



TECHNICAL MANUAL

AIR HANDLING UNIT

SCOPE

This course is intended to support engineering staff that are installing, commissioning, servicing or maintaining of our Air Handling Unit.

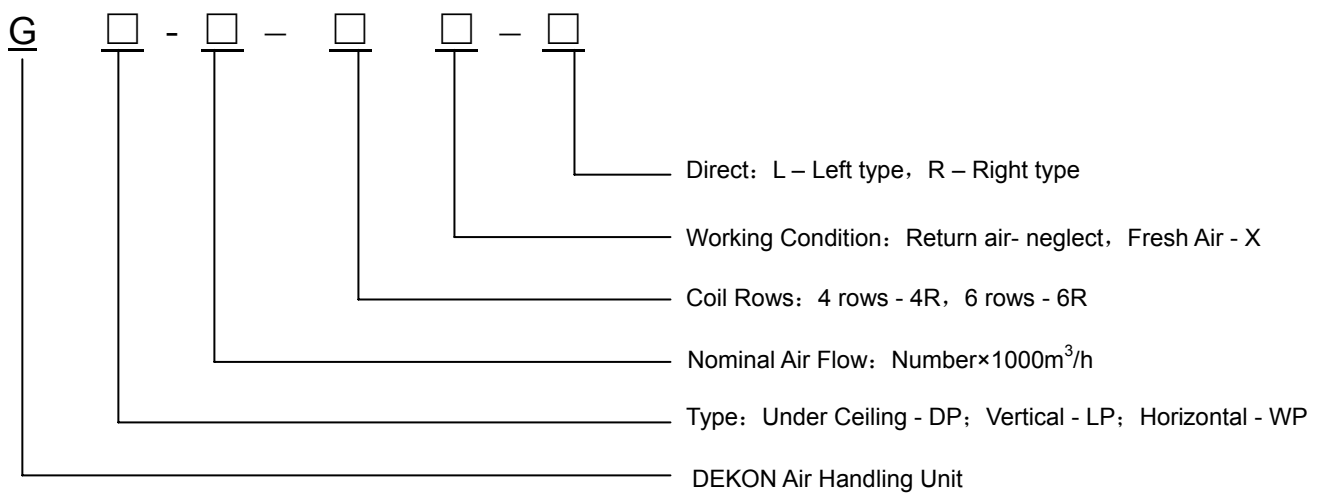
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Request Parameter of Order

DEKON AIR HANDLING UNIT

Denomination



Notes:

Unit direction judgment: Face to air inlet, inlet water pipe at left is left type, inlet water pipe at right is right type.

1. Compact Air Handling Unit

1.1 Basic Parameter Table

1.1.1 Under Ceiling Unit



Return Air Working Condition Performance Table

Product Type	Rated Air Volume m ³ /h	Rated Cooling Capacity KW	Rated Heating Capacity KW	Cooled Water		External Static Pressure Pa	Motor Power KW	Noise Level dB(A)	Unit Weight kg	Dimension L×W×H mm
				Flow L/s	Resistance KPa					
GDP-02	4R	2000	11.5	18	0.55	10.2	0.32	56	95	850×900×550
	6R		13	24	0.63	22			135	
GDP-03	4R	3000	17	28.5	0.82	20.5	0.55	57	120	1120×900×550
	6R		21	33	1.08	42			136	
GDP-04	4R	4000	23	35	1.10	24	0.8	58	155	1170×950×650
	6R		29	44	1.40	54			156	
GDP-05	4R	5000	29	45	1.41	23	0.37×2	59	179	1400×950×650
	6R		36	54	1.72	44			140	
GDP-06	4R	6000	34	54	1.63	29	0.55×2	61	210	1670×950×650
	6R		41	65	1.96	59			185	
GDP-08	4R	8000	48	75	2.30	24	0.8×2	63	250	1960×950×650
	6R		59	90	2.82	46			174	
GDP-10	4R	10000	58	88	2.80	35	1.1×2	65	315	2110×1150×800
	6R		74	114	3.54	59			286	
GDP-12	4R	12000	71	106	3.41	45	1.5×2	68	350	2350×1150×800
	6R		88	135	4.21	72			280	
GDP-15	4R	15000	87	132	4.17	50	2.2×2	70	445	2350×1150×950
	6R		108	168	5.16	89			440	

Remark:

©The value is the tested value in 《Cabinet type fan coil unit》 <JB/T 9066-1999> standard.

©Rated Cooling capacity test working condition is: Inlet air DB temperature 27℃, WB temperature 19.5℃。Water inlet temperature 7℃, water temperature difference 5℃;

©Rated Heating capacity test working condition is: Inlet air DB temperature 21℃, Inlet water temperature 60℃。

©If the real working condition is different with the above working condition, the user should select according to the project.

Fresh Air Working Condition Performance Table

Product Type	Rated Air Volume m ³ /h	Rated Cooling Capacity KW	Rated Heating Capacity KW	Cooled Water		External Static Pressure Pa	Motor Power KW	Noise Level dB(A)	Unit Weight kg	Dimension L×W×H mm
				Flow L/s	Resistance KPa					
GDP-02	4RX	2000	22.4	26.2	1.12	19	0.32	56	95	850×900×550
	6RX		30.1	31.5	1.44	28			135	
GDP-03	4RX	3000	33.1	38.4	1.59	26	0.45	57	120	1120×900×550
	6RX		44.5	45.7	2.15	33			136	
GDP-04	4RX	4000	42.6	50.3	2.05	32	0.8	58	155	1170×950×650
	6RX		59.6	61.2	2.86	20			156	
GDP-05	4RX	5000	54.3	63.4	2.61	46	0.37×2	59	179	1400×950×650
	6RX		74.1	76.3	3.56	35			140	
GDP-06	4RX	6000	62.5	75.4	3.02	36	0.55×2	61	210	1670×950×650
	6RX		84.5	90.2	4.05	50			185	
GDP-08	4RX	8000	82.5	100.6	3.97	46	0.8×2	63	250	1960×950×650
	6RX		115.0	121.6	5.51	60			174	
GDP-10	4RX	10000	105.2	123.4	5.04	54	1.1×2	65	315	2110×1150×800
	6RX		143.5	148.2	6.87	79			286	
GDP-12	4RX	12000	129.2	150.5	6.19	63	1.5×2	68	350	2350×1150×800
	6RX		177.1	182.4	8.51	85			280	
GDP-15	4RX	15000	161.3	180.7	7.72	75	2.2×2	70	445	2350×1150×950
	6RX		224.5	240.3	10.75	94			440	

Remark:

©The value is the tested value in 《Cabinet type fan coil unit》 <JB/T 9066-1999> standard.

©Rated Cooling capacity test working condition is: Inlet air DB temperature 35℃, WB temperature 28℃。Water inlet temperature 7℃, water temperature difference 5℃;

©Rated Heating capacity test working condition is: Inlet air DB temperature 7℃, Inlet water temperature 60℃。

©If the real working condition is different with the above working condition, the user should select according to the project.

1.1.2 Vertical Unit



Return Air Working Condition Performance Table

Product Type	Rated Air Volume m ³ /h	Rated Cooling Capacity KW	Rated Heating Capacity KW	Cooled Water		External Static pressure Pa	Motor Power KW	Noise Level dB(A)	Unit Weight kg	Dimension L×W×H mm	
				Flow L/s	Resistance KPa						
GLP-02	4R	2000	11.5	18	0.55	10.2	165	0.32	56	125	850×750×1150
	6R		13	24	0.63	22				135	
GLP-03	4R	3000	17	28.5	0.82	20.5	180	0.45	57	135	1120×750×1200
	6R		21	33	1.08	42				136	
GLP-04	4R	4000	23	35	1.10	24	200	0.8	58	195	1170×800×1350
	6R		29	44	1.40	54				156	
GLP-05	4R	5000	29	45	1.41	23	365	1.5	62	215	1400×800×1400
	6R		36	54	1.72	44				330	
GLP-06	4R	6000	34	54	1.63	29	485	1.8	64	256	1670×800×1450
	6R		41	65	1.96	59				440	
GLP-08	4R	8000	48	75	2.30	24	580	2.2	65	315	1960×800×1500
	6R		59	90	2.82	46				540	
GLP-10	4R	10000	58	88	2.80	35	470	3.0	68	336	2110×950×1580
	6R		74	114	3.54	59				440	
GLP-12	4R	12000	71	106	3.41	45	550	5.5	70	355	2350×950×1750
	6R		88	135	4.21	72				515	
GLP-15	4R	15000	87	132	4.17	50	750	5.5	72	475	2350×950×1950
	6R		108	168	5.16	89				726	
GLP-18	4R	18000	106	166	5.07	28	460	3.0×2	70	515	2510×1020×1950
	6R		135	216	6.45	50				429	
GLP-20	4R	20000	118	185	5.64	32	450	3.0×2	70	560	2350×1020×2250
	6R		150	228	7.18	55				420	
GLP-24	4R	24000	134	217	6.41	37	565	5.5×2	72	610	2500×1020×2250
	6R		182	285	8.71	59				523	
GLP-30	4R	30000	170	268	8.13	38	550	5.5×2	72	680	2580×1020×2550
	6R		225	335	10.78	58				515	
GLP-35	4R	35000	198	331	9.47	26	650	7.5×2	75	730	2850×1020×2700
	6R		265	398	12.68	50				610	
GLP-40	4R	40000	226	362	10.81	29	765	18.5	78	950	2900×1020×2900
	6R		302	453	14.44	52				730	

Remark:

◎The value is the tested value in 《Cabinet type fan coil unit》 <JB/T 9066-1999> standard.

◎Rated Cooling capacity test working condition is: Inlet air DB temperature 27℃, WB temperature 19.5℃。Water inlet temperature 7℃, water temperature difference 5℃;

◎Rated Heating capacity test working condition is: Inlet air DB temperature 21℃, Inlet water temperature 60℃。

◎ If the real working condition is different with the above working condition, the user should select according to the project.

Fresh Air Working Condition Performance Table

Product Type	Rated Air Volume m ³ /h	Rated Cooling capacity KW	Rated Heating capacity KW	Cold water		External Static Pressure Pa	Motor Power KW	Noise Level dB(A)	Unit Weight kg	Dimension L×W×H mm
				Flow L/s	Resistance KPa					
GLP-02	4RX	2000	22.4	26.2	1.12	19	0.32	56	125	850×750×1150
	6RX		30.1	31.5	1.44	28			140	
GLP-03	4RX	3000	33.1	38.4	1.59	26	0.45	57	135	1120×750×1200
	6RX		44.5	45.7	2.15	33			160	
GLP-04	4RX	4000	42.6	50.3	2.05	32	0.8	58	195	1170×800×1350
	6RX		59.6	61.2	2.86	20			220	
GLP-05	4RX	5000	54.3	63.4	2.61	46	1.5	62	215	1400×800×1400
	6RX		74.1	76.3	3.56	35			235	
GLP-06	4RX	6000	62.5	75.4	3.02	36	1.8	64	256	1670×800×1450
	6RX		84.5	90.2	4.05	50			285	
GLP-08	4RX	8000	82.5	100.6	3.97	46	2.2	65	315	1960×800×1500
	6RX		115.0	121.6	5.51	60			346	
GLP-10	4R	10000	105.2	123.4	5.04	54	3.0	68	336	2110×950×1580
	6RX		143.5	148.2	6.87	79			369	
GLP-12	4RX	12000	129.2	150.5	6.19	63	5.5	70	355	2350×950×1750
	6RX		177.1	182.4	8.51	85			515	
GLP-15	4RX	15000	161.3	180.7	7.72	75	5.5	72	475	2350×950×1950
	6RX		224.5	240.3	10.75	94			726	
GLP-18	4RX	18000	191.2	217.4	9.15	46	3.0×2	70	515	2510×1020×1950
	6RX		246.1	265.6	11.78	81			429	
GLP-20	4RX	20000	213.1	243.7	10.21	48	3.0×2	70	560	2350×1020×2250
	6RX		274.5	296.4	13.16	84			420	
GLP-24	4RX	24000	254.6	286.3	12.18	51	5.5×2	72	610	2500×1020×2250
	6RX		327.5	349.2	15.66	87			523	
GLP-30	4RX	30000	321.3	375.4	15.42	54	5.5×2	72	680	2580×1020×2550
	6RX		415.4	443.5	19.88	86			515	
GLP-35	4RX	35000	370.5	418.6	17.72	47	7.5×2	75	730	2850×1020×2700
	6RX		479.2	512.2	22.91	95			610	
GLP-40	4RX	40000	423.2	471.2	20.25	56	18.5	78	950	2900×1200×2900
	6RX		550.6	576.8	26.35	97			730	

Remark:

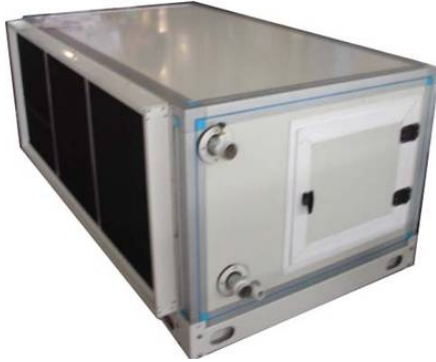
◎The value is the tested value in 《Cabinet type fan coil unit》 <JB/T 9066-1999> standard.

◎Rated Cooling capacity test working condition is: Inlet air DB temperature 35℃, WB temperature 28℃。Water inlet temperature 7℃, water temperature difference 5℃;

©Rated Heating capacity test working condition is: Inlet air DB temperature 7℃, Inlet water temperature 60℃。

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1.1.3 Horizontal Unit



Return Air Working Condition Performance Table

Product Type	Rated Air Volume m ³ /h	Rated Cooling Capacity KW	Rated Heating Capacity KW	Cooled Water		External Static Pressure Pa	Motor Power KW	Noise Level dB(A)	Unit Weight kg	Dimension L×W×H mm	
				Flow L/s	Resistance KPa						
GWP-02	4R	2000	11.5	18	0.55	10.2	165	0.32	56	130	850×900×550
	6R		13	24	0.63	22					
GWP-03	4R	3000	17	28.5	0.82	20.5	180	0.45	57	141	1120×900×550
	6R		21	33	1.08	42					
GWP-04	4R	4000	23	35	1.10	24	200	0.8	58	203	1170×950×650
	6R		29	44	1.40	54					
GWP-05	4R	5000	29	45	1.41	23	365	1.5	62	224	1400×1050×800
	6R		36	54	1.72	44					
GWP-06	4R	6000	34	54	1.63	29	485	1.8	64	267	1670×1050×800
	6R		41	65	1.96	59					
GWP-08	4R	8000	48	75	2.30	24	580	2.2	65	328	1960×1050×950
	6R		59	90	2.82	46					
GWP-10	4R	10000	58	88	2.80	35	470	3.0	68	350	2110×1050×950
	6R		74	114	3.54	59					
GWP-12	4R	12000	71	106	3.41	45	550	5.5	70	370	2350×1350×1050
	6R		88	135	4.21	72					
GWP-15	4R	15000	87	132	4.17	50	750	5.5	72	495	2350×1350×1250
	6R		108	168	5.16	89					
GWP-18	4R	18000	106	166	5.07	28	460	3.0×2	70	537	2510×1350×1250
	6R		135	216	6.45	50					
GWP-20	4R	20000	118	185	5.64	32	450	3.0×2	70	584	2350×1350×1500
	6R		150	228	7.18	55					
GWP-24	4R	24000	134	217	6.41	37	565	5.5×2	72	636	2500×1450×1550
	6R		182	285	8.71	59					
GWP-30	4R	30000	170	268	8.13	38	550	5.5×2	72	709	2580×1450×1550
	6R		225	335	10.78	58					
GWP-35	4R	35000	198	331	9.47	26	650	7.5×2	75	761	2850×1450×1650
	6R		265	398	12.68	50					
GWP-40	4R	40000	226	362	10.81	29	765	18.5	78	990	2900×1750×1750
	6R		302	453	14.44	52					

Remark:

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© Rated Heating capacity test working condition is: Inlet air DB temperature 21℃, Inlet water temperature 60℃。

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Fresh Air Working Condition Performance Table

Product type	Rated Air Volume m ³ /h	Rated Cooling Capacity KW	Rated Heating Capacity KW	Cooled Water		External Static Pressure Pa	Motor Power KW	Noise Level dB(A)	Unit Weight kg	Dimension L×W×H mm
				Flow L/s	Resistance KPa					
GWP-02	4RX	2000	22.4	26.2	1.12	19	0.32	56	130	850×900×550
	6RX		30.1	31.5	1.44	28			146	
GWP-03	4RX	3000	33.1	38.4	1.59	26	0.45	57	141	1120×900×550
	6RX		44.5	45.7	2.15	33			167	
GWP-04	4RX	4000	42.6	50.3	2.05	32	0.8	58	203	1170×950×650
	6RX		59.6	61.2	2.86	20			229	
GWP-05	4RX	5000	54.3	63.4	2.61	46	1.5	62	224	1400×1050×800
	6RX		74.1	76.3	3.56	35			245	
GWP-06	4RX	6000	62.5	75.4	3.02	36	1.8	64	267	1670×1050×800
	6RX		84.5	90.2	4.05	50			297	
GWP-08	4RX	8000	82.5	100.6	3.97	46	2.2	65	328	1960×1050×950
	6RX		115.0	121.6	5.51	60			361	
GWP-10	4RX	10000	105.2	123.4	5.04	54	3.0	68	350	2110×1050×950
	6RX		143.5	148.2	6.87	79			385	
GWP-12	4RX	12000	129.2	150.5	6.19	63	5.5	70	370	2350×1350×1050
	6RX		177.1	182.4	8.51	85			402	
GWP-15	4RX	15000	161.3	180.7	7.72	75	5.5	72	495	2350×1350×1250
	6RX		224.5	240.3	10.75	94			527	
GWP-18	4RX	18000	191.2	217.4	9.15	46	3.0×2	70	537	2510×1350×1250
	6RX		246.1	265.6	11.78	81			568	
GWP-20	4RX	20000	213.1	243.7	10.21	48	3.0×2	70	584	2350×1350×1500
	6RX		274.5	296.4	13.16	84			610	
GWP-24	4RX	24000	254.6	286.3	12.18	51	5.5×2	72	636	2500×1450×1550
	6RX		327.5	349.2	15.66	87			665	
GWP-30	4RX	30000	321.3	375.4	15.42	54	5.5×2	72	709	2580×1450×1550
	6RX		415.4	443.5	19.88	86			740	
GWP-35	4RX	35000	370.5	418.6	17.72	47	7.5×2	75	761	2850×1450×1650
	6RX		479.2	512.2	22.91	95			792	
GWP-40	4RX	40000	423.2	471.2	20.25	56	18.5	78	990	2900×1750×1750
	6RX		550.6	576.8	26.35	97			1105	

Remark:

© The value is the tested value in 《Cabinet type fan coil unit》 <JB/T 9066-1999> standard.

© Rated Cooling capacity test working condition is: Inlet air DB temperature 35℃, WB temperature 28℃。Water inlet temperature 7℃, water temperature difference 5℃;

© Rated Heating capacity test working condition is: Inlet air DB temperature 7℃, Inlet water temperature 60℃。

© If the real working condition is different with the above working condition, the user should select according to the project.

1.2 Variable Performance Table

1.2.1 Return Air Working Condition

Cooling Variable Performance Table

Inlet Air Temp.(°C)		DB 24°C / WB 17°C						DB 25°C / WB 18°C					
Inlet Water Temp.(°C)		5.0	6.0	7.0	8.0	9.0	10.0	5.0	6.0	7.0	8.0	9.0	10.0
Model		Cooling Capacity KW											
02	4R	10.1	9.0	8.5	8.2	7.0	5.4	11.6	10.4	9.5	9.0	8.4	5.9
	6R	11.4	10.1	9.6	9.2	7.9	6.1	13.1	11.7	10.8	10.1	9.5	6.6
03	4R	15.0	13.3	12.6	12.1	10.4	8.0	17.2	15.3	14.1	13.3	12.4	8.7
	6R	18.5	16.4	15.5	14.9	12.8	9.9	21.2	18.9	17.4	16.4	15.3	10.7
04	4R	20.2	17.9	17.0	16.3	14.0	10.8	23.2	20.7	19.1	17.9	16.8	11.7
	6R	25.5	22.6	21.5	20.6	17.7	13.6	29.3	26.1	24.1	22.6	21.2	14.8
05	4R	25.5	22.6	21.5	20.6	17.7	13.6	29.3	26.1	24.1	22.6	21.2	14.8
	6R	31.7	28.1	26.6	25.6	22.0	16.9	36.4	32.4	29.9	28.1	26.3	18.4
06	4R	29.9	26.5	25.2	24.1	20.7	16.0	34.3	30.6	28.2	26.5	24.8	17.3
	6R	36.1	32.0	30.3	29.1	25.0	19.3	41.4	36.9	34.0	32.0	29.9	20.9
08	4R	42.2	37.4	35.5	34.1	29.3	22.6	48.5	43.2	39.8	37.4	35.0	24.5
	6R	51.9	46.0	43.7	41.9	36.0	27.7	59.6	53.1	49.0	46.0	43.1	30.1
10	4R	51.0	45.2	42.9	41.2	35.4	27.3	58.6	52.2	48.1	45.2	42.3	29.6
	6R	65.1	57.7	54.8	52.5	45.1	34.8	74.7	66.6	61.4	57.7	54.0	37.7
12	4R	62.5	55.4	52.5	50.4	43.3	33.4	71.7	63.9	58.9	55.4	51.8	36.2
	6R	77.4	68.6	65.1	62.5	53.7	41.4	88.9	79.2	73.0	68.6	64.2	44.9
15	4R	76.6	67.9	64.4	61.8	53.1	40.9	87.9	78.3	72.2	67.9	63.5	44.4
	6R	95.0	84.2	79.9	76.7	65.9	50.8	109.1	97.2	89.6	84.2	78.8	55.1
18	4R	93.3	82.7	78.4	75.3	64.7	49.8	107.1	95.4	88.0	82.7	77.4	54.1
	6R	118.8	105.3	99.9	95.9	82.4	63.5	136.4	121.5	112.1	105.3	98.6	68.9
20	4R	103.8	92.0	87.3	83.8	72.0	55.5	119.2	106.2	97.9	92.0	86.1	60.2
	6R	132.0	117.0	111.0	106.5	91.5	70.5	151.5	135.0	124.5	117.0	109.5	76.5
24	4R	117.9	104.5	99.2	95.1	81.7	63.0	135.3	120.6	111.2	104.5	97.8	68.3
	6R	160.2	142.0	134.7	129.2	111.0	85.5	183.8	163.8	151.1	142.0	132.9	92.8
30	4R	149.6	132.6	125.8	120.7	103.7	79.9	171.7	153.0	141.1	132.6	124.1	86.7
	6R	198.0	175.5	166.5	159.8	137.3	105.8	227.3	202.5	186.8	175.5	164.3	114.8
35	4R	174.2	154.4	146.5	140.6	120.8	93.1	200.0	178.2	164.3	154.4	144.5	101.0
	6R	233.2	206.7	196.1	188.2	161.7	124.6	267.7	238.5	220.0	206.7	193.5	135.2
40	4R	198.9	176.3	167.2	160.5	137.9	106.2	228.3	203.4	187.6	176.3	165.0	115.3
	6R	265.8	235.6	223.5	214.4	184.2	141.9	305.0	271.8	250.7	235.6	220.5	154.0

Inlet Air Temp.(°C)		DB 27°C / WB 19.5°C						DB 28°C / WB 21°C					
Inlet Water Temp.(°C)		5.0	6.0	7.0	8.0	9.0	10.0	5.0	6.0	7.0	8.0	9.0	10.0
Model		Cooling Capacity KW											

02	4R	13.9	12.8	11.5	10.2	9.0	7.8	16.3	15.2	13.9	12.7	11.3	10.0
	6R	15.7	14.4	13.0	11.6	10.1	8.8	18.5	17.2	15.7	14.3	12.7	11.3
03	4R	20.6	18.9	17.0	15.1	13.3	11.6	24.1	22.4	20.6	18.7	16.7	14.8
	6R	25.4	23.3	21.0	18.7	16.4	14.3	29.8	27.7	25.4	23.1	20.6	18.3
04	4R	27.8	25.5	23.0	20.5	17.9	15.6	32.7	30.4	27.8	25.3	22.5	20.0
	6R	35.1	32.2	29.0	25.8	22.6	19.7	41.2	38.3	35.1	31.9	28.4	25.2
05	4R	35.1	32.2	29.0	25.8	22.6	19.7	41.2	38.3	35.1	31.9	28.4	25.2
	6R	43.6	40.0	36.0	32.0	28.1	24.5	51.1	47.5	43.6	39.6	35.3	31.3
06	4R	41.1	37.7	34.0	30.3	26.5	23.1	48.3	44.9	41.1	37.4	33.3	29.6
	6R	49.6	45.5	41.0	36.5	32.0	27.9	58.2	54.1	49.6	45.1	40.2	35.7
08	4R	58.1	53.3	48.0	42.7	37.4	32.6	68.2	63.4	58.1	52.8	47.0	41.8
	6R	71.4	65.5	59.0	52.5	46.0	40.1	83.8	77.9	71.4	64.9	57.8	51.3
10	4R	70.2	64.4	58.0	51.6	45.2	39.4	82.4	76.6	70.2	63.8	56.8	50.5
	6R	89.5	82.1	74.0	65.9	57.7	50.3	105.1	97.7	89.5	81.4	72.5	64.4
12	4R	85.9	78.8	71.0	63.2	55.4	48.3	100.8	93.7	85.9	78.1	69.6	61.8
	6R	106.5	97.7	88.0	78.3	68.6	59.8	125.0	116.2	106.5	96.8	86.2	76.6
15	4R	105.3	96.6	87.0	77.4	67.9	59.2	123.5	114.8	105.3	95.7	85.3	75.7
	6R	130.7	119.9	108.0	96.1	84.2	73.4	153.4	142.6	130.7	118.8	105.8	94.0
18	4R	128.3	117.7	106.0	94.3	82.7	72.1	150.5	139.9	128.3	116.6	103.9	92.2
	6R	163.4	149.9	135.0	120.2	105.3	91.8	191.7	178.2	163.4	148.5	132.3	117.5
20	4R	142.8	131.0	118.0	105.0	92.0	80.2	167.6	155.8	142.8	129.8	115.6	102.7
	6R	181.5	166.5	150.0	133.5	117.0	102.0	213.0	198.0	181.5	165.0	147.0	130.5
24	4R	162.1	148.7	134.0	119.3	104.5	91.1	190.3	176.9	162.1	147.4	131.3	116.6
	6R	220.2	202.0	182.0	162.0	142.0	123.8	258.4	240.2	220.2	200.2	178.4	158.3
30	4R	205.7	188.7	170.0	151.3	132.6	115.6	241.4	224.4	205.7	187.0	166.6	147.9
	6R	272.3	249.8	225.0	200.3	175.5	153.0	319.5	297.0	272.3	247.5	220.5	195.8
35	4R	239.6	219.8	198.0	176.2	154.4	134.6	281.2	261.4	239.6	217.8	194.0	172.3
	6R	320.7	294.2	265.0	235.9	206.7	180.2	376.3	349.8	320.7	291.5	259.7	230.6
40	4R	273.5	250.9	226.0	201.1	176.3	153.7	320.9	298.3	273.5	248.6	221.5	196.6
	6R	365.4	335.2	302.0	268.8	235.6	205.4	428.8	398.6	365.4	332.2	296.0	262.7

Inlet Air Temp.(°C)		DB 29°C / WB 23°C						DB 30°C / WB 26°C					
Inlet Water Temp.(°C)		5.0	6.0	7.0	8.0	9.0	10.0	5.0	6.0	7.0	8.0	9.0	10.0
Model		Cooling Capacity KW											
02	4R	18.2	16.9	15.6	14.3	13.0	11.6	20.0	18.7	17.4	16.1	14.7	13.3
	6R	20.5	19.1	17.7	16.1	14.7	13.1	22.6	21.2	19.6	18.2	16.6	15.1
03	4R	26.9	25.0	23.1	21.1	19.2	17.2	29.6	27.7	25.7	23.8	21.8	19.7
	6R	33.2	30.9	28.6	26.0	23.7	21.2	36.5	34.2	31.7	29.4	26.9	24.4
04	4R	36.3	33.8	31.3	28.5	26.0	23.2	40.0	37.5	34.7	32.2	29.4	26.7
	6R	45.8	42.6	39.4	36.0	32.8	29.3	50.5	47.3	43.8	40.6	37.1	33.6
05	4R	45.8	42.6	39.4	36.0	32.8	29.3	50.5	47.3	43.8	40.6	37.1	33.6

	6R	56.9	52.9	49.0	44.6	40.7	36.4	62.6	58.7	54.4	50.4	46.1	41.8
06	4R	53.7	50.0	46.2	42.2	38.4	34.3	59.2	55.4	51.3	47.6	43.5	39.4
	6R	64.8	60.3	55.8	50.8	46.3	41.4	71.3	66.8	61.9	57.4	52.5	47.6
08	4R	75.8	70.6	65.3	59.5	54.2	48.5	83.5	78.2	72.5	67.2	61.4	55.7
	6R	93.2	86.7	80.2	73.2	66.7	59.6	102.7	96.2	89.1	82.6	75.5	68.4
10	4R	91.6	85.3	78.9	71.9	65.5	58.6	100.9	94.5	87.6	81.2	74.2	67.3
	6R	116.9	108.8	100.6	91.8	83.6	74.7	128.8	120.6	111.7	103.6	94.7	85.8
12	4R	112.2	104.4	96.6	88.0	80.2	71.7	123.5	115.7	107.2	99.4	90.9	82.4
	6R	139.0	129.4	119.7	109.1	99.4	88.9	153.1	143.4	132.9	123.2	112.6	102.1
15	4R	137.5	127.9	118.3	107.9	98.3	87.9	151.4	141.8	131.4	121.8	111.4	100.9
	6R	170.6	158.8	146.9	133.9	122.0	109.1	187.9	176.0	163.1	151.2	138.2	125.3
18	4R	167.5	155.8	144.2	131.4	119.8	107.1	184.4	172.8	160.1	148.4	135.7	123.0
	6R	213.3	198.5	183.6	167.4	152.6	136.4	234.9	220.1	203.9	189.0	172.8	156.6
20	4R	186.4	173.5	160.5	146.3	133.3	119.2	205.3	192.3	178.2	165.2	151.0	136.9
	6R	237.0	220.5	204.0	186.0	169.5	151.5	261.0	244.5	226.5	210.0	192.0	174.0
24	4R	211.7	197.0	182.2	166.2	151.4	135.3	233.2	218.4	202.3	187.6	171.5	155.4
	6R	287.6	267.5	247.5	225.7	205.7	183.8	316.7	296.7	274.8	254.8	233.0	211.1
30	4R	268.6	249.9	231.2	210.8	192.1	171.7	295.8	277.1	256.7	238.0	217.6	197.2
	6R	355.5	330.8	306.0	279.0	254.3	227.3	391.5	366.8	339.8	315.0	288.0	261.0
35	4R	312.8	291.1	269.3	245.5	223.7	200.0	344.5	322.7	299.0	277.2	253.4	229.7
	6R	418.7	389.6	360.4	328.6	299.5	267.7	461.1	432.0	400.2	371.0	339.2	307.4
40	4R	357.1	332.2	307.4	280.2	255.4	228.3	393.2	368.4	341.3	316.4	289.3	262.2
	6R	477.2	443.9	410.7	374.5	341.3	305.0	525.5	492.3	456.0	422.8	386.6	350.3

1.2.2 Fresh Air Working Condition

Cooling Variable Performance Table

Inlet Air Temp.(°C)		DB 31°C / WB 25°C						DB 32°C / WB 26°C					
Inlet Water Temp.(°C)		5	6	7	8	9	10	5	6	7	8	9	10
Model		Cooling Capacity KW											
02	4RX	19.26	18.14	17.02	15.9	14.78	13.66	21.06	19.94	18.82	17.7	16.58	15.46
	6RX	25.89	24.38	22.88	21.37	19.87	18.36	28.29	26.79	25.28	23.78	22.27	20.77
03	4RX	28.47	26.81	25.16	23.5	21.85	20.19	31.11	29.46	27.8	26.15	24.49	22.84
	6RX	38.27	36.05	33.82	31.6	29.37	27.15	41.83	39.61	37.38	35.16	32.93	30.71
04	4RX	36.64	34.51	32.38	30.25	28.12	25.99	40.04	37.91	35.78	33.65	31.52	29.39
	6RX	51.26	48.28	45.3	42.32	39.34	36.36	56.02	53.04	50.06	47.08	44.1	41.12
05	4RX	46.7	43.98	41.27	38.55	35.84	33.12	51.04	48.33	45.61	42.9	40.18	37.47
	6RX	63.73	60.02	56.32	52.61	48.91	45.2	69.65	65.95	62.24	58.54	54.83	51.13
06	4RX	53.75	50.63	47.5	44.38	41.25	38.13	58.75	55.63	52.5	49.38	46.25	43.13
	6RX	72.67	68.45	64.22	60	55.77	51.55	79.43	75.21	70.98	66.76	62.53	58.31
08	4RX	70.95	66.83	62.7	58.58	54.45	50.33	77.55	73.43	69.3	65.18	61.05	56.93
	6RX	98.9	93.15	87.4	81.65	75.9	70.15	108.1	102.4	96.6	90.85	85.1	79.35

10	4RX	90.47	85.21	79.95	74.69	69.43	64.17	98.89	93.63	88.37	83.11	77.85	72.59
	6RX	123.4	116.2	109.1	101.9	94.71	87.54	134.9	127.7	120.5	113.4	106.2	99.02
12	4RX	111.1	104.7	98.19	91.73	85.27	78.81	121.4	115	108.5	102.1	95.61	89.15
	6RX	152.3	143.5	134.6	125.7	116.9	108	166.5	157.6	148.8	139.9	131.1	122.2
15	4RX	138.7	130.7	122.6	114.5	106.5	98.39	151.6	143.6	135.5	127.4	119.4	111.3
	6RX	193.1	181.8	170.6	159.4	148.2	136.9	211	199.8	188.6	177.4	166.1	154.9
18	4RX	164.4	154.9	145.3	135.8	126.2	116.6	179.7	170.2	160.6	151	141.5	131.9
	6RX	211.6	199.3	187	174.7	162.4	150.1	231.3	219	206.7	194.4	182.1	169.8
20	4RX	183.3	172.6	162	151.3	140.6	130	200.3	189.7	179	168.3	157.7	147
	6RX	236.1	222.3	208.6	194.9	181.2	167.4	258	244.3	230.6	216.9	203.1	189.4
24	4RX	219	206.2	193.5	180.8	168	155.3	239.3	226.6	213.9	201.1	188.4	175.7
	6RX	281.7	265.3	248.9	232.5	216.2	199.8	307.9	291.5	275.1	258.7	242.4	226
30	4RX	276.3	260.3	244.2	228.1	212.1	196	302	286	269.9	253.8	237.8	221.7
	6RX	357.2	336.5	315.7	294.9	274.2	253.4	390.5	369.7	348.9	328.2	307.4	286.6
35	4RX	318.6	300.1	281.6	263.1	244.5	226	348.3	329.7	311.2	292.7	274.2	255.6
	6RX	412.1	388.2	364.2	340.2	316.3	292.3	450.4	426.5	402.5	378.6	354.6	330.6
40	4RX	364	342.8	321.6	300.5	279.3	258.2	397.8	376.6	355.5	334.3	313.2	292
	6RX	473.5	446	418.5	390.9	363.4	335.9	517.6	490	462.5	435	407.4	379.9

Inlet Air Temp.(°C)		DB 33°C / WB 27°C						DB 35°C / WB 28°C					
Inlet Water Temp.(°C)		5	6	7	8	9	10	5	6	7	8	9	10
Model		Cooling Capacity KW											
02	4RX	22.85	21.73	20.61	19.49	18.14	17.02	24.64	23.52	22.4	21.28	20.16	18.82
	6RX	30.7	29.2	27.69	26.19	24.38	22.88	33.11	31.61	30.1	28.6	27.09	25.28
03	4RX	33.76	32.11	30.45	28.8	26.81	25.16	36.41	34.76	33.1	31.45	29.79	27.8
	6RX	45.39	43.17	40.94	38.72	36.05	33.82	48.95	46.73	44.5	42.28	40.05	37.38
04	4RX	43.45	41.32	39.19	37.06	34.51	32.38	46.86	44.73	42.6	40.47	38.34	35.78
	6RX	60.79	57.81	54.83	51.85	48.28	45.3	65.56	62.58	59.6	56.62	53.64	50.06
05	4RX	55.39	52.67	49.96	47.24	43.98	41.27	59.73	57.02	54.3	51.59	48.87	45.61
	6RX	75.58	71.88	68.17	64.47	60.02	56.32	81.51	77.81	74.1	70.4	66.69	62.24
06	4RX	63.75	60.63	57.5	54.38	50.63	47.5	68.75	65.63	62.5	59.38	56.25	52.5
	6RX	86.19	81.97	77.74	73.52	68.45	64.22	92.95	88.73	84.5	80.28	76.05	70.98
08	4RX	84.15	80.03	75.9	71.78	66.83	62.7	90.75	86.63	82.5	78.38	74.25	69.3
	6RX	117.3	111.6	105.8	100.1	93.15	87.4	126.5	120.8	115	109.3	103.5	96.6
10	4RX	107.3	102	96.78	91.52	85.21	79.95	115.7	110.5	105.2	99.94	94.68	88.37
	6RX	146.4	139.2	132	124.8	116.2	109.1	157.9	150.7	143.5	136.3	129.2	120.5
12	4RX	131.8	125.3	118.9	112.4	104.7	98.19	142.1	135.7	129.2	122.7	116.3	108.5
	6RX	180.6	171.8	162.9	154.1	143.5	134.6	194.8	186	177.1	168.2	159.4	148.8
15	4RX	164.5	156.5	148.4	140.3	130.7	122.6	177.4	169.4	161.3	153.2	145.2	135.5
	6RX	229	217.8	206.5	195.3	181.8	170.6	247	235.7	224.5	213.3	202.1	188.6
18	4RX	195	185.5	175.9	166.3	154.9	145.3	210.3	200.8	191.2	181.6	172.1	160.6

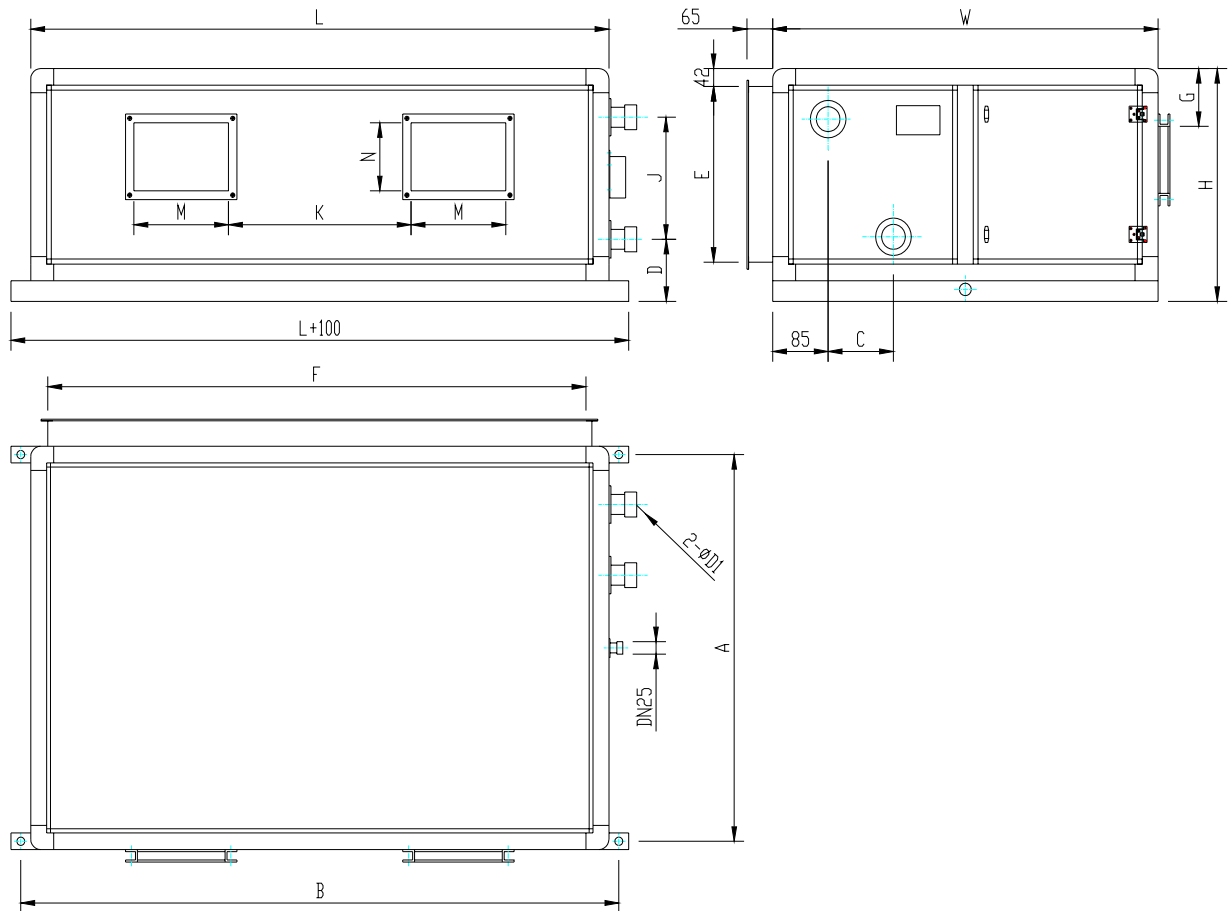
	6RX	251	238.7	226.4	214.1	199.3	187	270.7	258.4	246.1	233.8	221.5	206.7
20	4RX	217.4	206.7	196.1	185.4	172.6	162	234.4	223.8	213.1	202.4	191.8	179
	6RX	280	266.3	252.5	238.8	222.3	208.6	302	288.2	274.5	260.8	247.1	230.6
24	4RX	259.7	247	234.2	221.5	206.2	193.5	280.1	267.3	254.6	241.9	229.1	213.9
	6RX	334.1	317.7	301.3	284.9	265.3	248.9	360.3	343.9	327.5	311.1	294.8	275.1
30	4RX	327.7	311.7	295.6	279.5	260.3	244.2	353.4	337.4	321.3	305.2	289.2	269.9
	6RX	423.7	402.9	382.2	361.4	336.5	315.7	456.9	436.2	415.4	394.6	373.9	348.9
35	4RX	377.9	359.4	340.9	322.3	300.1	281.6	407.6	389	370.5	352	333.5	311.2
	6RX	488.8	464.8	440.9	416.9	388.2	364.2	527.1	503.2	479.2	455.2	431.3	402.5
40	4RX	431.7	410.5	389.3	368.2	342.8	321.6	465.5	444.4	423.2	402	380.9	355.5
	6RX	561.6	534.1	506.6	479	446	418.5	605.7	578.1	550.6	523.1	495.5	462.5

Inlet Air Temp.(°C)		DB 36°C / WB 29°C						DB 38°C / WB 31°C					
Inlet Water Temp.(°C)		5	6	7	8	9	10	5	6	7	8	9	10
Model		Cooling Capacity KW											
02	4RX	26.7	25.5	24.4	23.1	22.0	20.8	30.9	29.6	28.4	27.3	26.0	24.9
	6RX	35.8	34.3	32.8	31.0	29.5	28.0	41.5	39.7	38.2	36.7	34.9	33.4
03	4RX	39.4	37.7	36.1	34.1	32.4	30.8	45.7	43.7	42.0	40.4	38.4	36.7
	6RX	53.0	50.7	48.5	45.8	43.6	41.4	61.4	58.7	56.5	54.3	51.6	49.4
04	4RX	50.7	48.6	46.4	43.9	41.7	39.6	58.8	56.2	54.1	52.0	49.4	47.3
	6RX	70.9	67.9	65.0	61.4	58.4	55.4	82.2	78.7	75.7	72.7	69.1	66.2
05	4RX	64.6	61.9	59.2	55.9	53.2	50.5	74.9	71.7	69.0	66.2	63.0	60.3
	6RX	88.2	84.5	80.8	76.3	72.6	68.9	102.3	97.8	94.1	90.4	86.0	82.3
06	4RX	74.4	71.3	68.1	64.4	61.3	58.1	86.3	82.5	79.4	76.3	72.5	69.4
	6RX	100.6	96.3	92.1	87.0	82.8	78.6	116.6	111.5	107.3	103.1	98.0	93.8
08	4RX	98.2	94.1	89.9	85.0	80.9	76.7	113.9	108.9	104.8	100.7	95.7	91.6
	6RX	136.9	131.1	125.4	118.5	112.7	107.0	158.7	151.8	146.1	140.3	133.4	127.7
10	4RX	125.2	119.9	114.7	108.4	103.1	97.8	145.2	138.9	133.6	128.3	122.0	116.8
	6RX	170.8	163.6	156.4	147.8	140.6	133.5	198.0	189.4	182.2	175.1	166.5	159.3
12	4RX	153.7	147.3	140.8	133.1	126.6	120.2	178.3	170.5	164.1	157.6	149.9	143.4
	6RX	210.7	201.9	193.0	182.4	173.6	164.7	244.4	233.8	224.9	216.1	205.4	196.6
15	4RX	191.9	183.9	175.8	166.1	158.1	150.0	222.6	212.9	204.9	196.8	187.1	179.0
	6RX	267.2	255.9	244.7	231.2	220.0	208.8	309.8	296.3	285.1	273.9	260.4	249.2
18	4RX	227.5	218.0	208.4	196.9	187.4	177.8	263.9	252.4	242.8	233.3	221.8	212.2
	6RX	292.9	280.6	268.2	253.5	241.2	228.9	339.6	324.9	312.5	300.2	285.5	273.2
20	4RX	253.6	242.9	232.3	219.5	208.8	198.2	294.1	281.3	270.6	260.0	247.2	236.5
	6RX	326.7	312.9	299.2	282.7	269.0	255.3	378.8	362.3	348.6	334.9	318.4	304.7

24	4RX	303.0	290.2	277.5	262.2	249.5	236.8	351.3	336.1	323.3	310.6	295.3	282.6
	6RX	389.7	373.4	357.0	337.3	321.0	304.6	452.0	432.3	415.9	399.6	379.9	363.5
30	4RX	382.3	366.3	350.2	330.9	314.9	298.8	443.4	424.1	408.1	392.0	372.7	356.6
	6RX	494.3	473.6	452.8	427.9	407.1	386.3	573.3	548.3	527.6	506.8	481.9	461.1
35	4RX	440.9	422.4	403.8	381.6	363.1	344.6	511.3	489.1	470.5	452.0	429.8	411.3
	6RX	570.2	546.3	522.3	493.6	469.6	445.7	661.3	632.5	608.6	584.6	555.9	531.9
40	4RX	503.6	482.4	461.3	435.9	414.7	393.6	584.0	558.6	537.5	516.3	490.9	469.8
	6RX	655.2	627.7	600.2	567.1	539.6	512.1	759.8	726.8	699.3	671.7	638.7	611.2

1.3 Unit Dimensions

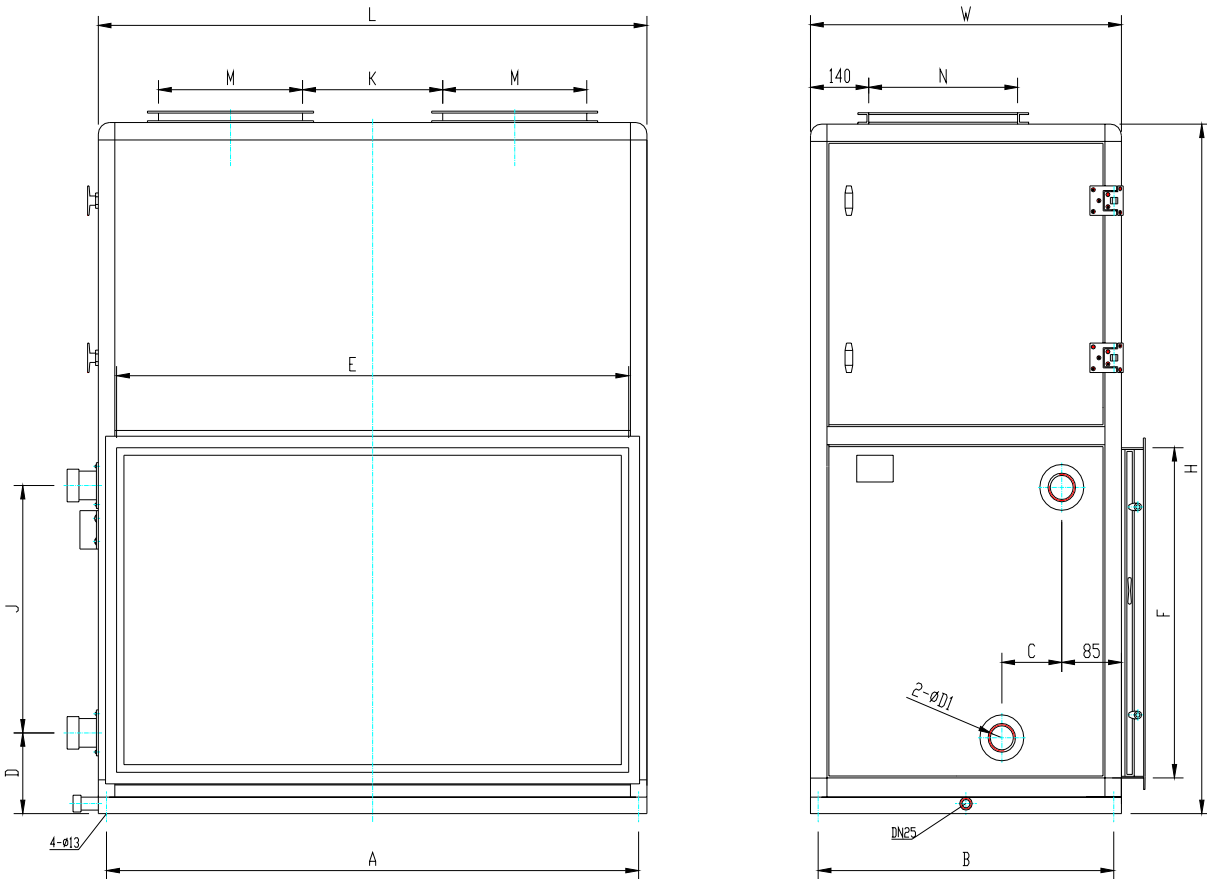
1.3.1 Under Ceiling Unit



Product Type	L	W	H	A	B	C		D	D1	E	F	G	J	K	M	N
						4R	6R									
GDP-02	850	900	550	860	900	66	110	160	48	402	768	100	315	/	250	150
GDP-03	1120	900	550	860	1170	66	110	160	48	402	1038	75	315	/	350	200
GDP-04	1170	950	650	910	1220	66	110	160	48	502	1088	70	415	/	360	240

GDP-05	1400	950	650	910	1450	66	110	166	60	502	1318	205	415	330	310	200
GDP-06	1670	950	650	910	1720	66	110	166	60	502	1588	174	415	400	330	200
GDP-08	1960	950	650	910	2010	66	110	174	75	502	1878	70	415	500	360	240
GDP-10	2110	1150	800	1110	2160	66	110	174	75	652	2028	125	565	610	410	240
GDP-12	2350	1150	800	1110	2400	66	110	181	89	652	2268	125	565	650	410	240
GDP-15	2350	1150	950	1110	2400	66	110	181	89	802	2268	220	715	650	360	300

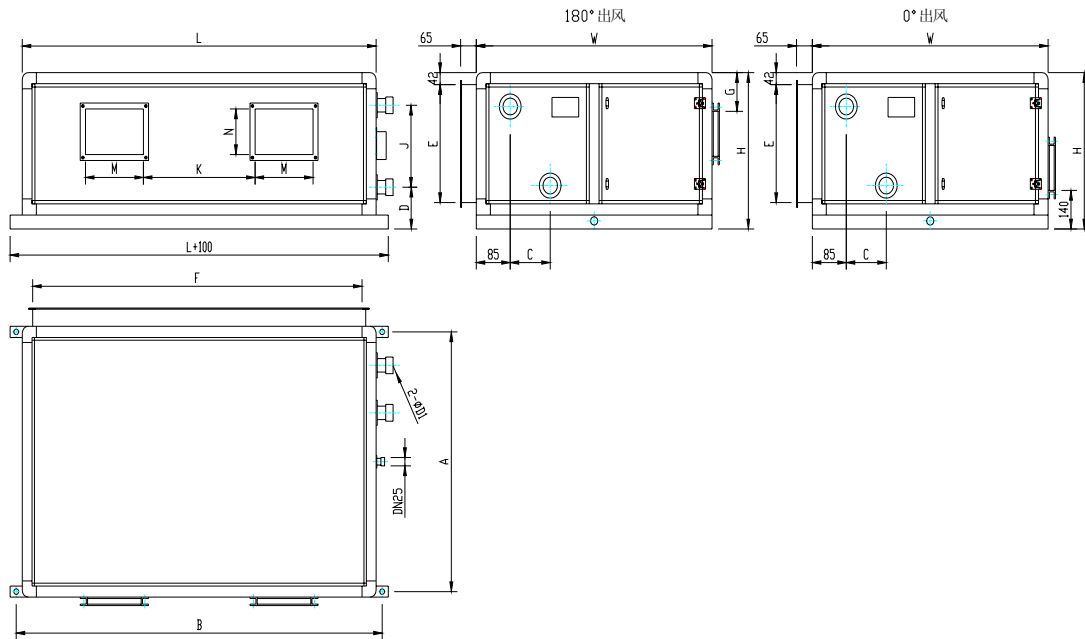
1.3.2 Vertical Unit



Product Type	L	W	H	A	B	C		D	D1	E	F	J	K	M	N
						4R	6R								
GLP-02	850	750	1150	750	700	66	110	160	48	768	402	315	/	250	150
GLP-03	1120	750	1200	1020	700	66	110	160	48	1038	402	315	/	350	200
GLP-04	1170	800	1350	1070	750	66	110	160	48	1088	502	415	/	360	240
GLP-05	1400	800	1400	1300	750	66	110	166	60	1318	502	415	/	410	240
GLP-06	1670	800	1450	1570	750	66	110	166	60	1588	502	415	/	410	240
GLP-08	1960	800	1500	1860	750	66	110	174	75	1878	502	415	/	360	300
GLP-10	2110	950	1580	2010	900	66	110	174	75	2028	652	565	/	450	300
GLP-12	2350	950	1700	2250	900	66	110	181	89	2268	652	565	/	515	350
GLP-15	2350	950	1950	2250	900	66	110	181	89	2268	802	715	/	527	400
GLP-18	2510	1020	1950	2410	970	66	110	181	89	2426	902	815	805	450	300

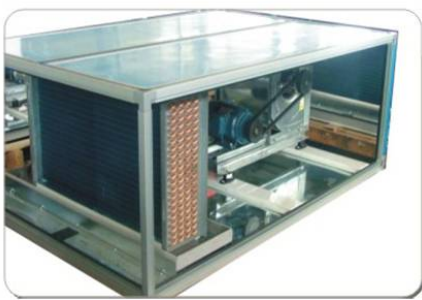
GLP-20	2350	1020	2250	2250	970	66	110	181	89	2266	1102	1015	725	450	300
GLP-24	2500	1020	2250	2400	970	66	110	193	114	2416	1202	1115	735	515	350
GLP-30	2580	1020	2550	2480	970	66	110	193	114	2496	1252	1165	775	515	350
GLP-35	2850	1020	2700	2750	970	66	110	193	114	2766	1352	1265	798	627	400
GLP-40	2900	1200	2900	2800	1150	66	110	193	114	2816	1502	1415	820	630	521

1.3.3 Horizontal Unit



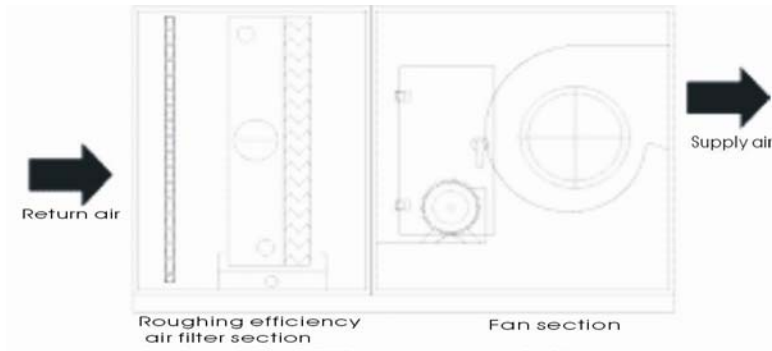
Product Type	L	W	H	A	B	C		D	D1	E	F	G	J	K	M	N
						4R	6R									
GWP-02	850	900	550	860	900	66	110	160	48	768	402	100	315	/	250	150
GWP-03	1120	900	550	860	1170	66	110	160	48	1038	402	75	315	/	350	200
GWP-04	1170	950	650	910	1220	66	110	160	48	1088	502	70	415	/	360	240
GWP-05	1400	1050	800	1010	1450	66	110	166	60	1318	652	138	415	/	410	240
GWP-06	1670	1050	800	1010	1720	66	110	166	60	1588	652	138	415	/	410	240
GWP-08	1960	1050	950	1010	2010	66	110	174	75	1878	802	235	415	/	360	300
GWP-10	2110	1050	950	1010	2160	66	110	174	75	2028	802	235	565	/	450	300
GWP-12	2350	1350	1050	1310	2400	66	110	181	89	2268	902	182	565	/	515	350
GWP-15	2350	1350	1250	1310	2400	66	110	181	89	2268	1102	382	715	/	527	400
GWP-18	2510	1350	1250	1310	2560	66	110	181	89	2426	1102	535	815	805	450	300
GWP-20	2350	1350	1500	1310	2400	66	110	181	89	2266	1352	785	1015	725	450	300
GWP-24	2500	1450	1550	1410	2550	66	110	193	114	2416	1402	652	1115	735	515	350
GWP-30	2580	1450	1550	1410	2630	66	110	193	114	2496	1402	652	1165	775	515	350
GWP-35	2850	1450	1650	1410	2900	66	110	193	114	2766	1502	645	1265	798	627	400
GWP-40	2900	1750	1750	1710	2950	66	110	193	114	2816	1602	630	1415	820	630	521

2. Combined Air Handling Unit

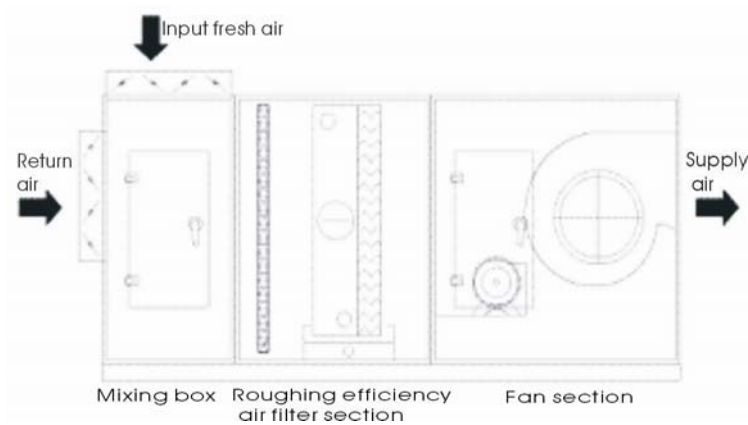


2.1 Typical Combination Type

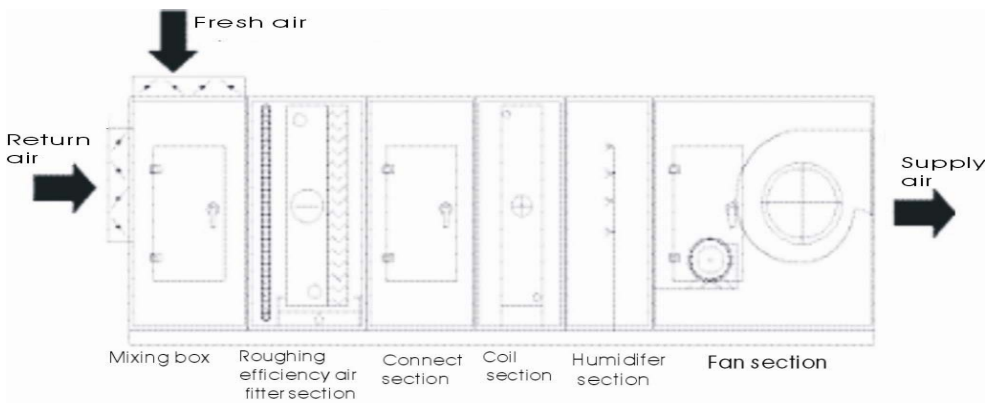
2.1.1 Economical Air Conditioner



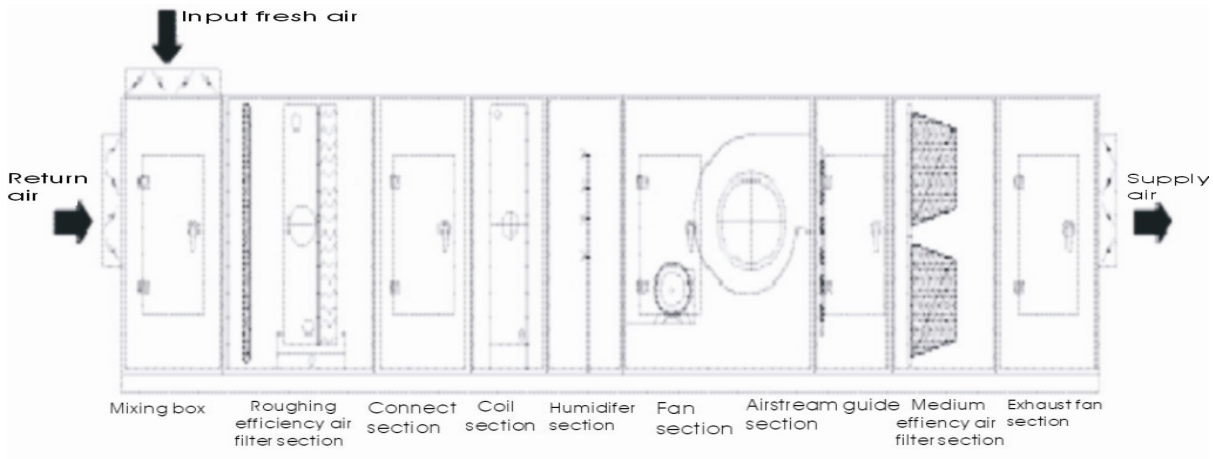
2.1.2 Comfortable Air Conditioner



2.1.3 Craftwork Air Conditioner



2.1.4 Filter Air Conditioner



2.2 Combination Type Air Conditioner Capability Table

Cooling air return work condition: air inlet DB temperature 27°C, WB Temperature 19.5°C, water inlet temperature 7°C, water outlet temperature 12°C

Air Flow Volume m ³ /h	4 rows ΔH=4			6 rows ΔH=5.1			8 rows ΔH=6		
	Cooling Capacity KW	Water Flow Kg/h	Water Resistance kPa	Cooling Capacity KW	Water Flow Kg/h	Water Resistance kPa	Cooling Capacity KW	Water Flow Kg/h	Water Resistance kPa
10000	57	9747	9.7	71	12244	11.2	84	14405	12.6
15000	85	14620	10.7	107	18366	12.4	126	21607	13.9
20000	113	19493	10.7	142	24488	12.4	168	28810	13.9
25000	142	24367	11.9	178	30610	13.8	210	36012	15.5
30000	170	29240	13.5	214	36732	15.7	251	43214	17.6
40000	227	38987	15.9	285	48976	18.5	335	57619	20.7
50000	283	48733	17.1	356	61220	19.8	419	72024	22.2
60000	340	58480	18.6	427	73464	21.5	503	86429	24.1
80000	453	77973	15.9	570	97952	18.5	670	115238	20.7
100000	567	97467	17.1	712	122440	19.8	838	144048	22.2
120000	680	116960	18.6	855	146929	21.5	1006	172857	24.1
140000	793	136453	15.9	997	171417	18.5	1173	201667	20.7
160000	907	155947	17.1	1140	195905	19.8	1341	230476	22.2

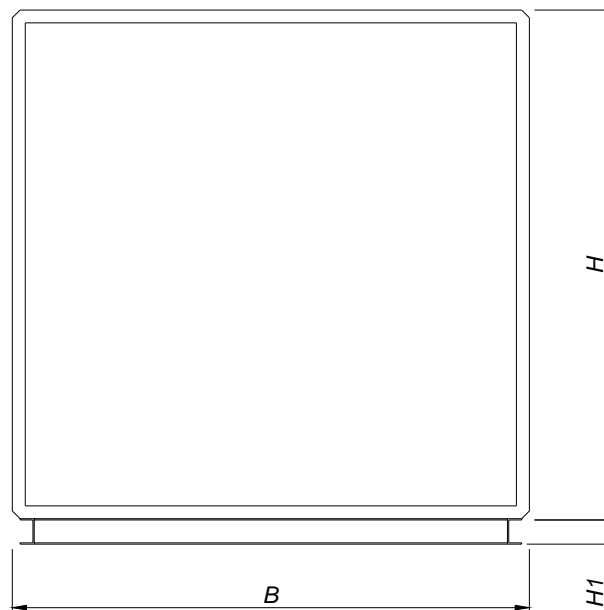
Cooling fresh air work condition: air inlet DB temperature 35°C , WB Temperature 28°C , water inlet temperature 7°C , water outlet temperature 12°C

Air Flow Volume m ³ /h	4 rows ΔH=8.1			6 rows ΔH=10.3			8 rows ΔH=12		
	Cooling Capacity KW	Water Flow Kg/h	Water Resistance kPa	Cooling Capacity KW	Water Flow Kg/h	Water Resistance kPa	Cooling capacity KW	Water Flow Kg/h	Water Resistance kPa
10000	113	19493	13.9	144	24728	17.4	168	28810	18.6
15000	170	29240	15.4	216	37092	19.2	251	43214	20.5
20000	227	38987	15.4	288	49456	19.3	335	57619	20.6
25000	283	48733	17.1	360	61820	21.4	419	72024	22.9
30000	340	58480	19.4	432	74185	24.3	503	86429	26.0
40000	453	77973	21.8	575	98913	27.3	670	115238	29.2
50000	567	97467	21.8	719	123641	27.2	838	144048	29.1
60000	680	116960	21.1	863	148369	26.4	1006	172857	28.2
80000	907	155947	21.8	1151	197825	27.3	1341	230476	29.2
100000	1133	194933	21.8	1439	247282	27.2	1676	288095	29.1
120000	1360	233920	21.1	1726	296738	26.4	2011	345714	28.2
140000	1587	272907	21.8	2014	346194	27.3	2347	403333	29.2
160000	1813	311893	21.8	2158	370923	27.3	2514	432143	29.2

2.3 Dimension of Unit

I .General Size

Product type	H	B	H1
ZK-10	1400	1400	100
ZK-15	1600	1600	100
ZK-20	1800	1800	100
ZK-25	2000	2000	100
ZK-30	2150	2150	100
ZK-40	2450	2450	100
ZK-50	2800	2800	100
ZK-60	3000	3000	100
ZK-80	3350	3350	120
ZK-100	3700	3700	120
ZK-120	3900	3900	120
ZK-140	4250	4250	160
ZK-160	4500	4500	160



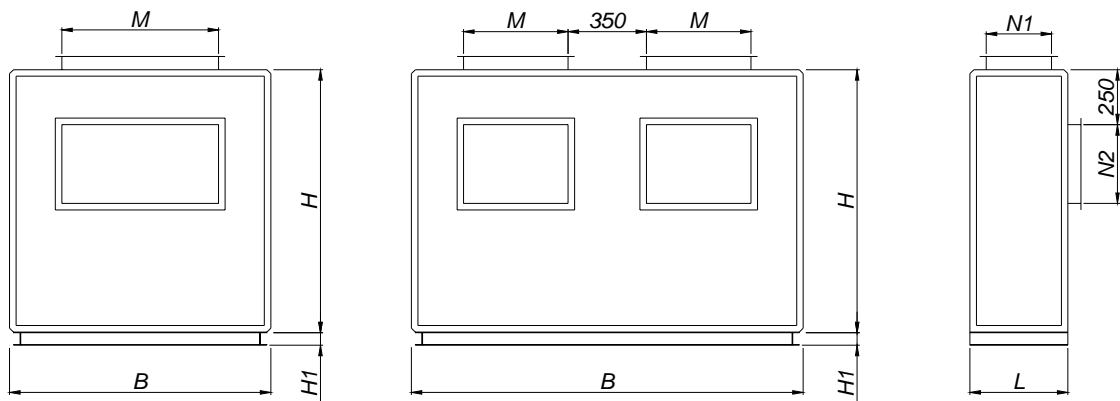
Section Size of Combination Air Conditioner

II .Fresh air mix segment, air outlet segment, air return segment, fresh air segment

Product type	L	M	N1	N2
ZK-10	500	800	320	500
ZK-15	500	1000	320	630
ZK-20	750	1000	500	800
ZK-25	750	1000	500	800
ZK-30	750	1250	500	800
ZK-40	750	800	500	800
ZK-50	750	800	500	800
ZK-60	750	1000	500	800
ZK-80	1000	1000	630	800
ZK-100	1000	1250	630	1000
ZK-120	1000	1250	630	1000
ZK-140	1250	1250	800	1000
ZK-160	1250	1600	800	1000

remark: 1.Air return door is $N2 \times M$,fresh air door $N1 \times M$

2.Horizontal air outlet door $N2 \times M$,up air outlet door $N1 \times M$



ZK-10~ZK-50

ZK-60~ZK-160

III. Air return mix segment, air outlet segment, size drawing of air return segment, filter segment

Product Type	Name of Filter	L	Initial Resistance Pa	Final Resistance Pa	Filter Efficiency	Remark
ZK-10~ZK-160	Roughing Panel Type Filter Section	100	60	145	35%	Not Include Connect Section
ZK-10~ZK-160	Roughing/Medium Bag Type Air Filter Section	740	120	245	85%	Including Connect Section
ZK-10~ZK-160	Sub High Bag Type Filter Section	740	140	250	95%	Including Connect Section
ZK-10~ZK-160	High V Type Filter Section	740	250	490	99.97%	Including Connect Section

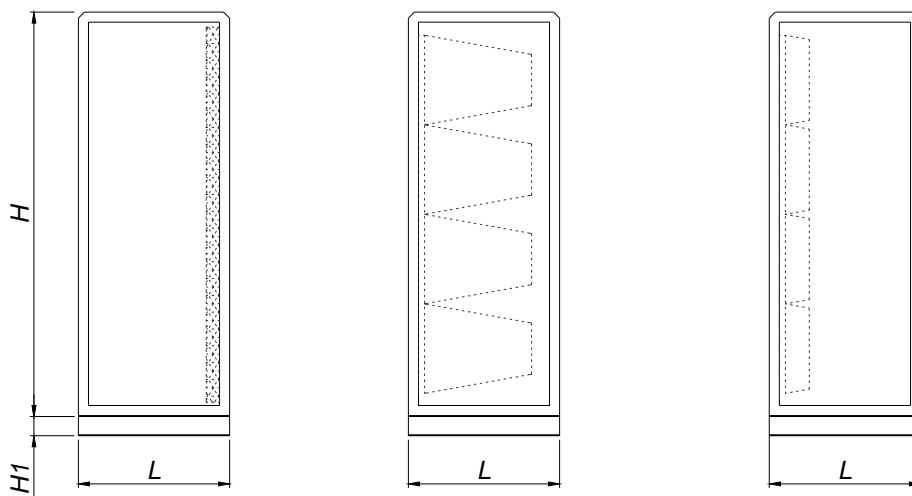


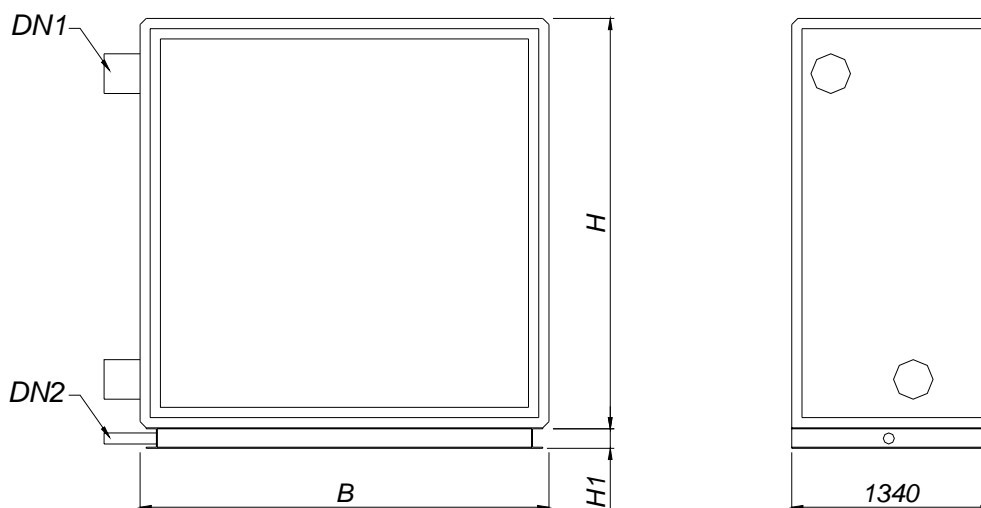
Plate original filter segment (plate no spin cloth)
 Original filter/mid dle filter /sub high efficient bag filter segment
 High efficient V type filter segment

IV. Cooling Coil

Product type	4 Rows		6 Rows		8 Rows	
	DN1	DN2	DN1	DN2	DN1	DN2
ZK-10	50	25	65	32	65	25
ZK-15	50	32	65	32	65	32
ZK-20	65	32	65	32	65	32
ZK-25	65	32	65	32	65	32
ZK-30	65	40	80	40	80	40
ZK-40	65	40	80	40	80	40
ZK-50	80	40	80	40	100	40
ZK-60	80	40	100	40	100	40
ZK-80	100	40	100	40	100	40
ZK-100	100	40	100	40	100	40
ZK-120	100	40	100	40	125	40
ZK-140	100	50	100	50	125	50
ZK-160	125	50	125	50	125	50

remark:

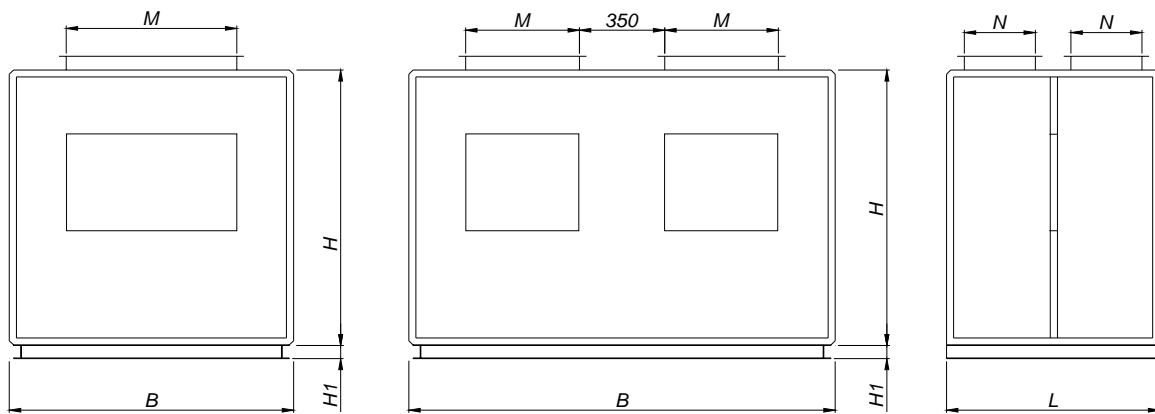
- 1) each set ZK-10~ZK-40 has one coil, and one water inlet pipe and one water outlet pipe.
- 2) ZK-50~ZK-100 has 2 coil, and two water inlet pipe and two water outlet pipe;
- 3) ZK-120~ZK-160 has 3 coil, and three water inlet pipe and three water outlet pipe
- 4) When the coil face wind velocity less then 2.5m/s,must install block water segment.



Size of Cooling Coil

V. Fresh and Return Air Discharge Segment

Product type	L	M	N
ZK-10	1200	800	320
ZK-15	1200	1000	320
ZK-20	1500	1000	500
ZK-25	1500	1000	500
ZK-30	1500	1250	500
ZK-40	1500	800	500
ZK-50	1500	800	500
ZK-60	1500	1000	500
ZK-80	2000	1000	630
ZK-100	2000	1250	630
ZK-120	2000	1250	630
ZK-140	2500	1250	800
ZK-160	2500	1600	800



ZK-10~ZK-50

ZK-60~ZK-160

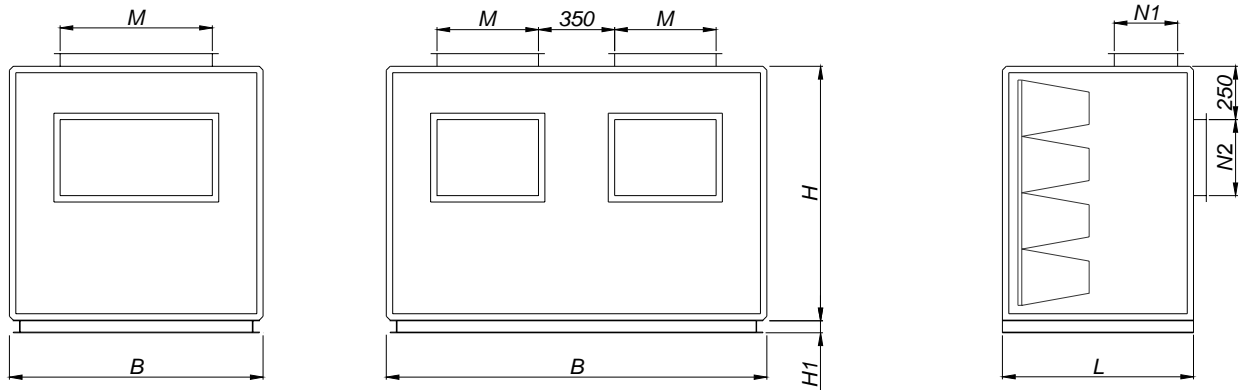
Size of Fresh and Return Air Discharge Segment

VI. Middle Filter Air Outlet Segment

Product type	L	M	N1	N2
ZK-10	1000	800	320	500
ZK-15	1000	1000	320	630
ZK-20	1250	1000	500	800
ZK-25	1250	1000	500	800
ZK-30	1250	1250	500	800
ZK-40	1250	800	500	630
ZK-50	1250	800	500	800
ZK-60	1250	1000	500	800
ZK-80	1500	1000	630	800
ZK-100	1500	1250	630	1000
ZK-120	1500	1250	630	1000
ZK-140	1750	1250	800	1000
ZK-160	1750	1600	800	1000

Remark: 1. Air outlet N1×M.

2. Horizontal air outlet and up air outlet has the same size.(chosed one of them)Filter standard component is middle efficient no spin cloth bag filter.



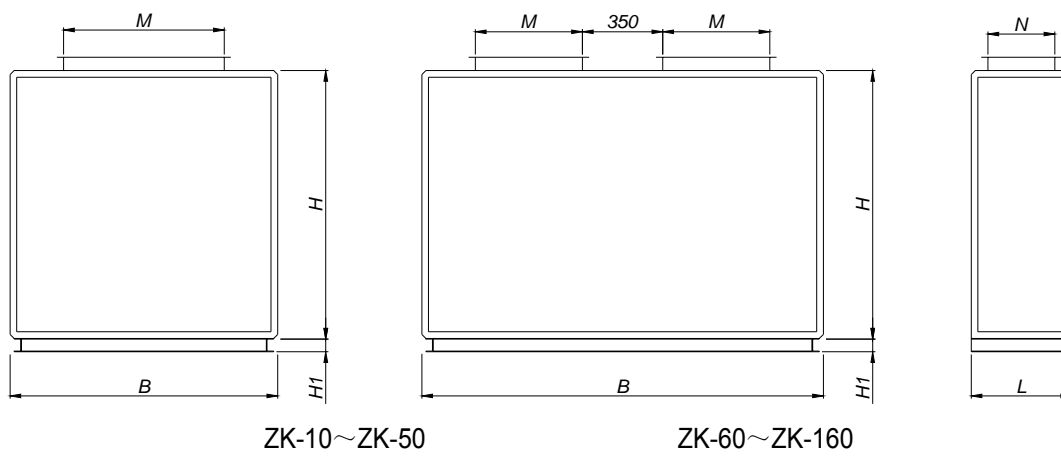
ZK-10~ZK-50

ZK-60~ZK-160

Size of Middle Efficient Air Outlet

VII. Twice Air Return Segment

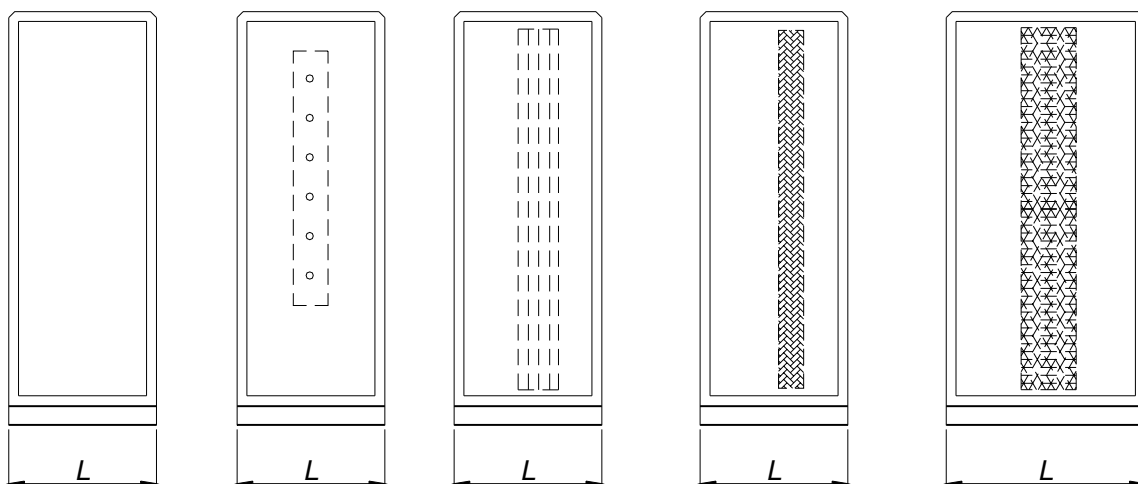
Product type	L	M	N
ZK-10	500	800	320
ZK-15	500	1000	320
ZK-20	500	1000	320
ZK-25	500	1000	320
ZK-30	500	1250	320
ZK-40	750	800	500
ZK-50	750	800	500
ZK-60	750	1000	500
ZK-80	750	1000	500
ZK-100	750	1250	500
ZK-120	750	1250	500
ZK-140	750	1250	500
ZK-160	750	1600	500



Size of Twice Air Return Segment

VIII. Middle segment, block water segment, damp film block water segment, noise elimination segment, electrical heat segment

Apellation of Segment	Product Type	L	Instruction
Middle segment	ZK-10~ZK-160	600	Airflow amortize ,maintain
block water segment	ZK-10~ZK-160	0	Pucker piece of galvanized armor plate
damp film block water segment	ZK-10~ZK-160	0	Anti bacterium and mildew damp film board
noise elimination segment	ZK-10~ZK-40	1000	Piece type muffler, noise elimination quantity 17dB
	ZK-50~ZK-160	1200	
electrical heat segment	ZK-10~ZK-160	0	Peristyle electrical heater



Middle segment, electrical heater, block water segment, damp film block water segment noise elimination segment

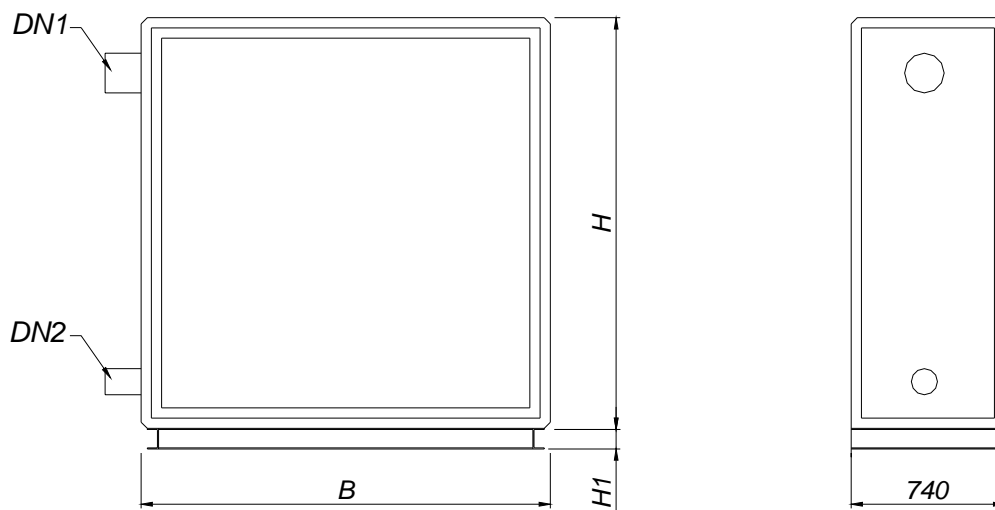
Size of Middle Segment, Block Water Segment, Damp Film Block Water Segment,
Noise Elimination Segment, Electrical Heater

IX. Steam Heater Segment (2 rows)

Product Type	DN1 mm	DN2 mm	Heat Exchange Surface m ²	Thermal Transmittance W/m ² .K
ZK-10	50	40	35	30
ZK-15	50	40	52.5	30
ZK-20	65	50	70	30
ZK-25	80	50	87.5	30
ZK-30	80	50	105	30
ZK-40	80	50	140	30
ZK-50	80	50	175	30
ZK-60	80	50	210	30
ZK-80	80	50	280	30
ZK-100	80	50	350	30
ZK-120	80	50	420	30
ZK-140	80	50	490	30
ZK-160	80	50	560	30

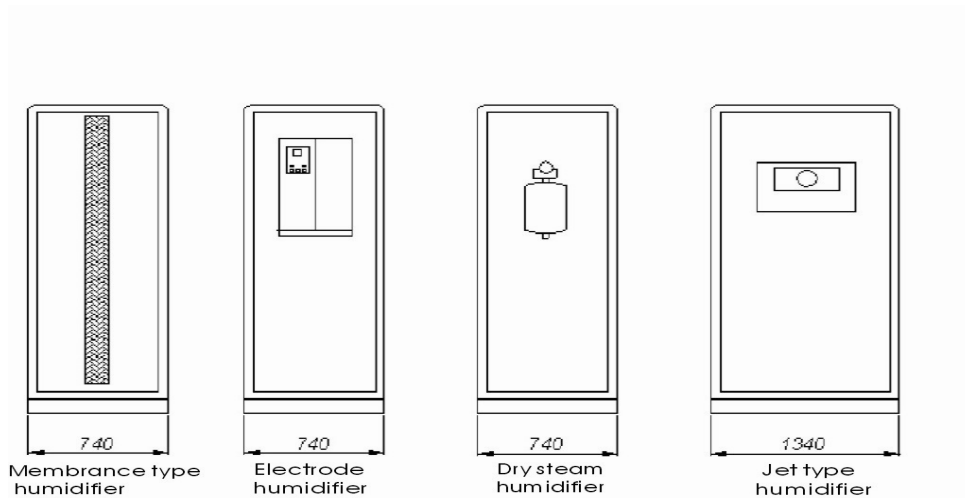
Remark: 1.ZK-10~ZK-60 has 1 coil, and one water inlet and two water outlet pipe.

2. ZK-80~ZK-160 has 2 coil, and two water inlet and two water outlet pipe.



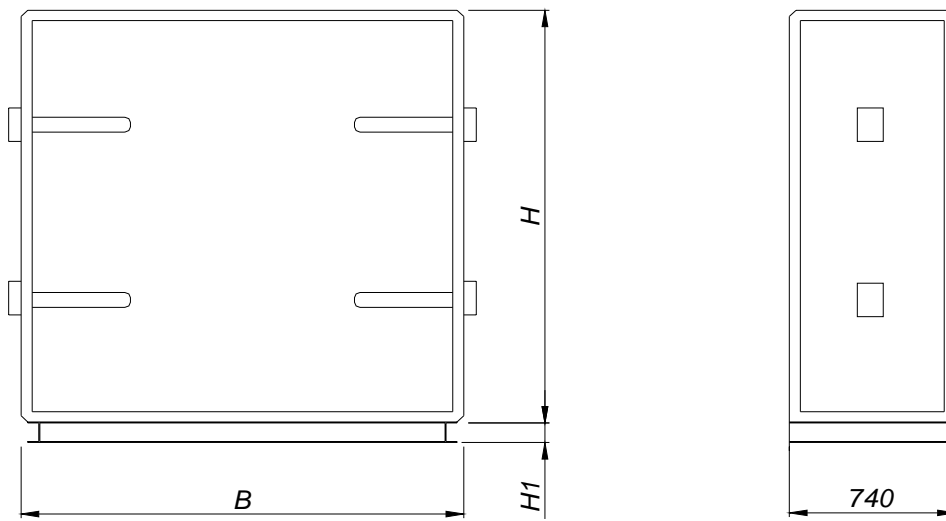
Size of Steam Heater Segment

X. Humidifier



Size of Humidifier

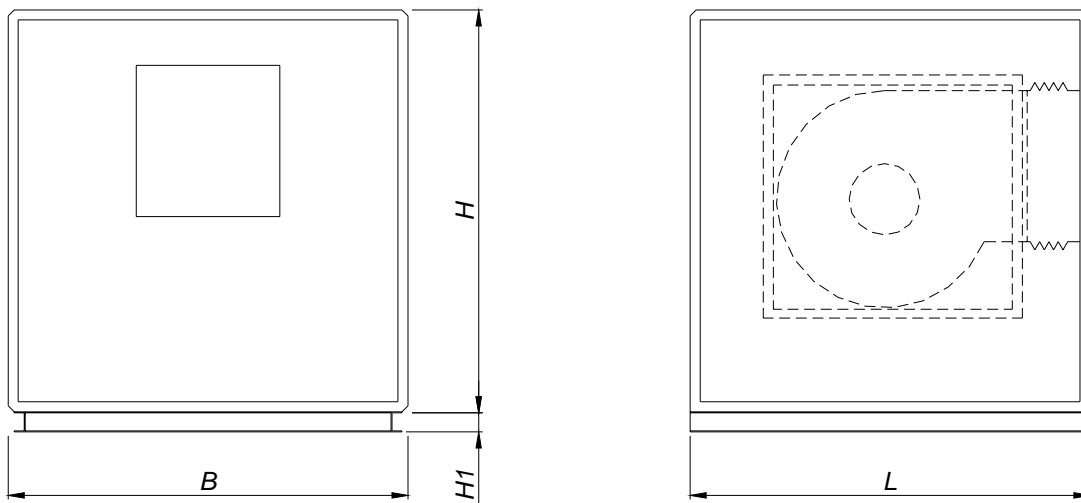
XI. Sterilize Segment



Size of Sterilize Segment

XII. Fan motor segment (blower segment, air return segment, fresh air segment, discharge segment)

Product type	L
ZK-10	1800
ZK-15	2700
ZK-20	2900
ZK-25	2900
ZK-30	3100
ZK-40	3400
ZK-50	3700
ZK-60	3700
ZK-80	3800
ZK-100	3800
ZK-120	4300
ZK-140	4500
ZK-160	5000



Size of Fan Motor Segment

XIII.Weight Table of Each Segment

Product Type	Fresh Air Mixing Section	Return Air Section	Second Return Air Section	Connect section	Roughing Efficiency Air Filter	Medium Efficiency Air Filter	Sub High Efficiency Filter
ZK-10	88	88	64	58	61	69	77
ZK-15	112	112	82	74	79	90	99
ZK-20	144	144	105	96	101	115	126
ZK-25	167	167	122	111	116	134	147
ZK-30	204	204	149	136	143	163	180
ZK-40	247	247	181	164	172	197	216
ZK-50	336	336	246	223	235	268	295
ZK-60	418	418	306	278	293	335	368
ZK-80	499	499	366	333	349	399	439
ZK-100	557	557	408	371	390	446	491
ZK-120	608	608	446	405	425	486	534
ZK-140	716	716	525	477	501	573	630
ZK-160	823	823	604	549	576	659	725

Product Type	Outlet Air Section	Medium outlet Air Section	Derust Fungus Section	4 Rows Cooling Section	6 Rows Cooling Section	8 Rows Cooling Section	Evaporation Heating Section
ZK-10	88	157	69	233	291	416	174
ZK-15	112	202	90	298	372	539	223
ZK-20	144	259	115	384	479	692	288
ZK-25	167	301	134	445	556	802	334
ZK-30	204	367	163	543	678	979	407
ZK-40	247	444	197	657	821	1181	493
ZK-50	336	604	268	894	1117	1610	670
ZK-60	418	753	335	1114	1392	2007	835
ZK-80	499	898	399	1330	1663	2393	998
ZK-100	557	1003	446	1485	1856	2674	1114
ZK-120	608	1093	486	1620	2025	2913	1215
ZK-140	716	1289	573	1909	2387	3439	1432
ZK-160	823	1482	659	2195	2744	3954	1646

Product Type	Electric Heating Section	Spray Section of Single Stage Single Sow	Spray Section of Single Stage Two Row	Eliminator Section	Membrane Type Eliminator	Exhaust Fan Section	Muffler Section
ZK-10	69	698	1047	75	72	122	174
ZK-15	90	894	1340	97	93	156	223
ZK-20	115	1151	1726	124	120	201	288
ZK-25	134	1334	2001	145	139	234	334
ZK-30	163	1628	2442	176	169	285	407
ZK-40	197	1971	2956	213	205	345	493
ZK-50	268	2681	4021	291	279	469	670
ZK-60	335	3342	5012	362	348	584	835
ZK-80	399	3990	5985	432	416	699	998
ZK-100	446	4455	6683	482	464	779	1114
ZK-120	486	4859	7289	526	506	851	1215
ZK-140	573	5728	8592	620	597	1003	1432
ZK-160	659	6585	9878	713	686	1153	1646

Product Type	Fan Section	50#Membrane Type Humidifier	100#Membrane Type Humidifier	150#Membrane Type Humidifier	Dry Steam Humidifier Section	Jet Type Humidifier	Electrode Humidifier
ZK-10	611	75	88	99	67	88	88
ZK-15	782	97	112	126	86	108	112
ZK-20	1007	124	144	163	110	139	144
ZK-25	1168	145	167	189	128	161	167
ZK-30	1425	176	204	231	156	197	204
ZK-40	1725	213	247	279	189	238	247
ZK-50	2346	291	336	379	257	302	336
ZK-60	2924	362	418	473	320	376	390
ZK-80	3491	432	499	565	383	416	432
ZK-100	3898	482	557	631	427	464	482
ZK-120	4252	526	608	689	466	506	526
ZK-140	5012	620	716	812	549	597	620
ZK-160	5762	713	823	933	631	686	713

Request Parameter of Order

Model No of combination air conditioner: _____

Air flow: _____ external pressure and static pressure: _____ external colour of unit: _____

Cooling capacity: _____

Air return condition: DB temp _____ WB Temp or relative humidity: _____

Fresh air condition: DB temp _____ WB Temp or relative humidity: _____

Proportion of fresh air and return air or fresh air proportion: _____ temp after mixed (DB/ WB) : _____

Temp of inlet and outlet water: _____

Azimuth of inlet and outlet water pipe (face the wind outlet): left right

Heating quantity: _____

Air return condition: DB temp _____ WB Temp or relative humidity: _____

Air return condition: DB temp _____ WB Temp or relative humidity: _____

Proportion of fresh air and return air: _____ temp after mixed (DB/ WB) : _____

Temp of water inlet: _____ Temp of water outlet: _____

Azimuth of inlet and outlet water pipe (face the wind outlet): left right

Efficiency of filter: _____ humidifier quantity: _____

Installation type of filter: slideway frame type of humidifier: dry steam steam pressure: _____

Suction azimuth of filter: side suction front suction high pressure spray damp film pole humidifier

Power of electrical heater: _____ grouping of electrical heater: _____

Request of control: _____

Function segment and other request

Mix segment fan motor segment cooling coil segment equal flow segment heating coil air return(discharge) segment

humidifier segment diffluence segment noise elimination segment discharge segment electrical heating segment middle efficient filter segment

Special request:

company: _____ project kind: (purpose for building) _____

Add: _____ zip code: _____

Phone: _____ E -mail _____

Fax: _____ contact person: _____

STAMP reserve the rights to modify the products but inform customers, any doubts, please contact us.