

zk Series



CARNO TAHVIEHSAZAN IRANIAN

کارنو

تهویه سازان ایرانیان

AIR HANDLING UNIT ZK Series





1 Introduction

ZK assembly series is one of our products. There are four types, including purified type, commercial type, low-temperature type and outdoor type to be used in various fields such as micro-electronic, biological medicine, weaving, chemical plants, precision equipments, tobacco industry, food industry, scientific research, department store, hotel, exhibition hall, airport, office building, mines etc to meet different requirements.

Purified type: stainless steel or galvanized Steel sheets are used as lining plates and the filters and connections are specially treated.

Commercial type: to be used in the factories and commercial buildings

Low temperature type: used with ice preservation and low-temperature refrigeration. Providing a larger cooling capacity per unit.

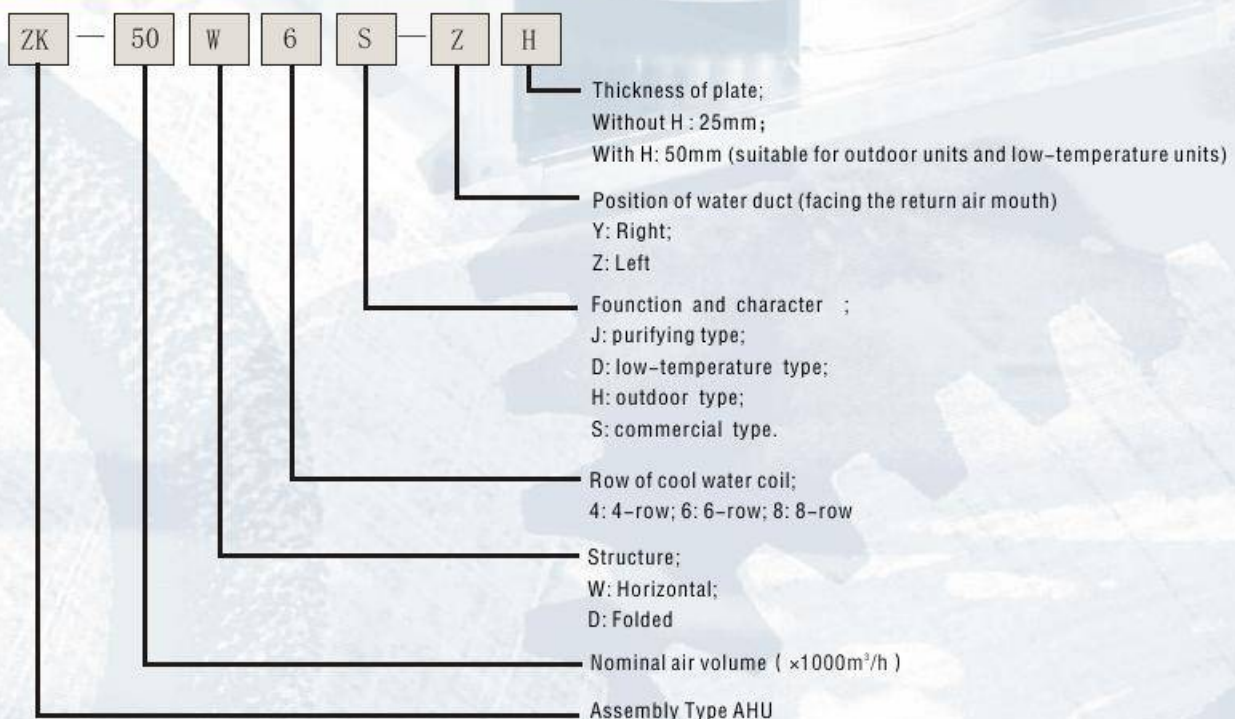
Special measures for heat preservation and anti-cold bridge.

Outdoor type: to be used in the open in all weathers. Anti-rust, water-proof and snow-proof measures are applied.

ZK series AHU are designed as frame structure and the patents (No. 6229383.0, 96311945.1 and 96229385.7) are used for this type of AHU to guarantee the quality. The positive pressure door is fixed from inside to outside, but the negative pressure door is fixed from outside to inside, therefore when running, the sealing of the AHU is guaranteed. The structure of AHU is simple and easy to be dismantled. It can be installed in the narrow space. The overlapping structure is suitable for the air volume of less than 30000 M3 per hour, thus saving the room space and reducing the cost.

The unit provides variant function section to meet different requirements through the combination. For example: units with heat recovery section used in the biological labs can provide cost saving; the combination of high-efficiency filtering section, multi-layer filtering section and spraying cleaning filtering section used in the tobacco industry can provide outstanding filter; in the weaving industry, cold water spraying section, filtering and heat-moisture treatment can be applied. For small-scale purifying system, constant temperature and humidity purifying units with direct evaporation is applicable. All the above-mentioned function section can be designed to customers' preference. This is not included in this manual.

2 Symbol Explanation



For example: ZK-50W6S-Z represents commercial assembly type AHU, 50000m³/h air volume, horizontal structure, water duct at left side, 6-row, plate thickness of 25mm.



3 Characteristics



Mixing Section: supplied with new air and return air adjusting valve. Users can adjust the ratio of new air and return air to their preference. Electric control device is optional.



Air Exhausting, Return Air and New Air Regulating Section: suitable to the double-fan unit; air exhausting valve and new air valve are installed on the top; and a return air regulating valve is inside. Electric control device is optional.



Plate-type Filtering Section: the section is equipped with non-weaving plate-type filter of international-standard dimension and material. The filter can be one-off paper plate filter or aluminum-alloy plate filter (the filtering material can be cleaned or replaced)



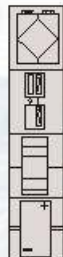
Initial-efficiency and Medium-efficiency Filter Section: may equipped with the common dimension non-weaving multi-bag filter. The filter can guarantee large dust volume and smooth pressure variation. Users can select suitable filters to meet different requirements. Pressure difference indicating meter is optional. Users may change or replace the filter according to the value of the resistance.



High-efficiency Self-cleaning Tube-Filter Section: This section adopts the impulse blowing anti-dust tube-filter widely used in the tobacco industry. The filter element is rigid tube. This kind of filter can provide long service time and high-efficiency filtering. The pressure difference warning switch can give the indication of dust-cleaning or automatically start dust cleaning.



Heating Section and Radiating Section: The heat exchanger adopts red copper tube and aluminum cover. All the water ducts and collector are galvanized. Red copper duct is optional.



Heat Recovery Section: wheel-exchanger (with moisture-absorption layer or without moisture-absorption layer) is optional. Exhausting air and return air flow over the wheel conversely, providing high efficiency. This is used in the high-temperature air exhausting system. The plate-type heat exchanger doesn't need driving equipment, consuming no power and heat medium is not necessary. For heat medium exchanger, there are no crossing contamination of exhausting air and new air. The accessory pump and coil can be common products. For hot tube exchanger, no additional energy is required of in result of non-driving component design, and the heat exchange is reversible. This kind of exchanger can provide high-efficiency heat exchange even when the temperature difference between cold air and hot air is not evident.



Spraying Section: two types available: single-row spraying and double-row spraying. The internal box can be made of stainless steel. The front and rear dash plate is made of aluminum alloy or glass fiber reinforced plastics. The nozzle is FL nylon nozzle, with high performance of atomization. The spraying pipe can be made of stainless steel if required.



Humidifying Section: Humidifier such as dry vapor humidifier, electrode humidifier, high-pressure spraying humidifier, membrane humidifier, electric heating humidifier or other type of humidifier is optional. And, corresponding auto control device is available for the auto humidifying.



Noise-elimination Section: this section can be used for the noise elimination of return air and air blowing. The plate muffler is made of ultra-thin centrifugal glass wool and holed plate, providing high performance, high-temperature proof, anti-moisture and anti-dust. The muffler can also provide flow regulating function to a certain extent. Cavity type muffler is suitable for the purifying units.



Fan Section: This section is applicable to the return air fan and air blowing fan. Imported or domestic high-efficiency double-inlet centrifugal fan is adopted for this section. The blades can be front-pitching or rear-pitching. The fan can provide low-noise running. The fan and motor is set in the same special-designed chassis. There is a new rubber shock absorber at the bottom. The motor is installed on the track, and the tightness can be adjusted by the strap. The outlet mouth is connected to the box body with a soft tie-in. Convert frequency device or VS magnet speed-regulating motors can be used for the motor. Fan type and motor power shall be decided by the customers to their actual requirements.



Middle Section: Used with other sections for the maintenance or installation of the unit.





4 Air Volume Form for ZK Assembly Type AHU

Variant blowing speed is available for the same unit, as follows

Type	Width (B) mm	Height (H) mm	blowing speed of the radiator(m/s)								
			1.50	2.00	2.50	2.70	3.00	3.50	4.00	4.50	5.00
			corresponding air flow (m ³ /h)								
zk-04	1300	900	2470	3290	4100	4430	4920	5740	6560	7390	8100
zk-06	1400	1000	3700	4930	6170	6630	7360	8590	9830	11040	12280
zk-08	1600	1100	5100	6800	8570	9450	10500	12000	13710	15440	17160
zk-11	1700	1400	6900	9200	11520	12700	14100	16100	18400	20730	23000
zk-13	2000	1400	7900	10530	13200	14500	16100	18400	21000	23700	26300
zk-17	2200	1400	10300	13740	17170	18900	21000	24000	27450	30900	34300
zk-22	2200	1700	13320	17760	22200	25880	27900	31000	35500	40000	44400
zk-27	2600	1700	15900	21200	26550	28800	32000	36570	41800	47100	52300
zk-32	2600	2000	18900	25200	31500	34400	38200	43700	50000	56200	62500
zk-35	2800	2000	20600	27500	34400	37760	42000	48000	54800	61700	68600
zk-42	3300	2000	25300	33760	42200	46500	51600	59000	67450	75950	84400
zk-50	3800	2000	29800	39800	49770	54800	60900	69600	79550	89580	99500
zk-60	4200	2150	35520	47360	59200	65200	72440	82800	94600	106560	118400
zk-67	4500	2150	39900	53200	66500	72470	80520	92020	105100	118440	131600
zk-80	4700	2600	48600	64800	81050	89200	99100	113300	129500	145800	162000
zk-100	5200	2700	61200	81600	102000	112400	125000	142800	163200	183800	204200
zk-120	5400	3000	71760	95680	119600	132170	146850	167830	191800	216000	240000
zk-135	5700	3200	80580	107440	134300	147500	163900	187400	214200	242000	268000

Description:

1.50~2.50m/s: Cooling range without dash plate

2.70m/s: Max blowing speed of vertical flow radiating section

2.70~3.50m/s: Cooling range with standard dash plate
Special dash plate is required if exceeding 3.5m/s

4.00~5.00m/s: Range of heating, ventilation and air exhausting



5 Section Weight Form of ZK Assembly Type AHU

Unit: kg

Type	ZK-04	ZK-06	ZK-08	ZK-11	ZK-13	ZK-17	ZK-22	ZK-27	ZK-32	ZK-35	ZK-42	ZK-50	ZK-60	ZK-67	ZK-80	ZK-100	ZK-120	ZK-135
level in/out air section	42	52	62	73	81	88	103	118	133	148	180	205	230	245	270	305	320	400
Vertical in/out air section	45	60	75	95	120	130	150	160	180	210	350	400	450	500	630	680	720	990
Mixing section	50	70	80	90	100	110	120	130	150	170	310	330	390	400	520	550	600	770
Air Exhausting, Return Air and New Air Regulating Section	90	130	140	150	160	170	190	220	240	320	530	540	650	670	880	990	1150	1300
Plate-type filtering section	16	18	19	21	23	25	30	35	40	45	50	60	65	70	90	95	100	130
Initial-efficiency filtering section	30	40	40	50	55	60	70	80	85	90	100	120	140	140	170	190	210	230
Middle-efficiency filtering section	80	85	90	110	120	130	140	160	170	180	210	230	260	270	310	340	370	400
High-efficiency tube filtering section	75	1010	1150	1250	1300	1400	1650	1890	1980	2160	2500	2760	3100	3450	4050	4300	4550	4950
steam, hot water and electric heating section	115	160	195	220	255	290	350	410	480	530	720	850	930	1295	1520	1750	2100	2400
radiating section	156	220	260	320	356	420	525	650	785	875	1200	1500	1675	2200	2650	3065	3510	4285
spraying section	Single row	480	650	750	830	880	1020	1110	1230	1320	1450	1700	1800	2000	2300	2700	2900	3200
	Double row	675	900	1000	1200	1280	1400	1500	1700	1900	2000	2400	2600	2800	3100	3300	3700	4900
steam humidifying section	70	80	90	95	100	115	140	165	190	200	215	230	250	270	290	310	370	410
Noise -elimination section	140	180	220	250	280	330	390	430	450	520	560	640	750	890	1050	1200	1450	1900
fan section	240	300	330	400	480	560	590	690	800	920	1030	1270	1340	1670	2200	----	----	----
Imiddle section	70	80	90	120	130	150	160	175	200	220	240	260	280	310	340	380	420	470



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6 Dimension Form for Function Section of ZK Assembly Type AHU

Unit: mm

Symbol																		
Type	unit section size B×H	level in/out air section	Vertical in/out air section	Mixing section	Air Exhausting Return Air and New Air Regulating Section	Plate-type filtering section	Initial-efficiency filtering section	Middle-efficiency filtering section	High-efficiency tube filtering section	steam, hot water and electric heating section	radiating section	heat recovery	spraying section		steam humidifying section	Noise-elimination section	Fan section	Middle section
													Single row	Double row				
ZK-04	1300 × 900	380	630	580	1050	175	250	700	3150	525	500	the section length is decided by the type of heat recovery system, new air volume and heat recovery efficiency.	1750	2400		1000	1290	500
ZK-06	1400 × 1000	380	730	680	1050												1400	
ZK-08	1600 × 1100	380	830	780	1150												1500	
ZK-11	1700 × 1400	380	880	780	1150												1600	
ZK-13	2000 × 1400	380	930	830	1550												1700	
ZK-17	2200 × 1400	380	1000	880	1550												1800	
ZK-22	2200 × 1700	380	1000	980	1950												1900	
ZK-27	2600 × 1700	380	1100	980	2150												2000	
ZK-32	2600 × 2000	380	1100	1080	2150												2000	
ZK-35	2800 × 2000	380	1200	1180	2350												2100	
ZK-42	3300 × 2000	380	1200	1180	2350												2100	
ZK-50	3800 × 2000	380	1200	1180	2350												2100	
ZK-60	4200 × 2150	450	1300	1280	2550												2100	
ZK-67	4500 × 2150	450	1300	1280	2550												2100	
ZK-80	4700 × 2600	450	1500	1480	2950												2300	
ZK-100	5200 × 2700	450	1600	1530	3350												----	
ZK-120	5400 × 3000	450	1700	1580	3350	----												
ZK-135	5700 × 3200	450	1800	1780	3550	----												

the section length is decided by the type of heat recovery system, new air volume and heat recovery efficiency.



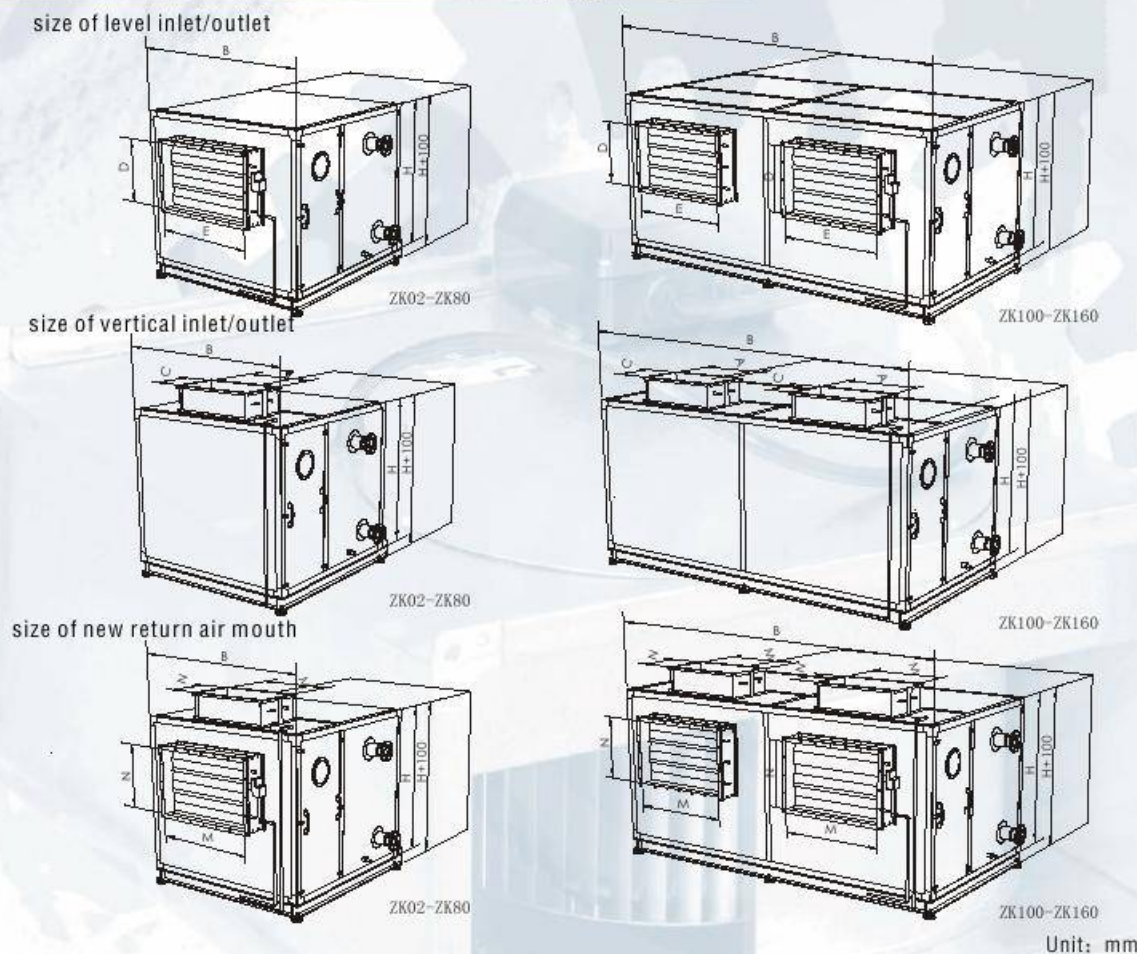
7 Parameter Form of ZK Assembly Type AHU

Type		zk-04	zk-06	zk-08	zk-11	zk-13	zk-17	zk-22	zk-27	zk-32	zk-35	zk-42	zk-50	zk-60	zk-67	zk-80	zk-100	zk-120	zk-135		
main technical parameter	unit section size B×H		1300 × 900	1400 × 1000	1600 × 1100	1700 × 1400	2000 × 1400	2200 × 1400	2200 × 1700	2600 × 1700	2600 × 2000	2800 × 2000	3300 × 2000	3800 × 2000	4200 × 2150	4500 × 2150	4700 × 2600	5200 × 2700	5400 × 3000	5700 × 3200	
	Air volume(m³/h)		4000	6000	8000	11000	13000	17000	22000	27000	32000	3500	42000	50000	60000	67000	80000	100000	120000	135000	
	Cooling capacity (kW)	inlet working condition	27℃DB/19.5℃WB																		
		4-rows	15.8	22.9	36.4	52.6	65.2	75.8	108.8	137.3	160.5	180.8	189.7	240	346.5	337.9	425.8	525.8	630.5	721.1	
		6-rows	24.4	35	52.9	74.7	92	114.7	148.8	185.8	215.2	241.1	271.4	334.4	400.2	458.6	580	705.8	842.3	960	
		8-rows	30	42.9	63.8	90.3	110.8	135	175.3	217.3	250	280	323.8	398.2	470.5	541.4	677.6	825.8	976.4	1115.3	
	Heating capacity (kW)	inlet working condition	15℃DB																		
		Hot water	1-rows	19.1	27.9	41.7	58.8	70.5	90.2	116.7	144.1	169.4	189.1	237.6	287.3	341.7	388.2	482.3	588.2	703.5	798.8
			2-rows	38.8	55.8	69.2	113.2	135.2	169.4	219.4	268	311.7	346.4	409	495.2	587.9	669.1	832.9	1015.2	1208.2	1374.2
		Steam	1-rows	37.9	55	77.6	106	123	155.8	201.4	242.6	275.8	310.3	385.3	479.1	572	758.6	998	1170	1330	1510
* Wind pressure(Pa)		650	700	700	600	550	500	550	600	700	650	550	500	600	650	650	600	750	650		
* Motor power(kW)		2.2	3	3	4	5.5	5.5	7.5	11	15	15	18.5	18.5	2×11	2×15	2×22	2×22	2×30	2×30		
* fan rational speed(Rpm)		1700	1600	1400	1100	1200	900	1050	900	1050	850	800	800	650	570	650	500	450	390		
* Noise dB(A)		61	62	63	64	65	65	68	70	78	79	81	83	84	85	88	89	90	91		
initial-efficiency filtering section	first resistance(Pa)		50 (bag type) , 75 (plate type)																		
	End resistance(Pa)		100 (bag type) , 150 (plate type)																		
	count efficiency(%)		20≤E<80 (grain way≥5.0 μ m)																		
Middle-efficiency filtering section	first resistance(Pa)		75																		
	End resistance(Pa)		150																		
	count efficiency(%)		20≤E<70 (grain way≥1.0 μ m)																		
High-efficiency filtering section	first resistance(Pa)		160																		
	operation resistance(Pa)		400-600																		
	count efficiency(%)		99≤E<99.92 (5 μ m≥grain way≥0.5 μ m)																		
Humidifying section	Humidifying volume(kg/h)		15	18	29	40	44	54	68	78	94	103	120	150	180	200	240	300	360	405	
	dry steam inlet(mm)		15					20					32		40	2-32			2-40		
	Condensate outlet(mm)		15					20					32		40	2-32			2-40		
	temperature of in/out water(℃)		7/12																		
raiding section	4-rows	Water flux(T/h)	2.72	3.94	6.28	9.07	11.25	13.07	18.77	23.66	27.67	31.17	32.7	41.37	59.7	58.24	73.4	90.64	108.7	124	
		Water ristance(kPa)	1.8	3.87	5.12	7.48	8.85	15.12	20.19	25.85	26.72	25.81	29.15	26.12	28.68	38.97	29.39	30.71	31.27	33.27	
	6-rows	Water flux(T/h)	3.54	5.12	8.16	11.7	14.62	17	24.4	30.75	35.1	40.3	44.2	53.8	77.61	75.71	95.42	117.85	141.3	161.2	
		Water ristance(kPa)	3.96	5.43	8.37	10.83	12.36	21.42	28.37	35.86	39.41	43.2	46.17	41.37	46.21	50.47	49.56	51.19	52.34	57.52	
	8-rows	Water flux(T/h)	4.32	6.25	9.96	14.27	20.28	20.74	29.77	37.52	42.82	49.17	53.93	65.64	94.68	92.4	116.4	143.7	172.4	196.6	
		Water ristance(kPa)	2.62	4.02	6.43	8.82	10.17	19.5	32.81	38.27	43.87	46.28	49.86	37.19	42.45	46.12	44.81	45.97	46.27	51.67	
	Dia. of in/out water duct(mm)		32	40	40	50	50	50	2×50	2×50	2×50	2×50	4×50	4×50	4×50	4×50	4×50	4×70	4×70	4×70	
	Dia. of condensate duct(mm)		25	32	32	32	32	32	32	32	32	32	32	40	40	40	40	40	40	40	
	temperature of in/out water(℃)		7/12																		
	heating section	Water flux(T/h)	2-rows	1.71	2.51	3.75	5.3	6.35	8.12	10.5	12.97	15.25	17.01	21.38	25.86	30.75	34.94	43.4	52.94	63.32	71.89
4-rows			3.25	4.77	7.13	10.07	12.07	15.42	19.95	24.64	28.98	32.32	40.62	49.13	58.43	66.39	82.46	100.58	120.3	136.59	
Water ristance(kPa)		0.015																			
Dia. of in/out water duct(mm)		25	32	32	40	40	50	2×50	2×50	2×50	2×50	4×40	4×40	4×40	4×40	4×40	4×40	4×40	4×40		
water speed(m/s)		1																			
hot water temperature(℃)		60																			
steam pressure(MPa/℃)		0.1MPa (meter pressure) /120℃																			
Dia. of steam duct(mm)		25	25	25	32	32	32	40	40	40	40	50	2×40	2×50	4×40	4×40	4×50	4×50	4×50		
return air fan section		Usually, the return air volume is 80% of blowing air volume; the total pressure of return air fan is 50% of that of blowing air fan. If customers require other option, it must be specified in the contract. The section length shall be decided by the actual conditions.																			

Note: values marked with * are references. Fan and motor shall be applicable to the actual conditions.



8 Dimension Form for Inlet/Outlet of ZK Assembly Type AHU



Unit: mm

Type	unit section size B x H	size of level inlet/outlet E x D	size of vertical inlet/outlet A x C	size of mixing inlet	
				size of return air mouth M x N	size of fresh air vent M x N
zk-04	1300 x 900	500 x 310	500 x 310	400 x 310	400 x 310
zk-06	1400 x 1000	600 x 510	1000 x 310	600 x 310	600 x 310
zk-08	1600 x 1100	800 x 510	1000 x 410	800 x 310	800 x 310
zk-11	1700 x 1400	900 x 610	1000 x 510	1000 x 310	1000 x 310
zk-13	2000 x 1400	1100 x 610	1300 x 510	1000 x 410	1000 x 410
zk-17	2200 x 1400	1400 x 610	1500 x 510	1300 x 410	1300 x 410
zk-22	2200 x 1700	1300 x 810	1600 x 610	1400 x 510	1400 x 510
zk-27	2600 x 1700	1300 x 910	1800 x 610	1300 x 610	1300 x 610
zk-32	2600 x 2000	1800 x 910	1600 x 810	1400 x 610	1400 x 610
zk-35	2800 x 2000	1500 x 1010	1800 x 810	1500 x 610	1500 x 610
zk-42	3300 x 2000	2-1200 x 810	2-1500 x 710	2-1000 x 710	2-1000 x 710
zk-50	3800 x 2000	2-1500 x 810	2-1800 x 710	2-1200 x 710	2-1200 x 710
zk-60	4200 x 2150	2-1500 x 910	2-1800 x 810	2-1400 x 710	2-1400 x 710
zk-67	4500 x 2150	2-1800 x 910	2-1800 x 910	2-1200 x 810	2-1200 x 810
zk-80	4700 x 2600	2-1800 x 1110	2-2000 x 910	2-1300 x 810	2-1300 x 810
zk-100	5200 x 2700	2-2000 x 1210	2-2000 x 1210	2-1500 x 810	2-1500 x 810
zk-120	5400 x 3000	2-2000 x 1210	2-2000 x 1210	2-1800 x 810	2-1800 x 810
zk-135	5700 x 3200	2-2000 x 1320	2-2000 x 1320	2-1800 x 810	2-1800 x 810

Note: the inlet/outlet size in the form is just for reference in design.



9 Resistance Form for Function Section of ZK Assembly Type AHU

Unit: Pa

Type		ZK-04	ZK-06	ZK-08	ZK-11	ZK-13	ZK-17	ZK-22	ZK-27	ZK-32	ZK-35	ZK-42	ZK-50	ZK-60	ZK-67	ZK-80	ZK-100	ZK-120	ZK-135
level in/out air section		15	15	15	15	15	15	16	16	16	17	17	18	18	18	18	18	18	18
vertical in/out air section		15	15	15	15	15	16	16	16	17	17	18	19	20	20	20	20	20	20
mixing section		15	15	15	16	16	16	17	17	18	18	18	20	20	21	22	22	22	22
Air Exhausting, Return Air and New Air Regulating Section		30	30	30	32	32	33	35	35	37	38	40	40	40	40	40	40	40	40
Plate-type filtering section	first resistance(Pa)	75																	
	End resistance(Pa)	150																	
Initial-efficiency filtering section	first resistance(Pa)	40																	
	End resistance(Pa)	80																	
Middle-efficiency filtering section	first resistance(Pa)	75																	
	End resistance(Pa)	150																	
High-efficiency tube filtering section	first resistance(Pa)	160																	
	Operation resistance(Pa)	400~600																	
steam heating		40																	
electric heating		40																	
hot water heating	2-rows	35																	
	4-rows	70																	
radiating section	4-rows	90																	
	6-rows	130																	
	8-rows	180																	
dash plate		50																	
Spraying section	Single row	60	62	62	65	65	70	70	70	70	70	70	72	76	76	80	80	80	80
	Double row	73	75	78	78	78	78	78	80	80	84	84	88	88	88	88	90	90	90
steam humidifying section		20																	
noise-elimination section		40																	
middle section		15																	

Note: 1. Data in the form are resistance passing radiator under rated air volume (blowing speed 2.5m/s)

2. The resistance is of 75% when the blowing speed is 2.0m/s passing radiator under rated air volume.

3. The resistance is of 130% when the blowing speed is 1.3m/s passing radiator under rated air volume.

10 Combination Reference and Dimension Reference for ZK Assembly Type AHU

Unit: mm

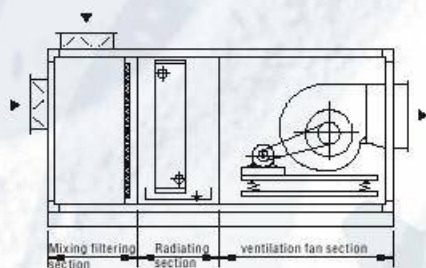
Type	ZK-04	ZK-06	ZK-08	ZK-11	ZK-13	ZK-17	ZK-22	ZK-27	ZK-32	ZK-35	ZK-42	ZK-50	ZK-60	ZK-67	ZK-80	ZK-100	ZK-120	ZK-135
combination mode	section size B×H	1300×900	1400×1000	1600×1100	1700×1400	2000×1400	2200×1700	2600×1700	2600×2000	2800×2000	3300×2000	3800×2000	4200×2150	4500×2150	4700×2600	5200×2700	5400×3000	5700×3200
	W1	2550	2750	2950	3050	3210	3360	3560	3660	3760	3960	3960	4060	4060	4460	—	—	—
	W2	3150	3350	3550	3650	3810	3960	4160	4260	4360	4560	4560	4660	4660	5060	—	—	—
	W3	5480	5880	6200	6400	6650	6800	7100	7200	7400	7500	7500	7600	7700	8300	—	—	—
	W4	5330	5530	5830	6030	6730	6930	7130	7630	8000	8370	8370	8630	8650	9000	11000	—	—
	W5	6180	6580	6900	7100	7250	7400	7700	7800	8000	8100	8100	8200	8300	8300	8900	—	—
	W6	5050	5250	5450	5550	5710	5910	6010	6110	6300	6300	6300	6400	6400	6800	7200	—	—
	W7	4930	5100	5500	5730	6500	6900	7100	7600	8000	8400	8400	8900	8900	9400	9700	—	—
	W8	7250	7650	7950	8200	8350	8500	8900	9000	9200	9300	9300	9500	9600	9600	11000	—	—

Note: 1. B refers to width of units, H to height and L to length

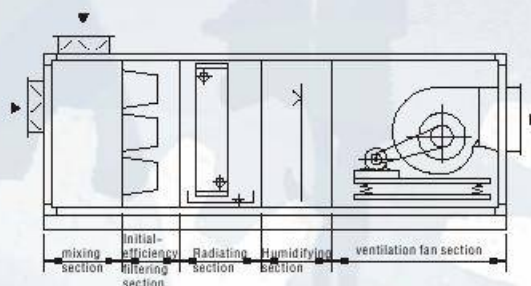
2. All combination modes above are just for reference.

3. Heat recovery in W7 mode is calculated to new air volume 30%. Heat recovery mode is wheel heat recovery.

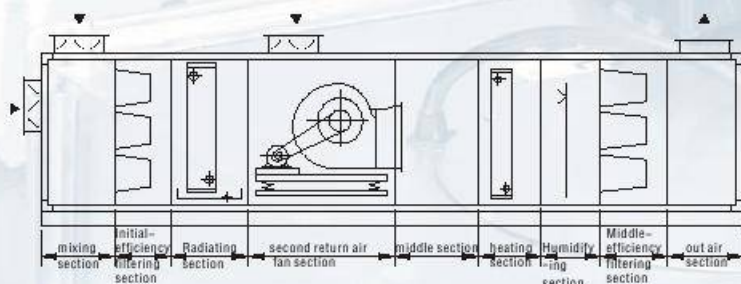
4. We could also provide specially designed combination mode if required. Please contact 021-44323600 for details.



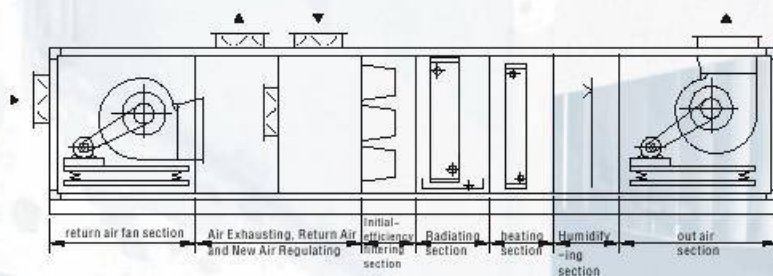
Combination mode W1



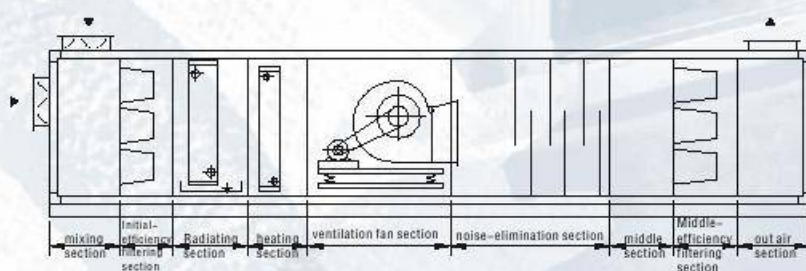
Combination mode W2



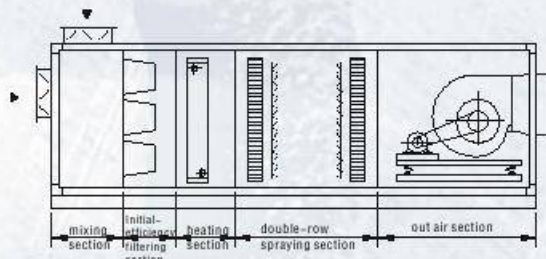
Combination mode W3



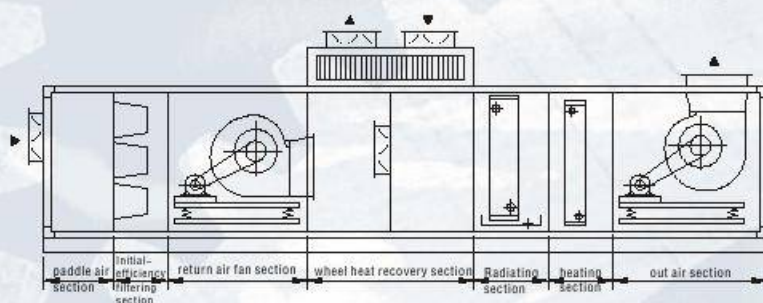
Combination mode W4



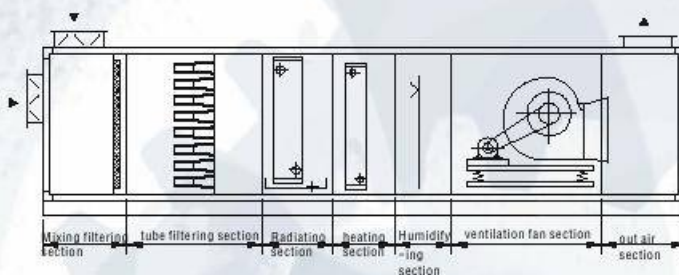
Combination mode W5



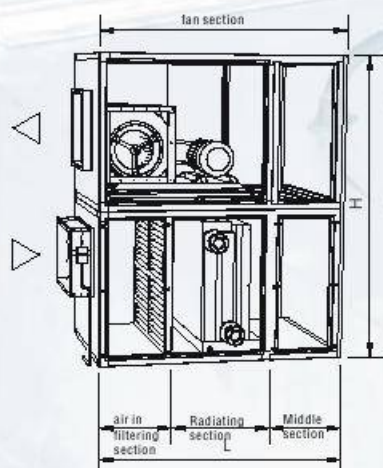
Combination mode W6



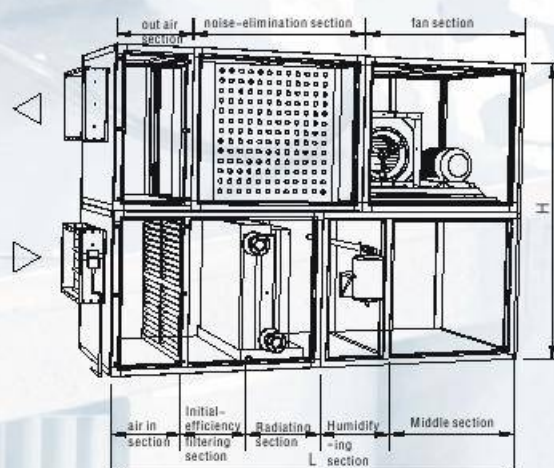
Combination mode W7



Combination mode W8



Combination mode D1



Combination mode D2



Folded Type Assembly AHU

Dimension form

Unit : mm

Type	Air volume m ³ /h	combination mode		
		section size B×H	D1	D2
			L	
zk-04	4000	1300 × 1800	1400	2800
zk-06	6000	1400 × 2000	1400	3000
zk-08	8000	1600 × 2200	1550	3000
zk-11	11000	1700 × 2800	1650	3500
zk-13	13000	2000 × 2800	1800	3600
zk-17	17000	2200 × 2800	1800	4000
zk-22	22000	2200 × 3400	1800	4500
zk-27	27000	2600 × 3400	2000	4800
zk-32	32000	2600 × 4000	2000	5200
zk-35	35000	2800 × 4000	2200	5400

Note: 1, B refers to the width of unit, H to height and L to length

2, All be combination modes above are just for reference.

3, We could also provide specially designed combination mode if required.



کارنو

تهویه سازان ایرانیان



کارخانه :

کیلومتر ۲۸ جاده مخصوص کرج ، جنب کارخانه پلیکان

تلفن : ۰۲۱-۴۴۳۲۳۶۰۰ ، ۰۲۱-۳۲۳۰۳۷۲۱

نماینده : ۰۲۱-۴۴۳۱۵۰۱۱

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