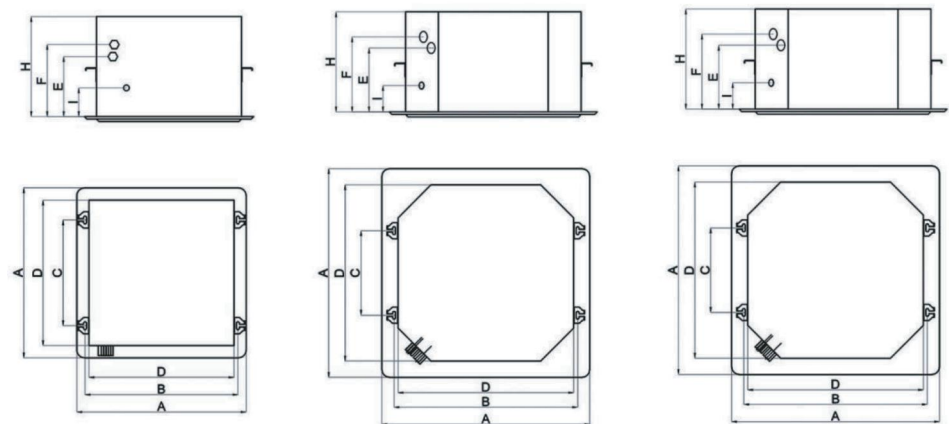


Mode	FP-34	FP-51	FP-68
Panel dimension A	680		
Boom center distance B*C	615*425		
Body dimension D	585		
Body dimension H	250		
Inlet pipe height E	90		
Outlet pipe height F	138		
Condensate pipe height I	212		

Mode	FP-85	FP-102	FP-136
Panel dimension A	835		
Boom center distance B*C	740*340		
Body dimension D	710		
Body dimension H	290		
Inlet pipe height E	145		
Outlet pipe height F	190		
Condensate pipe height I	242		

Mode	FP-170	FP-204	FP-238
Panel dimension A	960		
Boom center distance B*C	865*415		
Body dimension D	835		
Body dimension H	290		
Inlet pipe height E	140		
Outlet pipe height F	185		
Condensate pipe height I	242		

Cassette-Type Exposed Fan Coil Unit (Self-Draining Type)

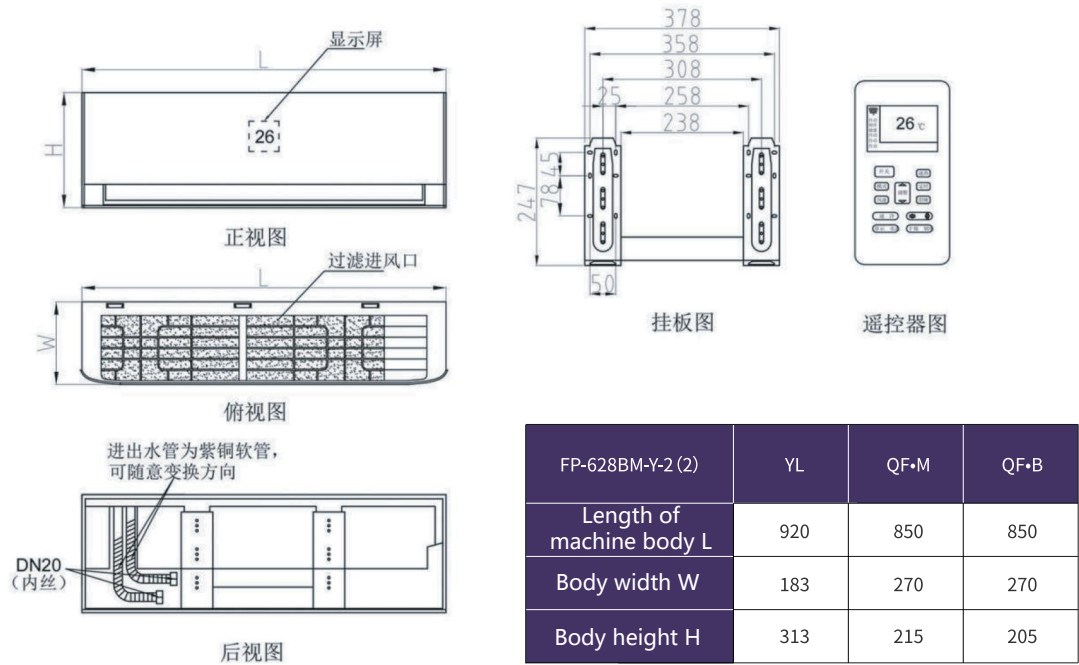


Mode	FP-34	FP-51	FP-68
Panel dimension A	680		
Boom center distance B*C	615*425		
Body dimension D	585		
Body dimension H	400		
Inlet pipe height E	240		
Outlet pipe height F	290		
Condensate pipe height I	115		

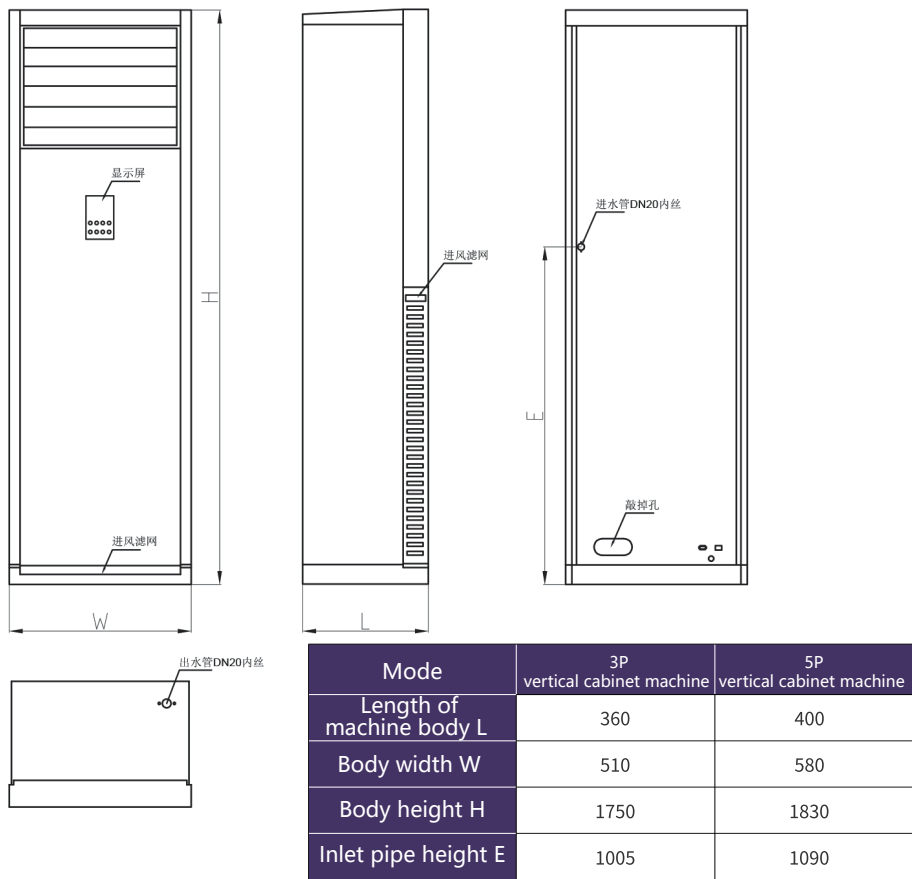
Mode	FP-85	FP-102	FP-136
Panel dimension A	835		
Boom center distance B*C	740*340		
Body dimension D	710		
Body dimension H	400		
Inlet pipe height E	255		
Outlet pipe height F	300		
Condensate pipe height I	105		

型号	FP-170	FP-204	FP-238
面板尺寸A	960		
吊杆中心距B*C	865*415		
机体尺寸D	835		
机体尺寸H	400		
进水管高度E	250		
出水管高度F	300		
冷凝水管高度I	105		

Wall-mounted fan coil unit



Vertical cabinet type fan coil unit



机组基本参数
UNIT PARAMETERS

Medium and low gear cooling capacity correction factor (fan coil)

Mode		FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Medium speed	Total heat	0.87	0.91	0.82	0.81	0.83	0.83	0.78	0.8	0.78
	Sensible heat	0.85	0.88	0.8	0.79	0.81	0.81	0.76	0.78	0.85
Low speed	Total heat	0.69	0.69	0.6	0.58	0.57	0.58	0.57	0.59	0.52
	Sensible heat	0.65	0.65	0.56	0.55	0.53	0.55	0.54	0.56	0.5

Medium and low gear heating capacity correction factor (fan coil)

Mode		FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Medium speed		0.83	0.86	0.77	0.77	0.79	0.78	0.74	0.76	0.74
Low speed		0.65	0.65	0.56	0.55	0.53	0.55	0.54	0.56	0.5

Heating capacity correction factor (fan coil)

Model Inlet air temperature (°C)	40	45	50	55	60	65	70
16	0.62	0.75	0.87	1	1.13	1.26	1.39
17	0.59	0.72	0.85	0.98	1.1	1.23	1.36
18	0.57	0.69	0.82	0.95	1.08	1.21	1.33
19	0.54	0.67	0.8	0.92	1.05	1.18	1.31
20	0.51	0.64	0.77	0.9	1.03	1.16	1.28
21	0.49	0.62	0.75	0.87	1	1.13	1.26
22	0.46	0.59	0.72	0.85	0.98	1.1	1.23
23	0.44	0.57	0.69	0.82	0.95	1.08	1.21
24	0.41	0.54	0.67	0.8	0.92	1.05	1.18

Cooling capacity correction factor (fan coil)

Model Inlet air temperature (°C)	5	6	7	8	9	10
22	0.85	0.75	0.66	0.57	0.49	0.4
23	0.92	0.83	0.74	0.65	0.56	0.47
24	0.98	0.89	0.8	0.71	0.62	0.53
25	1.06	0.97	0.88	0.79	0.7	0.61
26	1.14	1.05	0.96	0.87	0.78	0.69
27	1.21	1.12	1	0.94	0.85	0.76
28	1.27	1.18	1.09	0.99	0.91	0.82