



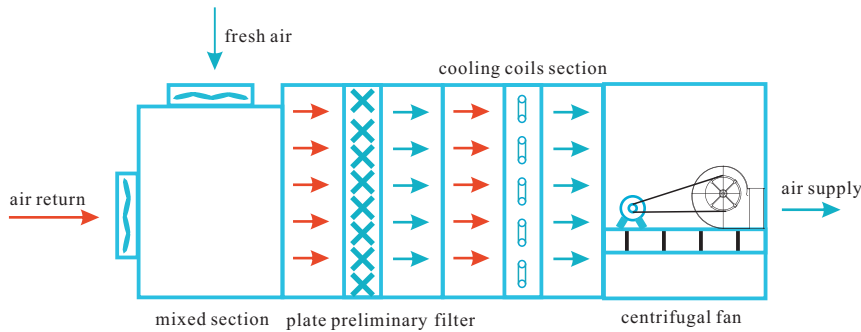
air handling unit

Common Functions Combination

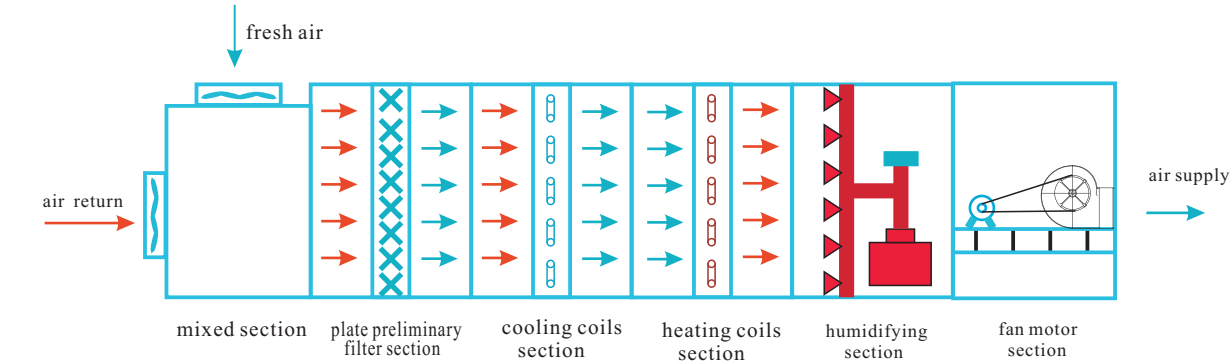
Common Functions Illustration

Air inlet/outlet section	Filter section	Air flow section	Coils section	Fan motor section	Humidifying section	Sound silencing section	Maintenance section	Other section
air inlet & exhaust air supply section	plate preliminary & medium filter	fan section with diffuser	cooling section	centrifugal fan	dry steam humidifying	sound silencing section	maintenance section	electric heater section
inlet air filter section	foldaway preliminary & medium filter	air distributary section	heating section (hot water / steam)		humidifying section electrode/electric heater			ultraviolet sterilization section
mixed section	bag preliminary & medium filter	secondary air return section						ozone sterilization section
mixed filter section								

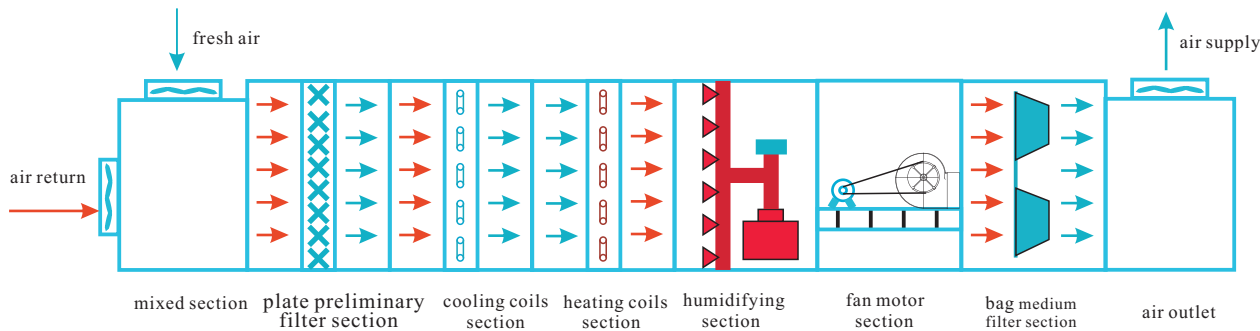
1.Application for the comfortable places



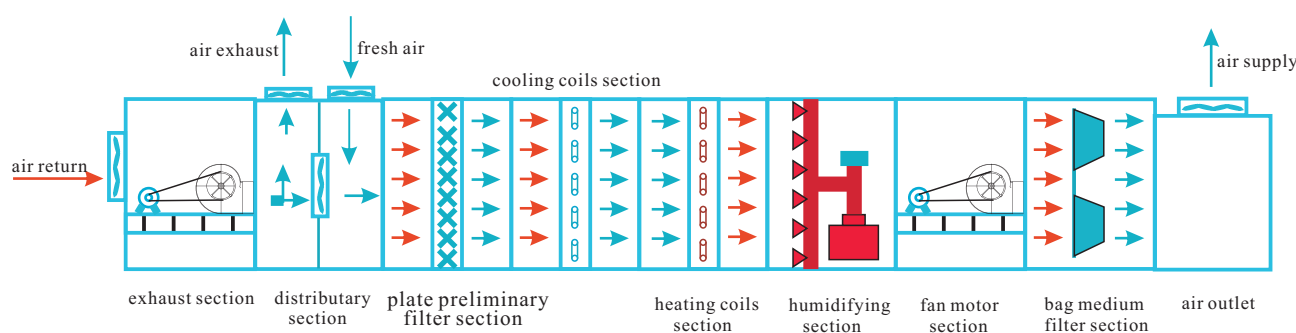
2.Application for the places required some general manufacturability requirements



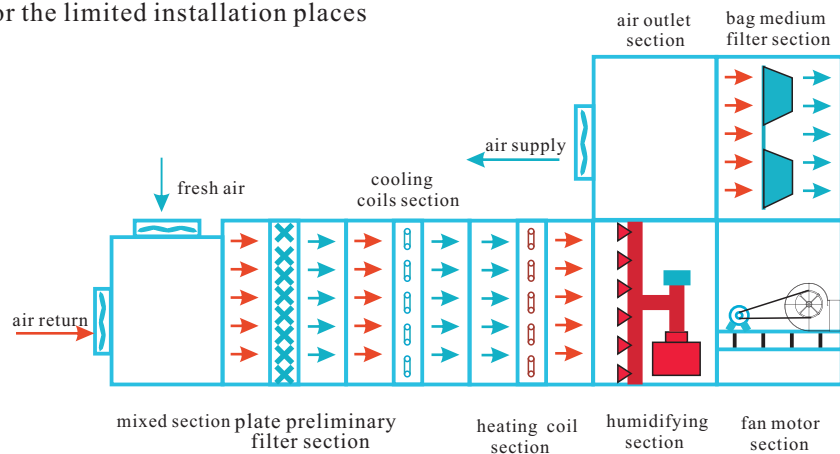
3.Application for places required general purification



4.Application for the places required higher purification



5.Application for the limited installation places

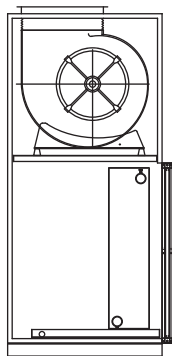


Air handling unit

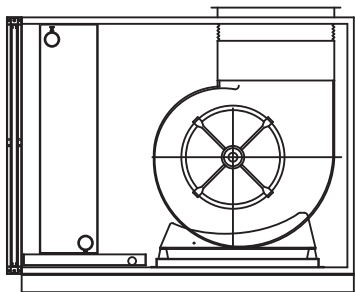


Standard AHU series

Vertical Type

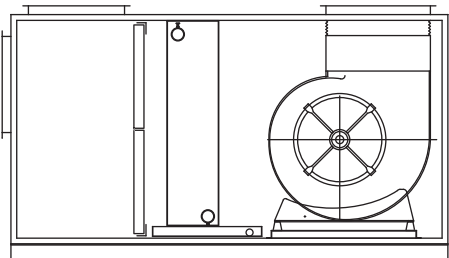


Horizontal Type A



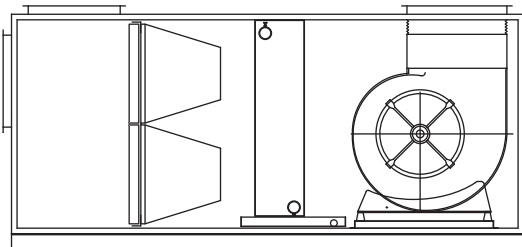
External filter+cooling coils section+fan motor section

Horizontal Type B



Mixed section+primary filter section + coils section+ fan section

Horizontal Type C



Mixed section+primary filter section middle filter section + coils section+ fan section

Wet film humidifier

It is a humidifying equipment on air , which based on the water molecules naturally evaporation.wet film thickness optional for 50mm or 100mm. water supplying amount is 3times of humidifying amount.

Usage conditions of wet film humidifier

- Ambient Temp humidifier : 5~80°C, less than 90%RH
- Limited wind speed less than 3.75m/s
- Water-supplying quality Tap water, Pure water
- Water-supplying state 0.05~0.4MPa, 5~40°C.
- Water-supplying amount: 3times of humidifying amount, inlet water pipe size: Dn15 G1/2
- Power: AC220V/50(60)HZ

Humidifying amount of RSMZ

Model WZK	020	030	040	050	060	070	080	090	105	120	135	150	180	210	240	270	300	330	350	400	450	500
Humidifying amount of 50mm(kg/h)	4.6	6.2	8.5	10	12.5	14.5	17	20	23	26	30	32.5	39	45	52	58	64	70.5	75	79	89	100
Humidifying amount of 100mm(kg/h)	9.2	12.4	17	20	25	29	34	40	46	52	60	65	78	90	104	116	128	141	150	158	178	200

Parameter of Standard Type

1.Air Return Condition

Model	air flow	4 rows pipe						6 rows pipe					
		cooling capacity	heating capacity	water flow	water resistance	chilled water pipe	condensate water pipe	cooling capacity	heating capacity	water flow	water resistance	chilled water pipe	condensate water pipe
WZK	m³/h	kW	kW	l/s	kPa	DN	DN	kW	kW	l/s	kPa	DN	DN
020	2000	11.1	22.7	0.5	7.5	40	25	14.8	27.6	0.7	18.1	40	25
030	3000	17.2	35.2	0.8	13.8	40	25	22.7	41.9	1.1	32.4	40	25
040	4000	23.5	47.2	1.1	20.7	40	25	29.6	54.6	1.4	44.9	40	25
050	5000	28.3	56.9	1.3	19.9	40	25	34.5	64.5	1.6	40.3	40	25
060	6000	35.2	69.2	1.7	27.0	40	25	42.4	78.2	2.0	53.5	40	25
070	7000	41.1	80.8	2.0	31.9	50	25	48.8	92.5	2.3	23.4	50	25
080	8000	48.3	93.8	2.3	46.9	50	25	57.2	106.7	2.7	34.0	50	25
090	9000	52.3	102.7	2.5	42.4	50	25	65.1	120.6	3.1	30.0	50	25
105	10500	59.8	115.8	2.8	60.0	50	25	74.2	138.1	3.5	42.4	50	25
120	12000	69.9	136.7	3.3	46.0	50	25	89.9	165.3	4.3	32.3	50	25
135B	13500	79.2	158.4	3.8	20.8	65	32	104.1	187.7	5.0	46.7	65	32
150	15000	90.6	172.8	4.3	61.5	65	32	115.0	207.6	5.5	50.3	65	32
180	18000	106.9	210.9	5.1	31.8	65	32	136.4	252.5	6.5	21.0	65	32
210	21000	126.7	247.3	6.0	36.3	65	32	157.4	289.4	7.5	26.4	65	32
240	24000	148.9	285.7	7.1	53.4	65	32	181.9	332.2	8.7	37.7	65	32
270	27000	167.4	321.4	8.0	55.1	65	32	204.7	372.0	9.8	39.0	65	32
300	30000	186.2	357.1	8.9	56.8	65	32	226.1	413.4	10.8	39.8	65	32
330	33000	204.7	392.8	9.8	72.3	80	32	253.0	456.8	12.1	52.2	80	32
350	35000	220.2	416.6	10.5	85.6	80	32	271.3	486.9	12.9	61.6	80	32
400	40000	230.9	450.9	11.0	69.2	80	32	299.8	546.1	14.3	52.5	80	32
450	45000	248.2	484.8	11.8	71.5	80	32	341.1	617.2	16.3	59.8	80	32
500	50000	275.7	538.6	13.1	79.1	80	32	379.0	685.9	18.1	65.9	80	32

- Notes:
1. Cooling: air inlet D/B 27°C, W/B 19.5°C, water inet/outlet 7°C/ 12 °C;
- Heating: air inlet D/B 15°C, hot water inlet water Temp 60 °C;
2. All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.



Parameter of Standard Type

2.Fresh Air Condition

Model	Air flow	4 rows pipe						6 rows pipe					
		cooling capacity	heating capacity	water flow	water resistance	chilled water pipe	condensate water pipe	cooling capacity	heating capacity	water flow	water resistance	chilled water pipe	condensate water pipe
WZK	m³/h	kW	kW	l/s	kPa	DN	DN	kW	kW	l/s	kPa	DN	DN
020	2000	27.5	30.8	1.6	54.5	50	25	33.7	34.2	1.6	26.7	50	25
030	3000	40.6	44.3	1.9	31.9	50	25	47.9	48.9	2.3	45.9	50	25
040	4000	54.8	58.9	2.6	49.8	50	25	63.8	67.0	3.0	32.4	50	25
050	5000	68.4	73.9	3.3	49.4	50	25	79.8	83.9	3.8	29.6	50	25
060	6000	81.1	84.9	6.0	46.2	50	25	97.9	100.5	4.7	39.4	50	25
070	7000	89.5	95.1	6.6	49.4	65	25	115.4	116.7	5.5	48.0	65	25
080	8000	101.8	108.6	6.6	63.4	65	25	127.7	134.5	6.1	21.6	65	25
090	9000	116.9	123.6	7.7	57.3	65	25	140.5	146.7	6.7	20.5	65	25
105	10500	145.4	154.9	7.7	62.6	65	25	162.1	167.3	7.7	29.3	65	25
120	12000	157.9	175.4	7.7	66.7	65	25	193.6	196.5	9.2	43.0	65	25
135	13500	173.1	195.3	8.2	13.8	80	32	222.6	223.1	10.6	61.1	80	32
150	15000	194.8	221.4	9.3	15.6	80	32	252.6	252.3	12.0	69.3	80	32
180	18000	230.6	257.5	11.0	20.7	80	32	293.6	296.1	13.1	71.8	80	32
210	21000	276.4	303.7	13.2	28.1	80	32	331.5	336.1	13.9	78.3	80	32
240	24000	319.9	348.9	15.2	39.6	80	32	*366.2	*380.6	*12.5	*70.7	80	32
270	27000	360.1	389.7	17.1	42.6	80	32	*409.6	*428.2	*13.9	*72.4	80	32
300	30000	384.2	420.6	18.3	43.2	80	32	*455.2	*473.6	*15.5	*75.0	80	32
330	33000	445.8	481.9	21.2	59.8	80	32	*503.6	*523.3	*17.1	*96.3	80	32
350	35000	454.3	490.6	21.6	63.7	80	32	*552.5	*578.3	*15.5	*83.6	80	32
400	40000	477.2	525.3	22.7	40.3	80	32	*589.3	*622.5	*18.7	*83.5	80	32
450	45000	536.8	594.1	25.6	45.3	80	32	*647.2	*679.6	*19.3	*79.8	80	32
500	50000	605.2	663.9	28.8	51.6	80	32	*727.9	*774.6	*21.7	*89.9	80	32

- Notes:
- 1. Cooling: air inlet D/B 35℃, W/B 28℃, water inet/outlet 7℃/ 12℃; Heating: air inlet D/B 7℃, hot water inlet water Temp 60℃;
 - 2. “*” refer to the temp difference between inlet water and outlet water is less than 5℃, to control water pressure difference.
 - 3. All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.

Parameter of Standard Type

3.Air return air condition(heating coil pipe- 4 rows)

Model	Air flow	1 row				2 row			
		heating capacity	water flow	water resistance	water pipe size	heating capacity	water flow	water resistance	water pipe size
WZK	m³/h	kW	l/s	kPa	DN	kW	l/s	kPa	DN
020	2000	6.8	0.2	0.2	40	13.7	0.3	1.2	40
030	3000	10.3	0.3	0.3	40	20.1	0.5	2.0	40
040	4000	13.9	0.3	0.5	40	27.3	0.7	3.0	40
050	5000	18.4	0.5	0.5	40	35.9	0.9	3.3	40
060	6000	23.3	0.6	0.7	40	43.8	1.1	4.3	40
070	7000	27.7	0.7	0.9	40	50.9	1.2	5.1	40
080	8000	32.6	0.8	1.3	40	56.9	1.4	6.4	40
090	9000	37.1	0.9	1.3	40	64.5	1.6	6.5	40
105	10500	41.9	1.0	1.8	40	77.8	1.9	10.3	40
120	12000	48.8	1.2	2.5	40	88.9	2.2	14.2	40
135	13500	56.5	1.4	3.7	40	101.6	2.5	20.4	40
150	15000	61.8	1.5	3.9	40	110.1	2.7	21.1	40
180	18000	75.3	1.8	5.4	40	135.3	3.3	29.2	40
210	21000	88.9	2.2	7.0	40	157.9	3.9	37.5	40
240	24000	103.2	2.5	10.2	40	174.7	4.3	7.7	40
270	27000	115.9	2.8	10.3	40	196.6	4.8	7.8	40
300	30000	128.9	3.1	10.4	40	216.4	5.3	7.7	40
330	33000	141.8	3.5	13.4	40	240.2	5.9	10.1	40
350	35000	150.4	3.7	15.6	40	254.8	6.2	11.7	40
400	40000	167.1	4.1	13.9	40	281.6	6.9	10.4	40
450	45000	187.8	4.6	15.3	40	322.2	7.9	11.8	40
500	50000	208.9	5.1	16.7	40	358.1	8.7	12.8	40

- Notes:
- 1.Heating: air inlet D/B 15℃, hot water inlet water Temp 60℃, outlet water Temp 50℃;
 - 2.All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.



Parameter of Standard Type

5.Fresh air condition (heating coil pipe-4rows)

Model	Air flow	1 row				2 row			
		heating capacity	water flow	water resistance	water pipe size	heating capacity	water flow	water resistance	water pipe size
WZK	m³/h	kW	l/s	kPa	DN	kW	l/s	kPa	DN
020	2000	9.1	0.2	0.3	40	16.6	0.4	1.7	40
030	3000	13.6	0.3	0.5	40	25.8	0.6	3.1	40
040	4000	18.5	0.5	0.8	40	33.3	0.8	4.2	40
050	5000	23.3	0.6	0.8	40	43.6	1.1	4.6	40
060	6000	28.8	0.7	1.0	40	50.7	1.2	5.5	40
070	7000	33.9	0.8	1.3	40	63.0	1.5	7.2	40
080	8000	40.1	1.0	1.9	40	73.2	1.8	10.5	40
090	9000	45.6	1.1	1.8	40	78.5	1.9	9.1	40
105	10500	51.7	1.3	2.5	40	92.9	2.3	14.0	40
120	12000	59.1	1.4	3.5	40	106.3	2.6	19.2	40
135	13500	69.3	1.7	5.3	40	123.4	3.0	28.4	40
150	15000	76.0	1.9	5.5	40	134.8	3.3	29.5	40
180	18000	92.4	2.3	7.6	40	162.0	3.9	39.7	40
210	21000	109.3	2.7	10.0	40	182.9	4.5	7.4	40
240	24000	124.9	3.0	14.1	40	212.5	5.2	10.7	40
270	27000	140.5	3.4	14.3	40	237.1	5.8	10.7	40
300	30000	155.9	3.8	14.4	40	261.4	6.4	10.7	40
330	33000	174.1	4.2	19.0	40	292.2	7.1	14.1	40
350	35000	184.5	4.5	22.1	40	309.9	7.6	16.4	40
400	40000	202.4	4.9	19.2	40	342.8	8.4	14.5	40
450	45000	227.7	5.6	21.2	40	385.8	9.4	16.0	40
500	50000	256.2	6.2	23.6	40	423.6	10.3	17.1	40

Notes:
1. Heating: air inlet D/B 7℃, hot water inlet water Temp 60℃; outlet water Temp 50℃;
2. All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.

Parameter of Standard Type

5.Vertical Standard Type, Horizontal Standard Type A

Model	Air flow	External Static Pressure (Pa)				Power of fan motor		Noise
		Horizontal Standard Type A		Vertical Standard Type A		Horizontal Standard Type A	Vertical Standard Type A	
WZK	m³/h	4 row	6 row	4 row	6 row	kW		dB(A)
020	2000	220	170	220	170	0.55	0.55	55.0
030	3000	220	170	220	170	0.75	0.75	58.0
040	4000	220	170	220	170	1.1	1.1	59.0
050	5000	220	170	220	170	1.1	1.1	61.0
060	6000	220	170	220	170	1.5	1.5	62.0
070	7000	270	220	270	220	2.2	2.2	64.0
080	8000	270	220	270	220	2.2	2.2	64.0
090	9000	270	220	270	220	2.2	2.2	65.0
105	10500	270	220	270	220	3.0	3.0	66.0
120	12000	270	220	270	220	3.0	3.0	67.0
135	13500	270	220	270	220	4.0	4.0	68.0
150	15000	270	220	270	220	4.0	4.0	68.0
180	18000	320	270	320	270	5.5	5.5	69.0
210	21000	320	270	320	270	7.5	7.5	70.0
240	24000	320	270	320	270	7.5	7.5	71.0
270	27000	420	370	420	370	11.0	11.0	72.0
300	30000	420	370	420	370	11.0	11.0	73.0
330	33000	420	370	420	370	15.0	15.0	73.0
350	35000	470	420	470	420	15.0	15.0	73.5
400	40000	420	370	420	370	15.0	15.0	73.5
450	45000	420	370	420	370	18.5	18.5	74.0
500	50000	420	370	420	370	22.0	22.0	74.0

Notes:
1.External static pressure is changeable, pls refer to the power comparison of fan motor in Page 22.
2.Standard filter is nylon net, G3/G4 plate filter, ESP should be decrease by 30Pa.

Parameter of Standard Type

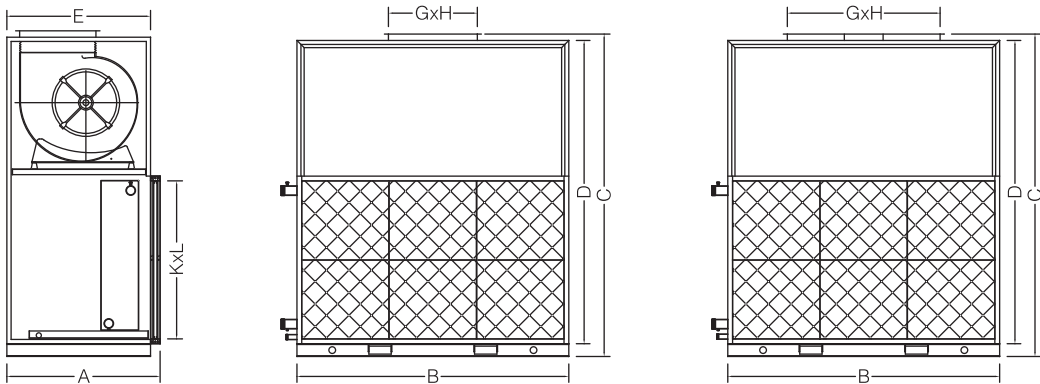
6. Horizontal Standard Type B,C

Model	Air flow	External Static Pressure (Pa)				Power of fan motor		Noise
		Horizontal Standard Type B		Horizontal Standard Type C		Horizontal Standard Type B		
WZK	m³/h	4 row	6 row	4 row	6 row	kW		dB(A)
020	2000	220	170	220	170	0.55	0.75	57.0
030	3000	220	170	220	170	0.75	1.1	59.0
040	4000	220	170	220	170	1.1	1.5	60.0
050	5000	220	170	220	170	1.5	1.5	62.0
060	6000	220	170	220	170	2.2	2.2	63.0
070	7000	270	220	270	220	2.2	2.2	65.0
080	8000	270	220	270	220	2.2	3.0	65.0
090	9000	270	220	270	220	3.0	3.0	66.0
105	10500	270	220	270	220	3.0	4.0	67.0
120	12000	270	220	270	220	3.0	4.0	68.0
135	13500	270	220	270	220	4.0	4.0	69.0
150	15000	270	220	270	220	5.5	5.5	69.0
180	18000	320	270	320	270	5.5	7.5	70.0
210	21000	320	270	320	270	7.5	11.0	71.0
240	24000	320	270	320	270	7.5	11.0	72.0
270	27000	420	370	370	320	11.0	11.0	73.0
300	30000	420	370	370	320	15.0	15.0	74.0
330	33000	420	370	370	320	15.0	15.0	74.0
350	35000	420	370	370	320	15.0	15.0	75.0
400	40000	420	370	370	320	15.0	15.0	75.0
450	45000	420	370	370	320	18.5	18.5	76.0
500	50000	420	370	370	320	22.0	22.0	76.0

Notes:
1.External static pressure is changeable, pls refer to the power comparison of fan motor in Page 24/26.
2.Standard filter is nylon net, G3/G4 plate filter, ESP should be decrease by 30Pa.

Dimension & Weight of Standard Type

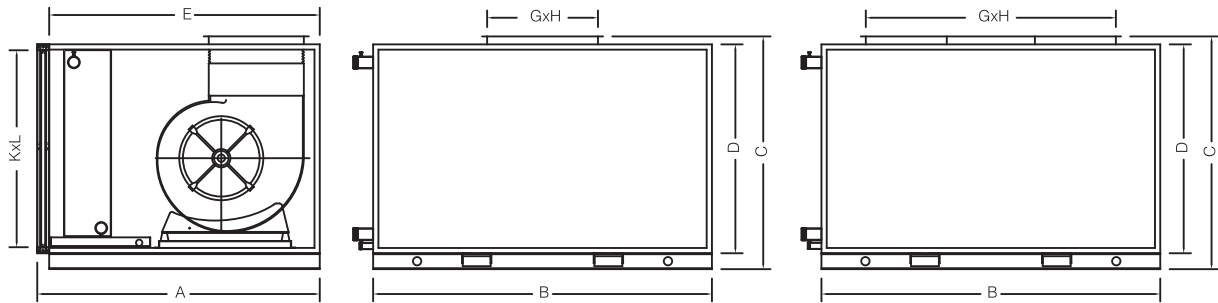
1.Vertical Standard Type



Model WZK	A	B	C	D	E	G	H	K	L	Weight (kg)	
										4 row	6 row
020	710	850	1153	1050	650	232	262	440	790	137	143
030	710	950	1203	1100	650	298	262	490	890	153	160
040	710	1050	1403	1300	650	331	289	590	990	175	183
050	810	1050	1553	1450	750	309	341	720	990	206	216
060	810	1150	1603	1500	750	395	341	790	1090	231	244
070	810	1200	1753	1650	750	373	404	840	1140	257	272
080	810	1350	1753	1650	750	373	404	840	1290	272	289
090	960	1350	2003	1900	900	430	478	970	1290	326	344
105	960	1550	2003	1900	900	430	478	970	1490	360	386
120	960	1700	2003	1900	900	557	478	970	1640	367	394
135	960	1950	2020	1900	900	1040	404	990	1890	481	510
150	960	1950	2070	1950	900	1040	404	1040	1890	491	528
180	960	2150	2220	2100	900	1203	478	1140	2090	570	611
210	960	2350	2270	2150	900	1203	478	1190	2290	631	673
240	960	2650	2270	2150	900	1572	478	1190	2590	682	730
270	960	2650	2420	2300	900	1572	478	1320	2590	735	789
300	960	2650	2520	2400	900	1572	478	1440	2590	786	845
330	1160	2900	2620	2500	1100	1588	569	1440	2840	952	1018
350	1160	3050	2670	2550	1100	1776	638	1440	2990	1020	1089
400	1160	3050	2920	2800	1100	1776	638	1690	2990	1067	1150
450	1160	3050	3070	2950	1100	1776	638	1840	2990	1112	1204
500	1160	3150	3220	3100	1100	1776	638	1940	3090	1194	1320

Dimension & Weight of Standard Type

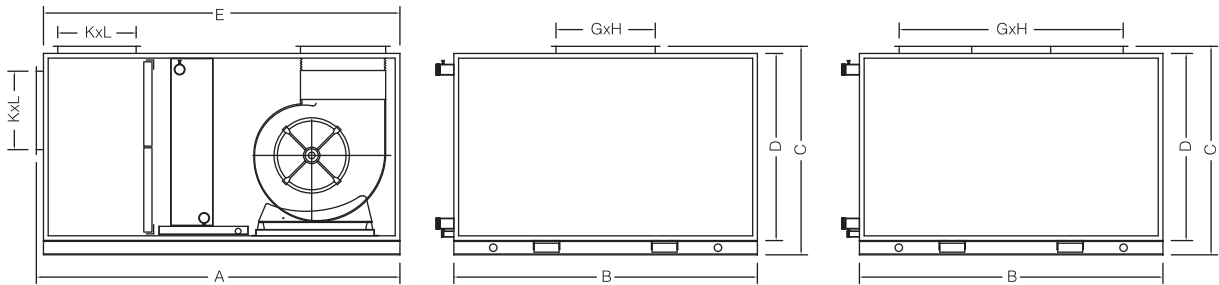
2.Horizontal Standard Type A



Model WZK	A	B	C	D	E	G	H	K	L	Weight (kg)	
										4row	6row
020	820	850	690	600	740	232	262	550	800	129	136
030	1030	950	690	600	950	298	262	550	900	148	155
040	1030	1050	760	670	950	331	289	620	1000	167	175
050	1030	1050	890	800	950	309	341	750	1000	186	197
060	1030	1150	960	870	950	395	341	820	1100	211	223
070	1130	1200	1045	955	1050	373	404	905	1150	242	257
080	1130	1350	1045	955	1050	373	404	905	1300	256	272
090	1280	1350	1145	1055	1200	430	478	1005	1300	299	318
105	1280	1550	1145	1055	1200	430	478	1005	1500	325	346
120	1280	1700	1145	1055	1200	557	478	1005	1650	350	372
135	1280	1950	1175	1055	1200	1040	404	1005	1900	442	468
150	1280	1950	1275	1155	1200	1040	404	1105	1900	447	478
180	1380	2150	1320	1200	1300	1203	478	1150	2100	539	580
210	1380	2350	1375	1255	1300	1203	478	1205	2300	584	626
240	1380	2650	1375	1255	1300	1572	478	1205	2600	644	692
270	1380	2650	1500	1380	1300	1572	478	1330	2600	728	780
300	1480	2650	1620	1500	1400	1572	478	1450	2600	761	815
330	1580	2900	1620	1500	1500	1588	569	1450	2850	882	947
350	1680	3050	1620	1500	1600	1776	638	1450	3000	953	1032
400	1730	3050	1875	1755	1650	1776	638	1705	3000	986	1079
450	1730	3050	2000	1880	1650	1776	638	1830	3000	1070	1180
500	1730	3150	2130	2010	1650	1776	638	1960	3100	1097	1221

Dimension & Weight of Standard Type

2.Horizontal Standard Type B

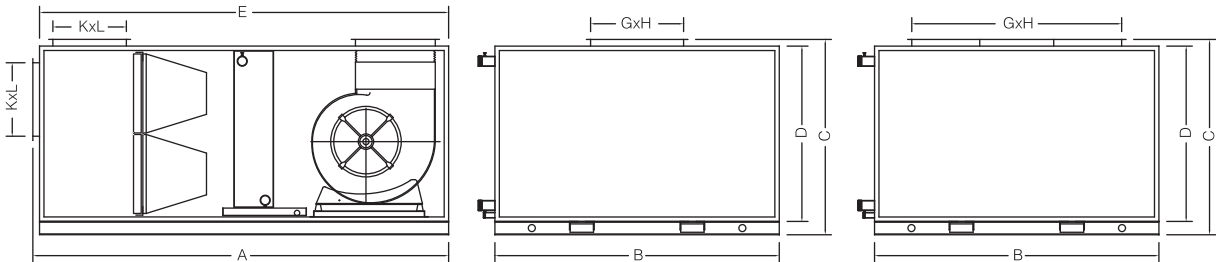


Model WZK	A	B	C	D	E	G	H	K	L	Weight (kg)	
										4row	6row
020	1540	850	690	600	1500	232	262	160	600	158	165
030	1590	950	690	600	1550	298	262	300	600	177	184
040	1640	1050	760	670	1600	331	289	300	700	201	209
050	1640	1050	890	800	1600	309	341	300	800	230	241
060	1640	1150	960	870	1600	395	341	300	900	261	273
070	1740	1200	1045	955	1700	373	404	300	1000	288	303
080	1740	1350	1045	955	1700	373	404	300	1100	319	335
090	1990	1350	1145	1055	1950	430	478	440	1000	343	362
105	1990	1550	1145	1055	1950	430	478	440	1100	392	413
120	2040	1700	1145	1055	2000	557	478	440	1200	426	448
135	1940	1950	1175	1055	1900	1040	404	440	1300	525	551
150	1940	1950	1275	1155	1900	1040	404	440	1500	569	600
180	2090	2150	1320	1200	2050	1203	478	440	1700	652	693
210	2090	2350	1375	1255	2050	1203	478	440	1900	707	749
240	2090	2650	1375	1255	2050	1572	478	440	2200	780	828
270	2290	2650	1500	1380	2250	1572	478	580	2200	912	964
300	2340	2650	1620	1500	2300	1572	478	580	2300	958	1012
330	2390	2900	1620	1500	2350	1588	569	580	2400	1084	1149
350	2490	3050	1620	1500	2450	1776	638	580	2400	1170	1249
400	2540	3050	1875	1755	2500	1776	638	580	2600	1202	1295
450	2540	3050	2000	1880	2500	1776	638	580	2800	1285	1395
500	2640	3150	2130	2010	2600	1776	638	630	2800	1324	1448



Dimension & Weight of Standard Type

4.Horizontal Standard Type C



Model WZK	A	B	C	D	E	G	H	K	L	Weight (kg)	
										4row	6row
020	1990	850	690	600	1950	232	262	160	600	176	181
030	2040	950	690	600	2000	298	262	300	600	197	203
040	2090	1050	760	670	2050	331	289	300	700	224	232
050	2090	1050	890	800	2050	309	341	300	800	249	259
060	2090	1150	960	870	2050	395	341	300	900	282	295
070	2190	1200	1045	955	2150	373	404	300	1000	310	324
080	2190	1350	1045	955	2150	373	404	300	1100	345	362
090	2440	1350	1145	1055	2400	430	478	440	1000	394	412
105	2440	1550	1145	1055	2400	430	478	440	1100	433	453
120	2490	1700	1145	1055	2450	557	478	440	1200	471	494
135	2390	1950	1175	1055	2350	1040	404	440	1300	574	598
150	2390	1950	1275	1155	2350	1040	404	440	1500	622	649
180	2540	2150	1320	1200	2500	1203	478	440	1700	727	759
210	2540	2350	1375	1255	2500	1203	478	440	1900	809	842
240	2540	2650	1375	1255	2500	1572	478	440	2200	885	922
270	2740	2650	1500	1380	2700	1572	478	580	2200	978	1022
300	2790	2650	1620	1500	2750	1572	478	580	2300	1033	1092
330	2840	2900	1620	1500	2800	1588	569	580	2400	1185	1250
350	2940	3050	1620	1500	2900	1776	638	580	2400	1246	1316
400	2940	3050	1875	1755	2900	1776	638	580	2600	1306	1400
450	2940	3050	2000	1880	2900	1776	638	580	2800	1421	1539
500	3040	3150	2130	2010	3000	1776	638	630	2800	1462	1597

Standard Series’ Power Comparison List of Fan Motor

1.Vertical Standard Series, Horizontal Standard Type A

Model WZK	Air flow amount (m³/h)	Rows of cooling coil pipe	Corresponding power of fan motor(kW)withthe outside static pressure (Pa)											
			120	170	220	270	320	370	420	470	520	570	620	670
020	2000	4	0.55	0.55	0.55	0.55	0.55	0.75	0.75	0.75	-	-	-	-
		6	0.55	0.55	0.55	0.55	0.75	0.75	0.75	1.1	-	-	-	-
030	3000	4	0.55	0.75	0.75	0.75	1.1	1.1	1.1	1.1	-	-	-	-
		6	0.75	0.75	0.75	1.1	1.1	1.1	1.1	1.1	-	-	-	-
040	4000	4	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	-	-	-	-
		6	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	-	-	-	-
050	5000	4	1.1	1.1	1.1	1.5	1.5	1.5	1.5	2.2	-	-	-	-
		6	1.1	1.1	1.5	1.5	1.5	1.5	2.2	2.2	-	-	-	-
060	6000	4	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	-	-	-	-
		6	1.5	1.5	2.2	2.2	2.2	2.2	2.2	3.0	-	-	-	-
070	7000	4	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	3.0	3.0	-	-
		6	1.5	1.5	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0	-	-
080	8000	4	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	3.0	-	-
		6	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	3.0	4.0	-	-
090	9000	4	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	4.0	4.0	-	-
		6	2.2	2.2	2.2	3.0	3.0	3.0	3.0	4.0	4.0	4.0	-	-
105	10500	4	2.2	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	-	-
		6	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	5.5	-	-
120	12000	4	2.2	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	5.5	-	-
		6	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	5.5	5.5	-	-
135	13500	4	3.0	3.0	3.0	4.0	4.0	4.0	4.0	5.5	5.5	5.5	-	-
		6	3.0	3.0	4.0	4.0	4.0	4.0	5.5	5.5	5.5	5.5	-	-
150	15000	4	3.0	4.0	4.0	4.0	5.5	5.5	5.5	5.5	7.5	7.5	-	-
		6	4.0	4.0	4.0	5.5	5.5	5.5	5.5	5.5	7.5	7.5	-	-
180	18000	4	4.0	4.0	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	-	-
		6	4.0	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	-	-
210	21000	4	5.5	5.5	5.5	7.5	7.5	7.5	7.5	11.0	11.0	11.0	-	-
		6	5.5	5.5	7.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	-	-
240	24000	4	5.5	5.5	5.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	-	-
		6	5.5	5.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	15.0	-
270	27000	4	7.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0
		6	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0	-
300	30000	4	7.5	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	-	-
		6	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	-
330	33000	4	7.5	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0
		6	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	18.5
350	35000	4	7.5	7.5	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0
		6	7.5	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	18.5	18.5
400	40000	4	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	18.5	18.5	18.5
		6	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	18.5	18.5	22.0	18.5
450	45000	4	15.0	15.0	15.0	15.0	15.0	15.0	18.5	18.5	18.5	18.5	22.0	22.0
		6	15.0	15.0	15.0	15.0	15.0	18.5	18.5	18.5	18.5	22.0	-	-
500	50000	4	15.0	15.0	18.5	18.5	18.5	18.5	22.0	22.0	22.0	-	-	-
		6	15.0	18.5	18.5	18.5	18.5	22.0	22.0	22.0	-	-	-	-

Note:
All the data above in the list is the power of fan motor in the different outside static pressure , unit(kw)



Air handling unit

Standard Series’ Power Comparison List of Fan Motor

2. Horizontal Standard Type B

Model WZK	Air flow amount (m³/h)	Rows of cooling coil pipe	Corresponding power of fan motor(kW)withthe outside static pressure (Pa)											
			120	170	220	270	320	370	420	470	520	570	620	670
020	2000	4	0.55	0.55	0.55	0.75	0.75	0.75	0.75	1.1	-	-	-	-
		6	0.55	0.55	0.75	0.75	0.75	0.75	1.1	1.1	-	-	-	-
030	3000	4	0.75	0.75	0.75	1.1	1.1	1.1	1.1	1.1	-	-	-	-
		6	0.75	0.75	1.1	1.1	1.1	1.1	1.1	1.5	-	-	-	-
040	4000	4	1.1	1.1	1.1	1.1	1.5	1.5	1.5	2.2	-	-	-	-
		6	1.1	1.1	1.1	1.5	1.5	1.5	2.2	2.2	-	-	-	-
050	5000	4	1.1	1.1	1.5	1.5	1.5	1.5	2.2	2.2	-	-	-	-
		6	1.1	1.5	1.5	1.5	1.5	2.2	2.2	2.2	-	-	-	-
060	6000	4	1.5	1.5	2.2	2.2	2.2	2.2	2.2	3.0	-	-	-	-
		6	1.5	2.2	2.2	2.2	2.2	2.2	3.0	3.0	-	-	-	-
070	7000	4	1.5	1.5	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0	-	-
		6	1.5	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	-	-
080	8000	4	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	3.0	4.0	-	-
		6	2.2	2.2	2.2	3.0	3.0	3.0	3.0	3.0	4.0	4.0	-	-
090	9000	4	2.2	2.2	2.2	3.0	3.0	3.0	3.0	4.0	4.0	4.0	-	-
		6	2.2	2.2	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	-	-
105	10500	4	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	5.5	-	-
		6	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	5.5	5.5	-	-
120	12000	4	3.0	3.0	3.0	3.0	4.0	4.0	4.0	5.5	5.5	5.5	-	-
		6	3.0	3.0	3.0	4.0	4.0	4.0	5.5	5.5	5.5	5.5	-	-
135	13500	4	3.0	3.0	4.0	4.0	4.0	4.0	5.5	5.5	5.5	5.5	-	-
		6	3.0	4.0	4.0	4.0	4.0	5.5	5.5	5.5	5.5	7.5	-	-
150	15000	4	4.0	4.0	4.0	5.5	5.5	5.5	5.5	5.5	7.5	7.5	-	-
		6	4.0	4.0	5.5	5.5	5.5	5.5	5.5	7.5	7.5	7.5	-	-
180	18000	4	4.0	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	-	-
		6	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	11.0	-	-
210	21000	4	5.5	5.5	7.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	-	-
		6	5.5	7.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	-	-
240	24000	4	5.5	5.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	-	-
		6	5.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	-	-	-
270	27000	4	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0	-
		6	7.5	7.5	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0	-	-
300	30000	4	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	-	-
		6	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	-	-	-
330	33000	4	11.0	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	-
		6	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	18.5	-
350	35000	4	7.5	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	-
		6	11.0	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	18.5	-
400	40000	4	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	18.5	18.5	18.5	-
		6	11.0	11.0	15.0	15.0	15.0	15.0	15.0	18.5	18.5	18.5	18.5	-
450	45000	4	15.0	15.0	15.0	15.0	15.0	18.5	18.5	18.5	18.5	22.0	22.0	-
		6	15.0	15.0	15.0	15.0	18.5	18.5	18.5	18.5	22.0	22.0	-	-
500	50000	4	15.0	18.5	18.5	18.5	18.5	22.0	22.0	22.0	-	-	-	-
		6	18.5	18.5	18.5	18.5	22.0	22.0	22.0	-	-	-	-	-

Note:
All the data above in the list is the power of fan motor in the different outside static pressure , unit(kw)

Standard Series’ Power Comparison List of Fan Motor

3. Horizontal Standard Type C

Model WZK	Air flow amount (m³/h)	Rows of cooling coil pipe	Corresponding power of fan motor(kW)withthe outside static pressure (Pa)											
			120	170	220	270	320	370	420	470	520	570	620	670
020	2000	4	0.55	0.75	0.75	0.75	0.75	1.1	1.1	1.1	-	-	-	-
		6	0.75	0.75	0.75	0.75	1.1	1.1	1.1	1.1	-	-	-	-
030	3000	4	0.75	1.1	1.1	1.1	1.1	1.1	1.5	1.5	-	-	-	-
		6	1.1	1.1	1.1	1.1	1.1	1.5	1.5	-	-	-	-	-
040	4000	4	1.1	1.1	1.5	1.5	1.5	2.2	2.2	2.2	-	-	-	-
		6	1.1	1.5	1.5	1.5	2.2	2.2	2.2	2.2	-	-	-	-
050	5000	4	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	-	-	-	-
		6	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	-	-	-	-
060	6000	4	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	-	-	-	-
		6	2.2	2.2	2.2	2.2	3.0	3.0	3.0	-	-	-	-	-
070	7000	4	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	3.0	3.0	-	-
		6	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	3.0	4.0	-	-
080	8000	4	2.2	2.2	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	-	-
		6	2.2	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	-	-
090	9000	4	2.2	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	-	-
		6	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	5.5	-	-	-
105	10500	4	3.0	3.0	4.0	4.0	4.0	4.0	4.0	5.5	5.5	5.5	-	-
		6	3.0	4.0	4.0	4.0	4.0	4.0	5.5	5.5	5.5	5.5	-	-
120	12000	4	3.0	3.0	4.0	4.0	4.0	5.5	5.5	5.5	5.5	-	-	-
		6	3.0	4.0	4.0	4.0	5.5	5.5	5.5	5.5	-	-	-	-
135	13500	4	4.0	4.0	4.0	5.5	5.5	5.5	5.5	7.5	7.5	7.5	-	-
		6	4.0	4.0	4.0	5.5	5.5	5.5	7.5	7.5	7.5	-	-	-
150	15000	4	4.0	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	-	-
		6	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	7.5	-	-
180	18000	4	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	11.0	11.0	-	-
		6	5.5	5.5	7.5	7.5	7.5	7.5	7.5	11.0	11.0	11.0	-	-
210	21000	4	7.5	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	11.0	-	-
		6	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	11.0	11.0	-	-
240	24000	4	7.5	7.5	7.5	11.0	11.0	11.0	11.0	11.0	-	-	-	-
		6	7.5	7.5	11.0	11.0	11.0	11.0	11.0	-	-	-	-	-
270	27000	4	7.5	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0	-	-	-
		6	11.0	11.0	11.0	11.0	11.0	11.0	15.0	15.0	-	-	-	-
300	30000	4	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	-	-	-
		6	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	-	-	-	-
330	33000	4	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.5	-
		6	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.5	18.5	-
350	35000	4	11.0	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	-	-
		6	11.0	11.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.5	-	-
400	40000	4	11.0	15.0	15.0	15.0	15.0	15.0	18.5	18.5	18.5	18.5	-	-
		6	15.0	15.0	15.0	15.0	15.0	18.5	18.5	18.5	18.5	-	-	-
450	45000	4	15.0	15.0	15.0	18.5	18.5	18.5	18.5	22.0	22.0	-	-	-
		6	15.0	15.0	18.5	18.5	18.5	18.5	22.0	22.0	-	-	-	-
500	50000	4	18.5	18.5	18.5	22.0	22.0	22.0	-	-	-	-	-	-
		6	18.5	18.5	22.0	22.0	22.0	-	-	-	-	-	-	-

Note:
All the data above in the list is the power of fan motor in the different outside static pressure , unit(kw)



Air volume selection table for Non-standard unit Series

Model WZK	Air flow amount m³/h						
	Face velocity						
	2.0 m/s	2.25 m/s	2.5 m/s	2.75 m/s	3.0 m/s	3.25 m/s	3.5 m/s
06 09	2207	2483	2758	3034	3310	3586	3862
06 12	3167	3563	3958	4354	4750	5146	5542
09 09	3783	4256	4729	5201	5674	6147	6620
09 12	5429	6107	6786	7465	8143	8822	9500
09 15	7075	7959	8843	9728	10612	11496	12381
12 12	7238	8143	9048	9953	10858	11762	12667
12 15	9433	10612	11791	12970	14149	15329	16508
12 18	11628	13081	14534	15988	17441	18895	20348
12 21	13822	15550	17278	19005	20733	22461	24189
15 18	15261	17169	19076	20984	22892	24799	26707
15 21	18141	20409	22677	24945	27212	29480	31748
15 24	21022	23650	26277	28905	31533	34160	36788
19 21	23325	26240	29156	32072	34987	37903	40818
19 24	27028	30407	33785	37164	40542	43921	47299
19 27	30731	34573	38414	42256	46097	49938	53780
22 24	31032	34911	38790	42669	46548	50427	54306
22 27	35284	39695	44105	48516	52926	57337	61747
25 27	40975	46097	51219	56341	61463	66585	71707
25 30	45913	51652	57391	63130	68869	74609	80348
25 33	50851	57207	63563	69920	76276	82632	88989
25 36	55788	62762	69736	76709	83683	90656	97630
28 36	63537	71479	79421	87363	95305	103247	111189
28 39	69160	77805	86451	95096	103741	112386	121031
30 45	83632	94086	104540	114994	125448	135902	146356
30 48	89530	100721	111912	123104	134295	145486	156677
33 45	93357	105026	116696	128365	140035	151704	163374
33 48	99940	112433	124925	137418	149910	162403	174895
35 48	106187	119460	132733	146006	159280	172553	185826
35 51	113182	127329	141477	155625	169773	183920	198068
35 54	120177	135199	150221	165243	180265	195287	210309
35 57	127172	143069	158965	174862	190758	206655	222551
35 60	134167	150938	167709	184480	201251	218022	234793
36 51	117620	132323	147025	161728	176430	191133	205835
36 54	124890	140501	156112	171723	187334	202946	218557
36 57	132159	148679	165199	181719	198239	214759	231279
36 60	139429	156857	174286	191714	209143	226572	244000
36 63	146698	165035	183373	201710	220047	238384	256722
36 66	153968	173214	192459	211705	230951	250197	269443
36 69	161237	181392	201546	221701	241856	262010	282165
36 72	168507	189570	210633	231697	252760	273823	294886
36 75	175776	197748	219720	241692	263664	285636	307608
36 78	183046	205926	228807	251688	274568	297449	320330
36 81	190315	214104	237894	261683	285472	309262	333051
36 84	197584	222283	246981	271679	296377	321075	345773

Cooling performance parameters of the table for Non-standard unit Series

Model WZK	Air flow m³/h	fresh air									air return								
		4row			6row			8row			4row			6row			8row		
		cooling capacity	water flow	water resistance	cooling capacity	water flow	water resistance	cooling capacity	water flow	water resistance	cooling capacity	water flow	water resistance	cooling capacity	water flow	water resistance	cooling capacity	water flow	water resistance
		kW	L/s	kPa	kW	L/s	kPa	kW	L/s	kPa	kW	L/s	kPa	kW	L/s	kPa	kW	L/s	kPa
06 09	2758	32	1.5	27	41	2	53	46	2.2	31	14	0.7	10	19	0.9	18	21	1	13
06 12	3958	50	2.4	55	63	3	59	69	3.3	42	23	1.1	17	31	1.5	35	36	1.7	50
09 09	4729	51	2.4	45	68	3.3	41	78	3.7	38	25	1.2	15	32	1.5	19	37	1.8	25
09 12	6786	81	3.9	28	106	5.1	52	115	5.5	47	36	1.7	8	48	2.3	38	52	2.5	37
09 15	8843	105	5	49	135	6.5	61	144	6.9	55	49	2.3	41	62	3	23	70	3.3	40
12 12	9048	114	5.5	42	142	6.8	53	151	7.2	45	53	2.5	35	65	3.1	36	72	3.4	51
12 15	11791	147	7	53	172	8.2	52	205	9.8	51	65	3.1	52	83	4	25	93	4.4	32
12 18	14534	185	8.9	58	224	10.7	51	259	12.4	59	88	4.2	51	111	5.3	42	122	5.8	58
12 21	17278	224	10.7	63	261	12.5	61	295	14.1	67	104	5	59	121	5.8	35	137	6.6	52
15 18	19076	248	11.9	56	309	14.8	52	334	16	50	116	5.6	27	146	7	47	158	7.6	42
15 21	22677	280	13.4	62	349	16.7	62	395	18.9	58	137	6.6	26	157	7.5	36	174	8.3	43
15 24	26277	332	15.9	69	414	19.8	68	452	21.6	67	154	7.4	52	192	9.2	53	204	9.8	39
19 21	29156	381	18.2	54	463	22.2	53	498	23.8	50	166	7.9	33	214	10.2	57	236	11.3	56
19 24	33785	409	19.6	69	475	22.7	61	523	24	59	184	8.8	45	239	11.4	49	257	12.3	38
19 27	38414	481	23	61	564	27	68	615	29.4	66	223	10.7	38	262	12.5	28	294	14.1	40
22 24	38790	502	24	54	608	29.1	60	656	31.4	52	234	11.2	41	304	14.5	50	329	15.7	32
22 27	44105	558	26.7	61	649	31.1	69	714	34.2	60	259	12.4	37	327	15.6	32	365	17.5	46
25 27	51219	649	31.1	55	769	36.8	52	840	40.2	55	285	13.6	42	368	17.6	38	413	19.8	53
25 30	57391	710	34	63	840	40.2	61	921	44.1	67	314	15	55	415	19.9	49	474	22.7	45
25 33	63563	-	-	-	-	-	-	-	-	-	343	16.4	34	447	21.4	57	506	24.2	56
25 36	69736	-	-	-	-	-	-	-	-	-	359	17.2	43	497	23.8	58	561	26.8	60
28 36	79421	-	-	-	-	-	-	-	-	-	438	21	41	529	25.3	57	601	28.8	56
28 39	86451	-	-	-	-	-	-	-	-	-	469	22.4	51	586	28	56	664	31.8	58
30 45	104540	-	-	-	-	-	-	-	-	-	616	29.5	46	728	34.8	50	818	39.1	39
30 48	111912	-	-	-	-	-	-	-	-	-	640	30.6	32	760	36.4	35	832	39.8	43
33 45	116696	-	-	-	-	-	-	-	-	-	699	33.4	42	830	39.7	44	882	42.2	58
33 48	124925	-	-	-	-	-	-	-	-	-	731	35	56	869	41.6	29	926	44.3	38
35 48	132733	-	-	-	-	-	-	-	-	-	772	36.9	32	960	45.9	58	1031	49.3	41
35 51	141477	-	-	-	-	-	-	-	-	-	805	38.5	38	972	46.5	35	1068	51.1	48
35 54	150221	-	-	-	-	-	-	-	-	-	848	40.6	42	994	47.6	40	1114	53.3	57
35 57	158965	-	-	-	-	-	-	-	-	-	876	41.9	50	1028	49.2	46	1137	54.4	58
35 60	167709	-	-	-	-	-	-	-	-	-	904	43.3	46	1078	51.6	54	1153	55.2	48

- Notes:
- 1.Chilled water inlet/outlet temperature 7℃/12℃;
 - 2.Air return condition: air inlet D/B 27℃, W/B 19.5℃;
fresh air condition: air inlet D/B 35℃, W/B 28℃.
 - 3.The face velocity of coil pipe:2.5m/s under the nominal air volume;
 - 4.All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.

Hot water coils performance parameters of the table for Non-standard unit

Model WZK	Rated air flow amount m³/h	heating capacity kW							
		fresh air condition				Air return condition			
		1 row	2 row	3 row	4 row	1 row	2 row	3 row	4 row
06 09	2758	13	22	30	36	11	17	25	29
06 12	3958	21	33	45	53	16	27	38	43
09 09	4729	21	34	48	56	18	27	39	47
09 12	6786	32	51	70	83	26	43	59	69
09 15	8843	43	70	95	111	35	57	79	92
12 12	9048	47	76	104	122	38	62	86	102
12 15	11791	62	100	138	160	50	82	115	133
12 18	14534	77	127	171	198	64	104	143	166
12 21	17278	93	150	204	233	76	123	168	197
15 18	19076	94	167	226	261	77	136	186	218
15 21	22677	115	200	270	308	94	163	221	257
15 24	26277	136	234	310	359	111	193	261	300
19 21	29156	153	247	334	383	125	203	279	319
19 24	33785	178	290	384	444	146	237	324	372
19 27	38414	195	332	440	509	168	273	364	424
22 24	38790	212	345	457	530	175	286	381	442
22 27	44105	234	395	518	612	200	322	435	508
25 27	51219	262	429	590	684	216	369	492	572
25 30	57391	297	482	665	764	242	415	551	639
25 33	63563	332	539	730	849	268	444	616	709
25 36	69736	367	594	794	921	299	487	673	781
28 36	79421	430	698	928	1079	350	570	792	909
28 39	86451	468	767	1005	1181	382	623	854	992
30 45	104540	563	915	1213	1412	460	750	1029	1175
30 48	111912	605	986	1306	1510	499	807	1082	1259
33 45	116696	630	1030	1360	1574	523	848	1148	1321
33 48	124925	645	1107	1462	1685	559	908	1234	1416
35 48	132733	683	1172	1556	1800	591	967	1312	1498
35 51	141477	735	1220	1651	1925	632	1037	1383	1603
35 54	150221	786	1282	1764	2025	639	1106	1467	1706
35 57	158965	834	1355	1872	2143	680	1174	1554	1806
35 60	167709	882	1442	1971	2268	721	1186	1647	1907

- Remark:
- Hot water inlet/outlet temperature 60℃ /50℃;
 - Air return condition: air inlet D/B 15℃;
fresh air condition: air inlet D/B 7℃;
 - The face velocity of coil pipe :2.5m/s under the nominal air volume;
 - All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.

Dimension List of Function Sections

Model WZK	Length (mm)														other
	mixed section	plate filter section	bag filter section	gathers filter section	fresh air & air exhausted section	coil section (less 6 rows)	coil section (more 6 rows)	heating section	humidifying section	middle section	noise elimination section	fan section (type A)	fan section (type B)		
06 09	600	100	500	400	1200	600	800	300	600	600	900	900(200)	1100(225)	Len	
06 12	600	100	500	400	1200	600	800	300	600	600	900	1100(225)	1100(250)		
09 09	600	100	500	400	1200	600	800	300	600	600	900	1100(250)	1200(280)		
09 12	600	100	500	400	1200	600	800	300	600	600	900	900(280)	900(315)		
09 15	600	100	500	400	1200	600	800	300	600	600	900	900(315)	900(355)		
12 12	600	100	500	400	1200	600	800	300	600	600	900	900(315)	1400(355)		
12 15	600	100	500	400	1200	600	800	300	600	600	900	900(355)	1000(400)		
12 18	800	100	500	400	1200	600	800	300	600	600	900	1000(400)	1100(450)		
12 21	800	100	500	400	1200	600	800	300	600	600	900	1100(450)	1200(500)		
15 15	800	100	500	400	1200	600	800	300	600	600	900	1700(450)	1800(500)		
15 18	800	100	500	400	1200	600	800	300	600	600	900	1200(500)	2000(560)		
15 21	800	100	500	400	1200	600	800	300	600	600	900	1200(500)	1300(560)		
15 24	800	100	500	400	1200	600	800	300	600	600	900	1300(560)	1500(630)		
19 19	800	100	500	400	1200	600	800	300	600	600	900	1300(560)	2300(630)		
19 21	800	100	500	400	1200	600	800	300	600	600	900	2300(630)	2400(710)		
19 24	800	100	500	400	1200	600	800	300	600	600	900	1500(630)	1700(710)		
19 27	800	100	500	400	1200	600	800	300	600	600	900	1700(710)	1800(800)		
22 22	1000	100	500	400	1500	600	800	300	600	600	900	2400(710)	2600(800)		
22 24	1000	100	500	400	1500	600	800	300	600	600	900	1700(710)	2600(800)		
22 27	1000	100	500	400	1500	600	800	300	600	600	900	1800(800)	2100(900)		
22 30	1000	100	500	400	1500	600	800	300	600	600	900	1800(800)	2100(900)		
25 25	1000	100	500	400	1500	600	800	300	600	600	900	1800(800)	2700(900)		
25 27	1000	100	500	400	1500	600	800	300	600	600	900	1800(800)	2100(800)		
25 30	1000	100	500	400	1500	600	800	300	600	600	900	2100(900)	2200(1000)		
25 33	1000	100	500	400	1500	600	800	300	600	600	900	2100(900)	2200(1000)		
25 36	1200	100	500	400	1500	600	800	300	600	600	900	2100(900)	2200(1000)		
28 36	1200	100	500	400	1500	600	800	300	600	600	900	2400(800*2)			
28 39	1200	100	500	400	1500	600	800	300	600	600	900	2400(800*2)			
30 45	1200	100	500	400	1500	1000	1200	600	600	600	900	2400(800*2)			
30 48	1200	100	500	400	1500	1000	1200	600	600	600	900	2700(900*2)			
33 45	1200	100	500	400	1800	1000	1200	600	600	600	900	2700(900*2)			
33 48	1200	100	500	400	1800	1000	1200	600	600	600	900	3000(1000*2)			
35 45	1200	100	500	400	1800	1000	1200	600	600	600	900	3000(1000*2)			
35 48	1200	100	500	400	1800	1000	1200	600	600	600	900	3000(1000*2)			
35 51	1200	100	500	400	1800	1000	1200	600	600	600	900	2700(900*3)			
35 54	1200	100	500	400	1800	1000	1200	600	600	600	900	2700(900*3)			
35 57	1200	100	500	400	1800	1000	1200	600	600	600	900	2700(900*3)			
35 60	1200	100	500	400	1800	1000	1200	600	600	600	900	2700(900*3)			

- Notes:
- Dimension of air mixed section and air outlet section are standard, if any special required on the air inlet/outlet and position, it is depend on the real project.
 - Length of humidifying section is subject to the real demand-humidifying and method-humidifying.
 - There is no any independent function section, after the wet film humidifier dismounted on the coil pipes. if set independently , it is necessary to set 6 modular space.
 - It is necessary to set middle section before filter section, cooling coil pipe section, heating coil pipe section and noise elimination section, easily to repair and maintain in future.
 - All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.



Dimension& Weight List ofAll Function Section(Empty Cabinet)

Model WZK	Empty section weight of cabinet/(kg)														
	thickness of cabinet 25mm					thickness of cabinet 35mm					thickness of cabinet 50mm				
	end-plate	300	600	900	1200	end-plate	300	600	900	1200	end-plate	300	600	900	1200
06 09	6	36	54	72	89	7	37	55	73	92	8	39	61	82	103
06 12	8	45	67	89	110	9	46	68	91	114	10	48	71	94	117
09 09	9	40	62	84	105	10	41	64	88	120	11	42	67	90	113
09 12	12	48	72	95	119	13	49	74	100	124	14	52	77	103	128
09 15	14	56	82	107	133	15	57	84	112	139	16	60	88	115	143
12 12	15	51	76	102	128	16	52	79	107	133	17	55	83	110	138
12 15	18	58	86	114	142	19	59	89	119	148	20	63	93	123	154
12 18	21	66	96	126	156	23	67	99	132	162	24	71	103	135	169
12 21	25	74	106	138	170	26	75	110	144	176	27	79	114	149	184
15 15	23	61	91	121	151	25	62	95	127	158	29	67	99	131	165
15 18	27	69	102	133	165	29	71	105	139	172	34	75	109	144	170
15 21	31	77	112	146	181	33	79	116	154	189	39	83	120	157	195
15 24	35	84	120	156	192	37	88	125	164	201	43	89	130	167	209
19 19	35	75	111	144	175	38	78	115	153	187	44	81	119	158	199
19 21	38	80	117	153	190	41	83	121	162	199	46	86	126	169	211
19 24	43	88	127	165	204	46	91	132	174	213	52	94	137	80	224
19 27	50	95	136	177	218	53	99	141	186	227	64	102	147	193	238
22 22	47	85	126	164	204	51	88	130	173	213	55	92	136	179	223
22 24	51	90	131	172	213	55	94	136	181	223	59	97	143	189	233
22 27	57	98	141	184	227	60	102	146	193	237	72	105	153	201	248
22 30	63	106	151	196	241	66	110	156	205	252	79	113	164	214	263
25 25	59	105	149	194	238	64	109	155	203	250	74	111	162	211	260
25 27	65	122	180	238	295	68	126	188	247	308	81	130	193	256	318
25 30	72	131	191	251	310	75	135	199	260	323	88	140	205	269	334
25 33	79	140	201	263	325	83	144	210	274	338	95	149	216	283	350
25 36	86	148	211	276	340	90	152	221	287	354	103	157	228	297	366
28 36	95	151	217	284	349	100	155	226	294	363	113	164	233	304	376
28 39	104	160	228	296	364	107	164	236	308	378	130	169	244	218	392
30 45	122	179	252	326	399	135	184	262	339	416	155	177	269	350	431
30 48	135	187	263	338	414	143	192	273	352	431	164	191	281	363	446
33 45	139	185	258	332	408	148	190	267	346	425	168	188	276	358	439
33 48	147	190	268	345	423	156	195	278	359	440	177	203	286	372	446
35 45	147	183	260	338	415	155	188	270	351	431	176	195	280	363	447
35 48	155	197	281	365	449	165	202	282	380	467	186	209	301	392	483
35 51	167	206	292	378	464	174	211	302	393	483	208	219	312	406	499
35 54	176	214	303	391	479	183	219	313	406	498	218	228	324	419	515
35 57	186	222	313	405	494	192	227	325	420	513	229	237	335	433	532
35 60	196	232	325	418	509	200	237	336	433	528	240	246	346	447	548

Remark:
1.coil pipe section weight= all modular weight of cabinet section corresponding with coil pipe +coil pipe weight
2.fan section weight=all modular weight of cabinet section corresponding with fan section+ fan weight+ motor weight+ drive parts weight +fan base weight
3.whole unit weight=all the function weight calculated according to the above +end-plate weight.

Function Section Weight List of All Model(Parts)

Model WZK	weight kg																	
	mixed section	Initial plate type filter	Initial bag type filter	droplet eliminator	noise eliminator	wet film dehumidfier(dry type)				standard 1/2''coil pipe(without water)								
						thickness	thickness	thickness	thickness									
						50 mm	100 mm	150 mm	200 mm	1 row	2 row	3 row	4 row	5 row	6 row	8 row	10 row	12 row
06 09	15	5	3	5	20	8	10	11	13	15	18	20	22	25	28	34	39	45
06 12	22	6	4	7	26	9	11	13	16	16	20	23	26	30	33	41	48	56
09 09	15	7	4	7	30	9	11	13	15	24	29	32	36	40	45	54	63	72
09 12	22	9	6	10	40	10	13	15	18	25	32	37	41	47	53	65	77	89
09 15	29	11	7	13	50	11	14	18	21	27	35	41	47	54	62	76	91	106
12 12	22	12	8	15	53	11	14	18	22	37	46	53	60	69	77	94	111	129
12 15	29	15	10	20	66	12	16	21	25	39	50	59	68	79	89	111	132	153
12 18	51	18	12	24	79	13	18	23	28	41	55	65	76	89	102	127	153	178
12 21	61	21	14	29	92	14	20	26	31	43	59	72	85	99	114	144	173	203
15 15	42	19	12	26	83	13	18	24	29	51	66	78	89	103	117	145	173	201
15 18	51	23	15	32	99	14	20	27	33	53	71	86	100	117	134	167	200	233
15 21	61	26	17	38	116	16	23	29	36	56	77	94	111	130	150	188	227	266
15 24	70	30	19	44	132	17	25	32	40	59	82	102	122	144	166	210	254	298
19 19	54	30	19	42	132	16	24	31	38	68	91	110	129	151	173	216	260	303
19 21	61	34	21	47	146	17	25	33	41	70	96	117	138	162	186	234	282	330
19 24	70	38	25	54	167	18	27	36	45	73	102	127	151	179	206	261	316	370
19 27	80	43	28	61	188	20	30	40	50	77	109	137	165	195	226	288	349	410
22 22	84	41	26	58	177	19	29	38	48	84	117	143	170	200	230	290	349	409
22 24	92	44	28	64	194	20	30	41	51	87	122	151	180	213	246	311	376	441
22 27	105	50	32	73	218	22	33	44	55	91	130	163	196	233	269	343	416	489
22 30	118	55	35	82	242	23	35	48	60	95	138	175	212	253	293	375	456	537
25 25	97	52	34	76	229	22	33	45	57	100	141	175	210	248	287	363	440	517
25 27	105	57	36	83	248	23	35	48	60	103	147	184	222	263	305	387	470	553
25 30	118	63	40	93	275	24	38	52	65	108	156	198	240	286	332	423	515	607
25 33	130	69	44	103	303	26	41	55	70	112	165	211	258	308	359	459	560	661
25 36	177	76	48	113	330	27	43	59	75	117	174	225	276	331	385	495	605	714
28 36	177	85	54	132	370	30	48	66	84	136	203	263	323	387	451	579	708	836
28 39	192	92	59	144	400	32	51	70	90	141	214	279	344	413	482	621	760	899
30 45	224	113	73	171	495	36	58	80	103	156	241	319	396	478	560	724	888	1052
30 48	239	121	77	183	528	37	61	85	108	162	252	335	418	505	592	767	942	1117
33 45	224	125	80	192	545	38	62	87	111	175	270	356	443	535	626	810	993	1177
33 48	239	133	85	205	581	40	66	92	118	181	282	374	467	565	663	858	1054	1249
35 45	224	132	85	192	578	38	62	87	111	176	271	358	444	536	628	812	995	1179
35 48	239	141	90	218	616	41	69	96	123	192	300	398	497	601	705	913	1121	1329
35 51	255	150	96	232	655	43	72	101	130	199	313	418	523	633	744	964	1185	1406
35 54	270	159	102	247	693	45	75	106	136	205	326	437	548	665	782	1016	1250	1483
35 57	286	168	107	261	732	47	79	111	143	212	338	456	574	697	821	1067	1314	1561
35 60	302	176	113	275	770	49	82	116	149	218	351	475	600	729	859	1119	1378	1638

Weight list of fan, motor and driving parts

fan model	forerake fan	backward fan	based of the fan & motor	power of motor	weight of motor	driving parts
	kg	kg	kg	kW	kg	kg
180	10	—	11	0.37	11	3
200	11	—	13	0.55	16	3
225	13	—	17	0.75	17	3
250	22	23	17	1.1	21	4
280	25	26	18	1.5	25	5
315	31	32	20	2.2	32	7
355	41	44	21	3	38	8
400	53	59	38	4	49	14
450	57	74	42	5.5	64	20
500	77	84	45	7.5	77	23
560	126	138	46	11	122	35
630	176	177	53	15	140	42
710	220	253	58	18.5	170	56
800	289	326	78	22	186	63
900	384	427	85	30	254	84
1000	450	518	92	37	308	107
-	-	-	-	45	335	124
-	-	-	-	55	450	135
-	-	-	-	75	534	163

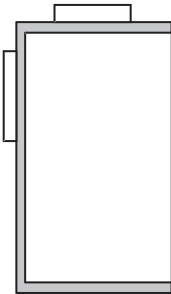
Description of function section

Cabinet



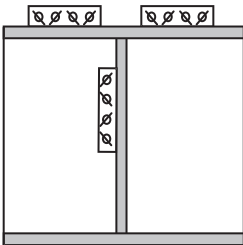
The cabinet is an assembly structure, which connected by screw into framework, ensuring the strength of the cabinet. the panel border with patent design is a high strength structure, the external is color steel plate, internal is galvanized sheet plate(or use galvanized steel ,stainless steel plate according to different clients require), the middle material is high density polyurethane with good anti-corrosion, high temperature resistant performance. There are three kinds of panel thickness for choice(25mm, 35mm,50mm).

Mixed section



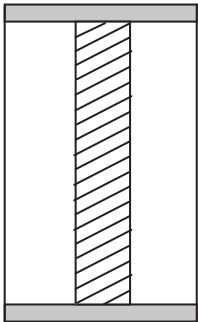
There is a reserved air-mixed section ,enabling the fresh air and air-returning mixed equally and sufficiently. the position of the air inlet/outlet , dimension and the length of air-mixed section could be adjusted according to the clients demands; air valve for the fresh air , air-returning optional.

Air distributary section



Adjusting the fresh air, air-returning, air-exhausting to the best working performance, by controlling the opening of air valve

Filter section

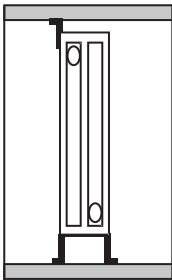
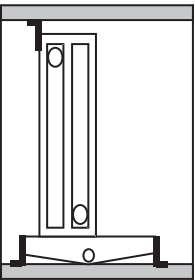


Filter installation using slide or frame structure, with access door/board, which can be easily replaced filter. Initial filter standard is plate type G3(bag type is optional); Middle filter standard is bag type F5(plate type is optional for partly); Sub-efficient , and ultra-efficient filter is gathers type

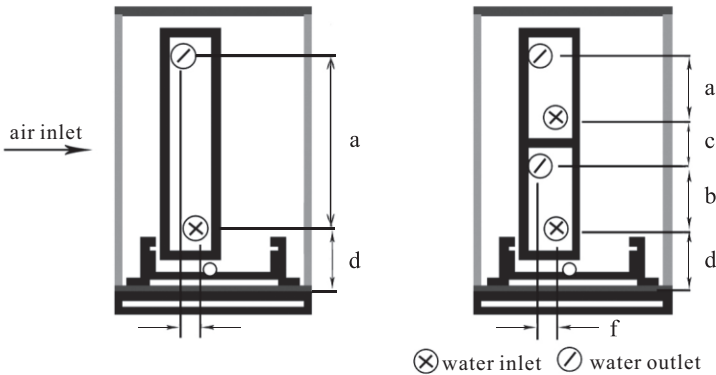


Description of Function Section

cooling coil pipe and heating coil pipe(pipe- connected size)



There are 9~13 pcs of cooling coil pipe every inch. the water-collecting pipe is seamless pipe it can be add some different model of water eliminators. the water pan is made of steel. the cooling coil pipe fin can be made of cooper or hydrophilic aluminum .the material of the end plate and water pan can be stainless steel optional; the material of water-supplying and water -returning pipe can be stainless or cooper pipe optional. it can choose the steel pipe/sheet, stainless steel pipe/sheet, stainless pipe/aluminum sheet ,steel pipe/ aluminum sheet and so on, according to the different clients. the standard structure is tension wrapped

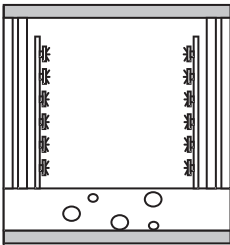


Model WZK	a	b	c	d			Water inlet/outlet Dia (DN)					Condensing water pipe Dia (DN)	f					
				25mm thickness	35mm thickness	50mm thickness	1~3 row	4 row	5 row	6 row	8 row		1/2 row	3 row	4 row	5 row	6 row	8 row
06XX	421	—	—	153	163	178	40	40	40	40	40	32	66	88	83	110	138	193
09XX	675	—	—	153	163	178	40	40	40	40	40	32	66	88	83	110	138	193
12XX	993	—	—	153	163	178	40	65	65	65	65	32	66	88	83	110	138	193
15XX	1311	—	—	153	163	178	40	65	65	65	65	32	66	88	83	110	138	193
19XX	802	802	85	168	178	193	40	65	65	65	65	32	66	88	83	110	138	193
22XX	993	929	85	168	178	193	40	65	65	65	65	32	66	88	83	110	138	193
25XX	1120	1056	85	168	178	193	40	65	65	65	65	50	66	88	83	110	138	193

Note: All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.

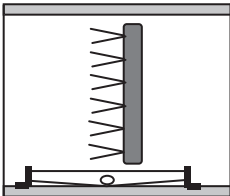
Description of Function Section

Spray section



It can deal with multi type air, not only realized minus enthalpy, dehumidifying, cooling, but also realize enthalpy-adding. humidifying and heating process, meanwhile the water curtain forming in the air-flowing channel can easily purify and clear the air . Single, Double ,Triple rows of spray head is optional

Humidifying section



Different working environment has different requirement on the relevant humidity. so it is necessary for the air hand unit to humidify in some seasons and areas. We can offer multi-type humidity methods, such as Dry steam humidification, High pressure spray humidification, Wet film humidification, Electrode humidification, Electric heater humidification and etc.

Comparisons of Humidifier

Model of humidifier		High pressure spray humidifier	Dry steam humidifier	Wet film humidifier	Electrode humidifier	Electric heater humidifier
Dehumidifying method		Equal-enthalpy humidifying	Equal-Temp. humidifying	Equal-enthalpy humidifying	Equal-Temp. humidifying	Equal-Temp. humidifying
Usage condition	Water-supplying quality	tap water / pure water	vapour	tap water	pure water/ softened water	pure water/ softened water
	Water-supplying Temperature(vapour)	5~50℃	< 150	5~40℃	-	-
	Water-supplying Pressure (vapour)	0.15 ~ 0.35MPa	0.02 ~ 0.4MPa	0.05 ~ 0.4MPa	0.1 ~ 0.35MPa	0.1 ~ 0.4MPa
	Critical velocity	0.5 ~ 3m/s	-	< 3m/s	-	-
	Ambient tempeature	4~40℃	4~40℃	4~40℃	4~40℃	4~40℃
Ambient humidity		≤85%	≤85%	≤85%	≤85%	≤85%

Dry Steam Humidifying List

Model		15 model			20 model			40 model		50 model		
Orifice Diameter		φ2	φ4	φ6	φ8	φ9	φ10	φ10.5	φ12	φ14	φ16	φ18
Vapour pressure	0.02MPa	1.5	4	9	22.5	27	34	40	55	75	145	187
	0.1MPa	2.3	9.4	21.3	49.5	62	75.5	78	102	141	194	246
	0.2MPa	3.6	14	35	68.5	106	131	142	160	216	311	397
	0.3MPa	4.5	18.3	40	97.5	152	187	205	217	296	448	569
	0.4MPa	6.1	24.5	58.5	124	196	227	250	275	375	590	760

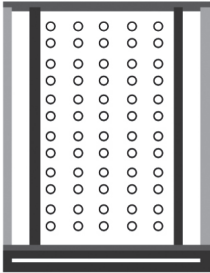
Description of Function Section

Humidifying capacity of all model

Model WZK	High pressure spray humidifying capacity (kg/h)	Wet filming humidifying capacity (kg/h)			
		efficiency 40%	efficiency 60%	efficiency 75%	efficiency 85%
06 09	10	7	11	14	15
06 12	14	10	16	19	22
09 09	16	12	18	22	24
09 12	23	17	25	31	34
09 15	30	22	34	41	46
12 12	33	25	37	45	50
12 15	44	33	49	59	66
12 18	55	41	60	74	82
12 21	65	49	72	88	98
15 15	58	43	64	78	87
15 18	72	54	79	97	109
15 21	86	64	94	116	130
15 24	99	74	110	134	150
19 19	107	79	118	144	161
19 21	111	82	122	150	167
19 24	129	97	142	174	195
19 27	147	110	162	198	222
22 22	146	110	162	198	221
22 24	153	114	169	207	231
22 27	174	130	192	235	263
22 30	195	146	215	264	295
25 25	188	141	207	254	284
25 27	195	146	215	264	295
25 30	219	164	242	296	331

- Remark:
- 1.The condition before humidifying: D/B 28℃, relative humidity 10%
 - 2.When the humidifying efficiency of the wet filming is 40%, 60%, 75%,80%, its material thickness is separately 50,100, 150 and 200mm.
 - 3.All data are subject to change without prior notice, please refer to nameplates for the most accurate specifications.

Noise elimination section



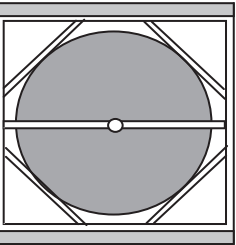
It is always built at the air-supplying or air-returning section, easily to decrease the noise of fan at air inlet/outlet. it use chip dissipative muffler,which mainly rely on sound absorption material to achieve the silencing purpose. Sound absorbing material is made of super fine glass cotton, which has higher coefficient of sound absorption, fire prevention, anti-corrosion, water proof and other feature. The dissipative muffler has an excellent effect on the high/ middle frequency of noise, especially suitable for air conditioning room.

Noise attenuation features list of eliminator

Noise eliminator section	space required	Octave center frequency attenuation (dB)							
		63	125	250	500	1000	2000	4000	8000
1 Phase	906	8	14	18	21	22	20	16	12
2 Phase	1510	10	17	25	28	31	28	24	18

Description of Function Section

Heating recovery section



The wheel type heating recovery device can recycle both the sensible heat and latent heat . the fresh air and air -exhausted flow through the wheel in alternate reverse, whose recovery rate reaching 60~90%.

The intermediate media heating recovery device ,is to use the media heating by the exchanger in hot air, then the liquid flow into the exchanger required for heating, then it flow back to the exchanger in hot air again. it only absorb the sensible heat , needing circulating water pump additionally. the common media is water or ethylene glycol.

We can offer pipe type heating recovery device, or plate cross type heating recovery device.

Electric heater section



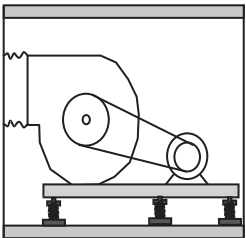
The electric heating device is consist of PTC parts.

It is built on the galvanized framework.

The power is 380V or 220V(up to clients), multi-gear connection, meetin different controlling demands on the heating power.

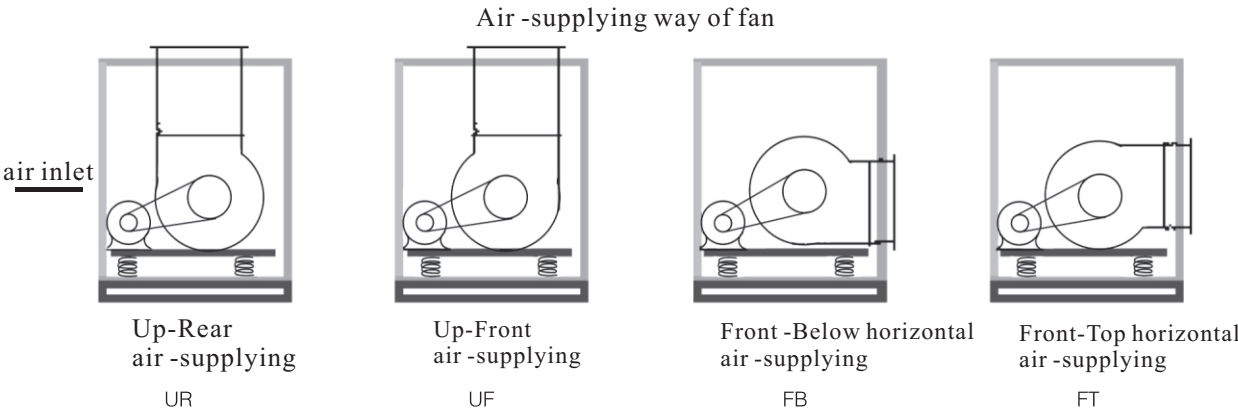
The electric heating wire should lead to the cabinet external terminal box; the main electric control cabinet should be set by client-self .

Fan section



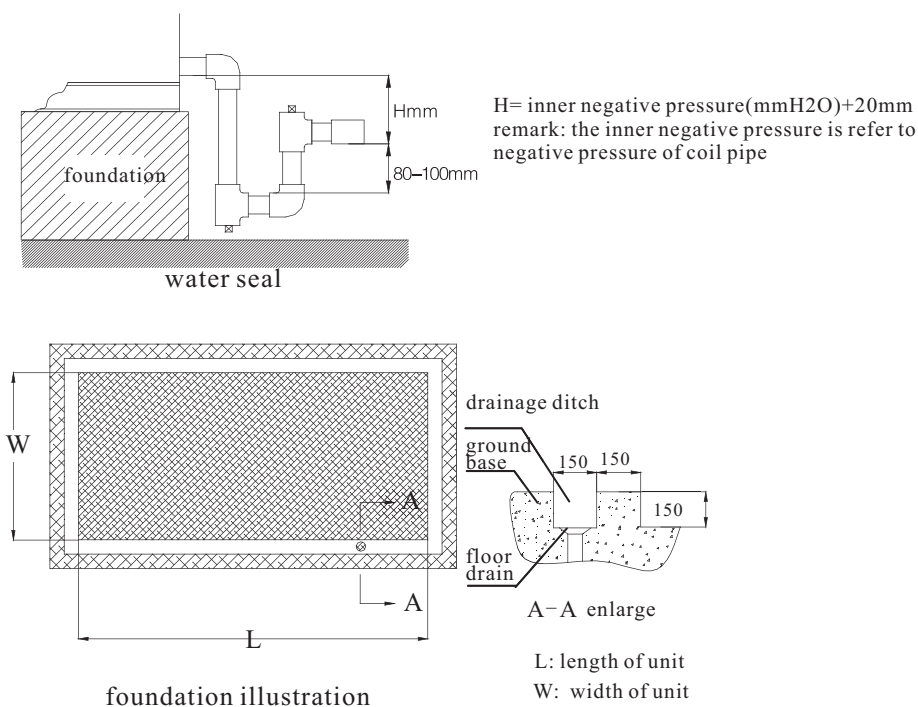
Based on the professional fan selection software to match fan, ensuring the double requirement about air flow amount and static pressure. the fan could be centrifugal blade forward type, tilt back or wing type;all types of spiral case and strengthening parts is made of galvanized steel; fan motor is selected through strict stationary test; It drives by the antistatic, not producing any dust belt.

Motor is fully enclosed structure, 380 v/50Hz power, built on the slide guide ,freely adjusting the tightness of the belt. Fan and motor share a common base. The foundation connected with the cabinet by the damping spring , all air outlet of fan using soft joints, isolating the fan moto noise and vibration from the cabinet body.



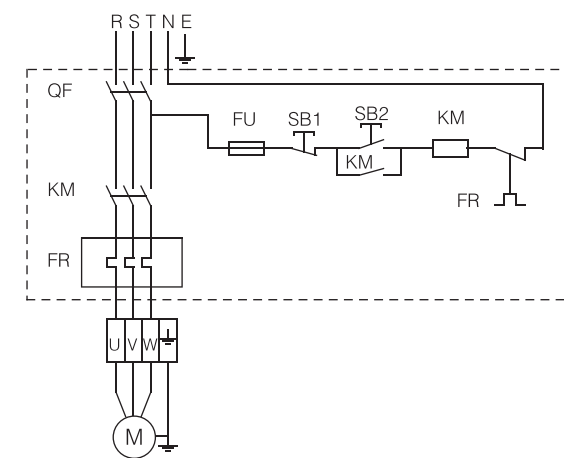
Installation

- *The units should be built on the flat ground.
- *There should be enough space around the units, esp on the unit piping and maintaining access (more than 1 meter), easily for the maintenance in future.
- *There must be a water seal at the condensing water outlet, (please refer to the picture below), then it can be connected with other external pipe system.
- *Please connect pipe correctly according to the nameplate of the unit.
- *It should be uniform force, not too much, when connecting the water pipes, avoiding any damage to the inner structure.
- *The standard power of the units is 3phas 4wires , 380V,50hz. it is necessary to check the power right before switching on,. After switching on ,pls check the motor firstly, ensuring the fan steer is correct,
- *The motor of the air conditioner should be connected with the power with over-load protection.
- *The connection between the air conditioner and external air duct or water pipes should be soft joints, avoiding any vibration.

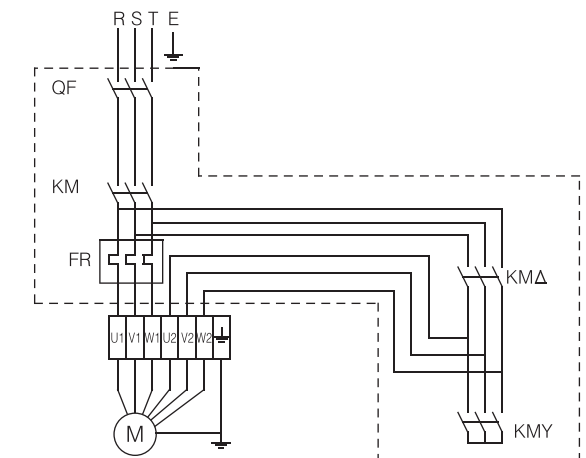


Electric Control

We can offer many kinds of control program and control cabinet, such as Direct start, Star delta start, Soft start, Frequency conversion control, etc. We suggest it is better to use Star delta start when the motor power less than 11kw. It is better to use Frequency conversion control or Soft start cabinet, when the area-applying requires highly on the power grid. Based on the general control cabinet, we can add some auxiliary control function, such as: local control, remote control, BA control, link function of the fan motor and fire valve, link function of the fan motor and air-supplying valve, and other linkage.



Electric Diagram of Direct Start Type



Electric Diagram of Y- ΔType

Usage and maintenance

- *It is necessary to check all the valves of water pipe and air ducts before the unit running, ensuring it is in norma working condition.
- *it is necessary to check the linkage action of the fan and other parts regularly, and adjusting in time correctly.
- *it is necessary to clear the filter before running , and clear it every month when in running time.
- *When it doesn't work in the winter,pls release all the water in the coil pipes; When the unit working in winter continually, if need to stop, it is necessary to keep the water flowing in the coil pipes, and close the fresh air valve, avoiding any freezing on the coil pipe; When the unit doesn't work for along time, pls release the water fully.
- *The cold and hot water should be pure soft water.After unit running every year, it is necessary to clear the scale in the pipe by chemical method, and clear the dust of the fin by air- pressured and water, also clear the water pan and water sea.
- *It is necessary to check the fan bearing lubrication and the tightness of the belt regularly.

Please refer to our <operation manual > for detailed information on installation, operation and maintenance.

Thank you!