

Zk Series Assembly Air Handling Units

Type			ZK	ZK	ZK	ZK	ZK	ZK	ZK	ZK	ZK	ZK	ZK	ZK	ZK		
Items			6	8	10	15	20	25	30	40	50	60	80	100	120	140	
Air Flow (m³/h)			6000	8000	10000	15000	20000	25000	30000	40000	50000	60000	80000	100000	120000	140000	
Section of Surface Cooling	Windward Air Speed (m/s)		≈2.5														
	Inlet/Outlet Water Temperature (℃)		7/12														
	Work Pressure (Mpa)		1.6														
	Return Air Condition	Inlet Air Temperature (℃)		DB27/WB19.5													
		4 Rows	Cooling Capacity (KW)	35.6	51.3	58.1	88.0	116.3	142.3	174.5	232.8	290.8	349.1	465.2	581.5	697.8	814.3
			Water Flow (T/h)	6.1	8.8	10.0	15.1	20.0	24.5	30.0	40.0	50.0	60.0	80.1	100.1	120.0	37.4
			Water Resistance (Kpa)	3.8	4.1	4.8	5.6	8.3	9.8	11.6	14.0	16.6	18.9	23.3	27.1	32.5	37.4
			Air Resistance (Pa)	80													
		6 Rows	Cooling Capacity (KW)	46.3	67.6	73.1	106.6	142.5	177	213.8	285.1	355.6	429.0	570.3	712.8	853.7	997.1
			Water Flow (T/h)	8.0	11.6	12.6	18.3	24.5	30.4	36.8	49.0	61.2	73.8	98.1	122.6	146.8	171.5
			Water Resistance (Kpa)	4.5	5.3	6.8	7.6	11.2	13.6	15.4	16.5	21.8	23.9	28.6	32.4	36.7	40.9
			Air Resistance (Pa)	120													
		8 Rows	Cooling Capacity (KW)	53.4	76.8	82.3	122.8	165.0	204.8	246.9	328.6	411.8	495.0	657.9	822.7	983.5	1145.1
			Water Flow (T/h)	9.2	13.2	14.1	21.1	28.4	35.2	42.5	56.5	70.8	85.1	113.2	141.5	169.2	197.0
			Water Resistance (Kpa)	5.8	6.9	9.0	10.2	14.3	17.3	18.6	20.3	25.8	28.9	32.1	36.8	42.0	45.1
	Air Resistance (Pa)		160														
	Fresh Air Condition	Inlet Air Temperature (℃)		DB34/WB28													
		4 Rows	Cooling Capacity (KW)	69.4	99.8	113.5	173.0	229.6	280.1	344.0	459.7	574.6	690.2	921.8	1150.3	1386.4	1681.5
			Water Flow (T/h)	11.9	17.2	19.5	29.8	39.5	48.2	59.2	79.1	98.8	118.7	158.5	197.8	238.5	278.4
			Water Resistance (Kpa)	9.0	9.7	11.8	13.7	19.4	23.6	29.2	34.2	40.9	46.5	57.3	67.7	80.6	91.2
			Air Resistance (Pa)	90													
		6 Rows	Cooling Capacity (KW)	79.1	117.3	123.1	185.7	249.0	306.3	373.8	498.5	628.3	755.6	1011.8	1264.3	1470.3	1767.1
			Water Flow (T/h)	13.6	20.2	21.3	31.9	42.8	52.7	64.3	85.7	108.1	130.0	174.0	217.5	252.9	303.9
			Water Resistance (Kpa)	13.3	14.4	17.9	20.8	28.7	35.3	44.0	51.6	60.7	67.2	87.8	105.6	123.6	134.5
			Air Resistance (Pa)	130													
		8 Rows	Cooling Capacity (KW)	91.3	136.3	142.8	213.1	287.1	355.1	433.7	575.4	725.8	871.4	1170.9	1468.3	1703.3	2081.0
Water Flow (T/h)			15.7	23.4	24.7	36.7	49.4	61.1	74.6	99.0	12.4	149.9	201.4	252.5	292.9	352.8	
Water Resistance (Kpa)			19.8	20.8	26.6	29.1	42.8	50.1	66.3	73.7	94.8	100.8	133.8	168.6	197.5	223.6	
Air Resistance (Pa)	170																
Water Connection Pipe		2"			2 1/2"						3"						
Condensed Water Pipe		1"			1 1/4"						1 1/2"						
Number of Surface Cooler		1					2					3					
Section of Heating	Inlet Air Condition (℃)		DB15														
	Hot Water Heating Section	Inlet/Outlet Water Temp (℃)		60/50													
		2 Rows	Heating Capacity (KW)	41.7	55.7	69.8	104.6	139.6	174.5	209.3	279.1	348.9	418.9	558.2	697.8	837.47	977
			Water Flow (T/h)	3.6	4.8	6.0	9.0	12.0	15.0	18.0	24.0	30.0	36.0	48.0	60.0	72.0	84.0
			Water Resistance (Kpa)	1.8	2.1	2.5	2.8	3.8	4.6	5.5	6.5	7.4	8.3	10.5	12.1	14.4	17.0
			Air Resistance (Pa)	55													
		4 Rows	Heating Capacity (KW)	52.1	69.6	87.2	130.6	174.5	218.1	261.7	348.9	436.1	523.4	697.8	872.3	1046.8	1221.3
			Water Flow (T/h)	4.5	6.0	7.5	11.2	15.0	18.8	22.5	30.0	37.5	45.0	60.0	75.0	90.0	105.0
			Water Resistance (Kpa)	2.3	2.8	3.5	3.9	5.8	7.0	8.3	8.9	10.1	11.5	14.5	17.3	21.5	26.8
			Air Resistance (Pa)	80													
		Water Connection Pipe		2"													
	Steam Heating Section	2 Rows	Heating Capacity (KW)	55.1	74.5	93.6	140.4	187.2	234.0	280.7	374.3	467.9	561.3	748.5	935.1	1121.7	1308.3
			Steam Pressure (Mpa)	0.2													
			Steam Temperature (℃)	115													
			Air Resistance (Pa)	55													
			Water Connection Pipe	2"													
	Electric Heater	Electric Power (KW)		6	12	18	27	36	45	54	72	90	108	144	180	216	252
Heating Capacity (KW)		5.1	10.2	15.3	23.0	30.6	38.0	46.0	62.0	78.0	92.0	123.0	153.0	184	214		
Power of Every Group (KW)		3	3	6	9	12	15	18	24	30	18	24	30	36	42		
Temperature Rise of Air (℃)		5.4															
Air Resistance (Pa)		30															
Humidifier Section	Humidification Capacity (kg/h)		10	20	30	45	60	75	90	120	150	180	240	300	360	420	
	Dry Steam	Pressure drop (Mpa)	0.1														
	Wet Film	Pressure drop (Pa)	20~30														
Section of Coarse Filter	Speed of Filtering m/s		<1.5														
	Efficiency of Filtering		≥5u Counting Efficiency 90%(G4)														
	Original Resistance / Eventual Resistance (Pa)		50/100														
Section of Medium Efficiency Filter	Speed of Filtering (m/s)		0.3														
	Efficiency of Filtering		≥1u Counting Efficiency 95%(F8)														
	Original Resistance / Eventual Resistance (Pa)		100/200														
Sub-high Efficiency / High Efficiency Filter			Installed According to the Client's Requirement														

Dimensions of Assembly Air Handling Units(mm)

Function Sections	Width	Height	Surface Cooling	Heating Section	Humidifying Section	Coarse Filter	Medium Efficiency Filter	Heat Recovery Section	Spraying Section (1/2 Rows)	Fan of Air Sending	Water Retaining Section	Noise Eliminating Section	Fresh Air and Return Air Mixing	Secondary Return Air	Distributary Section	Flow Equalization in the Middle Section	Air Blowing Section				
Type																					
ZK6	1400	1250	680	500	500	350	800	900	1500/ 2200	1300	500	1200	600	600	1500	600	600				
ZK8	1400	1250								1500			650	650	1600		650				
ZK10	1400	1250																			
ZK15	1400	1700																			
ZK20	1900	1700																			
ZK25	2200	2000																			
ZK30	2400	2000						1300										2000	740	740	1800
ZK40	2400	2500								2400			950	950	2200		950				
ZK50	2900	2500																			
ZK60	29000	3000																			
ZK80	3500	3200																			
ZK100	3800	3500																			
ZK120	4600	4000																4000			
ZK140	5000	4000																			