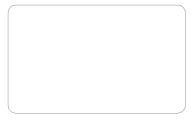






ZHEJIANG KING AIR CONDITIONING EQUIPMENT CO.,LTD

ADRESS:ECONOMIC DEVELOPMENT ZONE OF SHANGYU ,ZHEJIANG PROVINCE



Edition of April 2012

1.Maybe there are some differences between the actual products and products in the calledgue, please

2.Through careful verification, if there are any printing mistakes and omissions in the catelogue, Kingaire,

3.The specification parameter is changed because the products are improved please forgine for not offering a notice.

The detail parameter please subject to nameplate of the products are subject to nameplate of the product.





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Our Aim: To Be The Air Handling Expert In Medical Industry

With national high requirement of indoor cleanliness control,test methold put forward by Good Manufacture Practice (GMP) and fully implementation of GMP, it is important for air conditioning manufacturer control indoor air leakage atio, suspended particles and contaminant concerntration in medical industry.

To meet customers' requirement, constantly innovate and provide high quality air handling system, Kingair combine forty years HAVC technology experience and have launched another high efficient product — Medical purificatory Modular Air Handling Unit, which is of novel structure, perfect functions and lower leakage ratio.















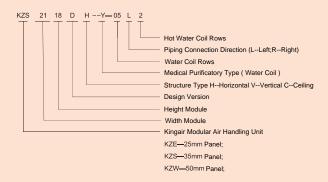


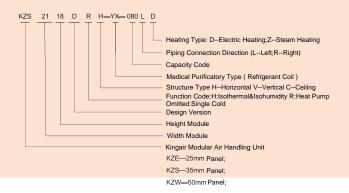
Product Introduction

Medical Purificatory Modular Air Handling Unit is Kingair latest product with low air leakage ratio,high mechanical strength in terms of special requirements of operating clean room and other clean rooms in the field of medical treatment, chemical, food.lt can efficiently control transmission of bacteria and spread of disease. Various high performance parts are exclusively equipped.

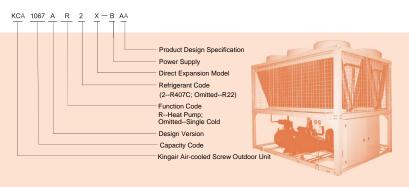
The Medical Purificatory Modular Air Handling Unit falls into two series: one modular air handling unit with cooling coil for water and other with cooling coil for refrigerant.

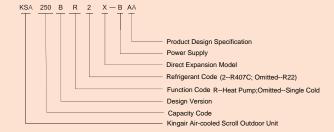
Model Nomenclature





Model Nomenclature







KINGAR

Unit Features

Medical Purificatory Modular Air Handling Unit is used for the clean room in medicine field. Its air conditioning system and equipement must apply special device to meet the requirement; There are some following features compared with normal air handling unit:

- Low Air Leakage Ratio, High Mechanical Strength, Smooth Internal Surface
- The frame adopts patented tenon double-pillar and air leakage proof design, embedded groove making foam materials connect both internal and external panels tightly.
- The foam material is high density polyurethane to make sure the strength of the panel.
- Air leakage proof seal + bolt and nut, improving the seal between panels.
- The internal panel is made of stainless steel with smooth surface to make sure there is no dust and no rust.

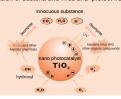




High Efficient Sterilization

- The internal panel of the casing, condensing drainage tray and coil frame are all made up of stainless steel. The heat exchanger is made of hydrophilic alunimun fan or copper fin, to prevent bacteria.
- Stainless tilt big drainage tray design make sure the internal of the unit does not remain water and breed the bacteria.
- The unit is equipped with ultraviolet sterilizing lamp, photocatalyst,ozone generator and etc,effectively killing the bacteria
 and sterilizing,therefore improving the air quality.
- The unit is also equipped with electronic purification device adopting advanced electrostatic precipitation technology, thus totally prevent breed and transmission of bacteria and virus and protect from infection.







Ultraviolet Sterilizing Lamp

photocatalyst

Ozone Generator

Unit Features

Advanced Internal Equipment

Direct Driven and No Volute Frequency Conversion Fan

Uses authoritative certificate and high efficient no volute frequency conversion fan with high transfer efficiency, no belt wear and stable operation. Meanwhile, the no volute fan is open-type structure and convenient to maintainance and clean, especially applied to the clean room



Naked Tube Heater

The heat exchang pipe of the heater is made of stainless steel, smooth surface, without spiral fin, prevernting accumulation of dust and breeding of bacteria.



Flexible and high-efficient antibacterial heat exchanger

The heat exchanger is designed by special computer auxiliary software, whose performance strictly meet the requirement of national standard of clean room. Hydrophilic alunimun fin or copper fin is applied, thus avoiding the air through the coil to take the condensing water covering on the surface of coil away. Meanwhile it also can prevent the breeding of bacteria.

Kingair provides coils with various specifications to meet different requirements of different customers.(different pitch of fins, various fin type, various copper tube diameters and materials for water collecting pipe.





Steam-type Humidifier

The unit use electrode and dry steam to humidify, avoiding the humidified circumstance to keep from the breeding of bacteria.



High Quality Filter

- The unit can use various filter with different degrees to meet customers' requirements, thus optimizing its performance.
- Filter is designed with special structure which is of high trapping effiency and large volume. And It is easy to clean and change.
- Both plate filter and bag filter are put in the same frame to minimize the length of casing greatly.
- The filters from different manufacturers can be installed in the general fixed frame for filter. Frame galvanized and sprayed on the surface improves its anti-corrosion capacity. The surface of the metal plate is smooth enough without any sharp burr;the filter is near one by one and fixed by nuts, making it good airtight.

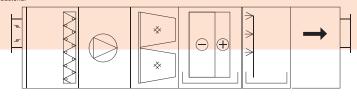






Optimized Design

- Fan placed in the front make sure the unit is under positive pressure to prevent the outside air from leaking, which will pollute the clear air in the unit. And the condensate water can be drained because of positive pressure.
- Areas where can produce water, such as filter protector placed in the front, heat exchanger, protect it from breeding of bacteria.



Air Volume Chart

Face Velocity				Air Vol	lume (m³/h)				
Model (m/s) KZE/KZS/KZW	1.60	2.00	2.25	2.50	2.75	2.85	3.00	3.50	4.00
0606	1000	1250	1406	1563	1719	1781	1875	2188	2500
0906	1741	2176	2448	2720	2992	3101	3264	3808	4353
1206	2509	3136	3528	3920	4313	4469	4705	5489	6273
0909	2736	3420	3847	4275	4702	4873	5130	5985	6840
1209	3943	4929	5545	6161	6777	7023	7393	8625	9857
1509	5150	6437	7242	8047	8851	9173	9656	11265	12875
1212	5735	7169	8065	8961	9857	10216	10753	12546	14338
1512	7490	9363	10534	11704	12875	13343	14045	16386	18727
1812	9246	11558	13003	14448	15892	16470	17337	20227	23116
2112	11002	13753	15472	17191	18910	19597	20629	24067	27505
1515	9832	12290	13826	15362	16898	17513	18434	21507	24579
1815	12136	15170	17066	18962	20859	21617	22755	26547	30340
2115	14440	18050	20307	22563	24819	25722	27075	31588	36101
2415	16745	20931	23547	26163	28780	29826	31396	36629	41861
1919	15976	19970	22467	24963	27459	28458	29956	34948	39941
2119	17878	22348	25141	27935	30728	31846	33522	39109	44696
2419	20731	25914	29153	32393	35632	36928	38871	45350	51828
2719	23584	29480	33165	36850	40535	42009	44220	51590	58961
2222	22450	28063	31571	35079	38587	39990	42094	49110	56126
2422	24718	30898	34760	38622	42484	44029	46346	54071	61795
2722	28120	35150	39543	43937	48331	50088	52724	61512	70299
3022	31521	39401	44327	49252	54177	56147	59102	68953	78803
2525	29188	36485	41045	45606	50166	51990	54727	63848	72969
2725	31748	39685	44646	49606	54567	56551	59527	69449	79370
3025	35589	44486	50046	55607	61168	63392	66728	77850	88971
3325	39429	49286	55447	61608	67768	70233	73929	86251	98572
3625	43270	54087	60848	67608	74369	77074	81130	94652	108174
3628	50687	63359	71279	79198	87118	90286	95038	110878	126718
3928	55186	68982	77605	86228	94851	98300	103474	120719	137965
4530	65749	82186	92460	102733	113006	117115	123279	143826	164373
4830	70358	87947	98940	109934	120927	125324	131920	153907	175894
4533	73576	91970	103467	114963	126459	131058	137956	160948	183941
4833	78734	98417	110719	123021	135323	140244	147625	172230	196834
4536	82969	103711	116675	129639	142603	147789	155567	181495	207422
4836	88785	110981	124853	138726	152599	158148	166471	194216	221961
5136	94600	118250	133031	147813	162594	168507	177375	206938	236500
5436	100416	125520	141210	156900	172590	178866	188280	219659	251039
5736	106231	132789	149388	165986	182585	189225	199184	232381	265578
6036	112047	140059	157566	175073	192581	199584	210088	245103	280117
6636	121020	151300	170200	189090	208000	215560	227000	265000	300000





Cooling Capacity Performance Data

	Nomina		Fre	sh Air Co	ondition			R	eturn Ai	r Condit	ion		
Model	Air	4Rd	ows	6Rd	ows	8R	ows		ows	6Rc	ws		ows
KZE/KZS/KZW	Volume (m³/h)	Sensible Heat kW	Total Heat kW										
0606	1563	7.8	17.8	10.2	25	11.5	28.7	5.7	7.3	7.3	10.7	8.3	13
0906	2720	14	30	18	41	20	46	11	14	13	19	15	21
1206	3920	22	49	27	64	29	68	16	22	20	29	21	33
0909	4275	23	49	30	69	33	77	17	23	22	32	24	37
1209	6161	36	81	45	106	48	112	25	35	31	47	33	52
1509	8047	49	114	60	142	63	150	33	47	39	58	44	70
1212	8961	47	105	58	138	62	147	36	48	44	61	44	71
1512	11704	64	147	84	192	93	213	47	65	55	82	61	95
1812	14448	81	189	95	224	101	239	59	83	72	107	79	122
2112	17191	96	224	110	259	121	285	71	101	85	123	90	140
1515	15362	83	192	96	222	107	247	63	90	73	107	80	120
1815	18962	107	248	133	309	142	330	77	108	94	141	104	158
2115	22563	125	290	146	339	157	364	93	132	105	160	120	184
2415	26163	143	331	173	400	186	430	102	150	120	182	135	215
1919	24963	140	324	161	373	177	410	100	144	124	187	133	210
2119	27935	163	381	198	463	213	498	115	164	145	220	154	240
2419	32393	177	409	206	475	222	513	130	184	166	239	175	272
2719	36850	207	481	243	564	265	615	150	210	165	261	196	304
2222	35079	200	466	239	556	257	599	142	199	170	260	192	300
2422	38622	216	502	262	607	283	657	157	222	195	296	209	330
2722	43937	241	558	282	653	307	710	170	244	217	327	236	376
3022	49252	264	608	338	778	371	853	195	282	236	362	257	426
2525	45606	264	613	313	727	340	792	186	264	225	337	246	389
2725	49606	280	649	332	769	363	840	201	285	246	371	260	426
3025	55607	308	710	364	840	399	921	210	305	280	410	290	466
3325	67768	368	851	448	1078	503	1225	272	376	346	525	381	600
3625	74369	407	944	496	1195	556	1355	385	420	381	581	420	663
3628	87118	473	1095	577	1389	648	1578	443	487	444	676	490	772
3928	94851	518	1204	633	1525	710	1730	384	538	486	741	535	845
4530	113006	587	1336	767	1855	859	2094	466	658	576	876	620	965
4830	120927	634	1448	825	1995	922	2250	502	711	603	907	666	1041
4533	126459	549	1196	859	2075	961	2343	522	737	645	980	693	1080
4833	135323	593	1297	923	2232	1032	2518	562	796	675	1015	746	1165
4536	142603	615	1338	964	2327	1079	2632	585	825	705	1054	780	1212
4836	152599	664	1449	1036	2504	1160	2828	630	891	758	1138	838	1307
5136	162594	712	1562	1108	2680	1240	3025	674	958	812	1221	897	1402
5436	172590	761	1674	1181	2857	1321	3222	719	1025	865	1305	956	1497
5736	182585	810	1787	1253	3033	1401	3418	764	1092	919	1388	1014	1591
6036	192581	859	1899	1326	3211	1482	3615	808	1159	972	1472	1074	1686
6636	208000	943	2100	1447	3508	1614	3939	859	1213	1061	1615	1169	1843

- 1) Chilled water inlet / outlet temperature 7°C/ 12°C
- 2) Return air condition: Inlet air 27°CDB / 19.5°CWB,Fresh air condition: Inlet air 35°CDB/ 28°C WB
- 3) The above data only for reference. If any changes of working condition or different coil circuit lead to different cooling capacity,
- 4) All specifications are subject to change by the manufacturer without prior notice.

Hot Water Coil Performance Data

	Nominal		Fresh Ai	r Condition			Return Air	Condition	
Model	Air Vo l ume	1Rows	2Rows	3Rows	4Rows	1Rows	2Rows	3Rows	4Rows
KZE/KZS/KZW	(m³/h)	Total Heat kW							
0606	1563	5.3	11.7	14.9	18.6	4	9.4	11.9	15.1
0906	2720	13	22	30	36	11	17	25	29
1206	3920	21	33	45	53	16	27	38	43
0909	4275	21	34	48	56	18	27	39	47
1209	6161	32	51	70	83	26	43	59	69
1509	8047	43	70	95	111	35	57	79	92
1212	8961	47	76	104	122	38	62	86	102
1512	11704	62	100	138	160	50	82	115	133
1812	14448	77	127	171	198	64	104	143	166
2112	17191	93	150	204	233	76	123	168	197
1515	15362	75	133	182	210	60	109	150	176
1815	18962	94	167	226	261	77	136	186	218
2115	22563	115	200	270	308	94	163	221	257
2415	26163	136	234	310	359	111	193	261	300
1919	24963	133	220	297	344	112	181	246	288
2119	27935	153	247	334	383	125	203	279	319
2419	32393	178	290	384	444	146	237	324	372
2719	36850	195	332	440	509	168	273	364	424
2222	35079	192	310	411	481	157	257	350	401
2422	38622	212	345	457	530	175	286	381	442
2722	43937	234	395	518	612	200	322	435	508
3022	49252	262	428	573	676	215	367	487	567
2525	45606	239	408	538	626	205	337	450	528
2725	49606	262	429	590	684	216	369	492	572
3025	55607	297	482	665	764	242	415	551	639
3325	67768	332	539	730	849	268	444	616	709
3625	74369	367	594	794	921	299	487	673	781
3628	87118	430	698	928	1079	350	570	792	909
3928	94851	468	767	1005	1181	382	623	854	992
4530	113006	563	915	1213	1412	460	750	1029	1175
4830	120927	605	986	1306	1510	499	807	1082	1259
4533	126459	630	1030	1360	1574	523	848	1148	1321
4833	135323	645	1107	1462	1685	559	908	1234	1416
4536	142603	689	1163	1535	1774	593	959	1296	1491
4836	152599	731	1254	1665	1926	632	1035	1404	1603
5136	162594	793	1317	1783	2079	682	1120	1494	1731
5436	172590	857	1398	1922	2207	696	1206	1599	1860
5736	182585	917	1490	2059	2357	748	1291	1709	1987
6036	192581	980	1601	2188	2518	800	1316	1828	2116
6636	208000	1058	1729	2363	2720	864	1422	1975	2285

- 1) Hot water inlet / outlet 60°C / 50°C
- 2) Return air temperature 15°CDB, fresh air temperature 7°CDB
- 3) The above data only for reference. If any changes of air intake condition, water in/out temperature lead to different
- heating capacity, please refer to Kingair for the detail.

4) All specifications are subject to change by the manufacturer without prior notice

Specification Chart

	Indoor Unit		Init	KZE0906D	KZE0906DR	KZE0906D	KZE0906DR	KZE0908D	KZE0908DR	
Model	3		mit	-YX-012	-YX-012	-YX-014	-YX-014	-YX-019	-YX-019	
Š	Out	door	Model	KSA050BX	KSA050BRX	KSA060BX	KSA060BRX	KSA075BX	KSA075BRX	
	U	nit	Qty	1	1	1	1	1	1	
Rated C	Cooling (Capacity	kw	12	12	14	14	19	19	
Rated H	leating (Capacity	kw		13		16		21	
	Power	Supply				18/V08E	√~/50Hz			
	Refr	igerant				R.	22			
#	Air V	olume	m³/h	25	00	30	000	4200		
į.	e	Width	mm	95	50	9	50	9	950	
Indoor Unit	Outline Dimension	Height	mm	73	30	30	9	930		
=	O iii	Length	mm	Depends On the Module Amount of				Sections		
		ressor T	/pe*Qty		Scr	oll *1		Scr	oll*2	
	Po	g Input wer	kW	4.25	4.25	4.9	4.9	6.96	6.96	
ji ,					3.85		4.55		6.4	
oor L	Weight kg			120	120	120	120	215	223	
utdc	2			94	10	94	40	14	403	
0	Ontrol United States of the Control Ontrol United States of the Control Ontrol			40	00	41	00	8	321	
	ricigit [[[[[]			12	43	12	243	9	980	
	Piping Diameter	Liquid Pipe	mm(in)	9.52	(3/8)	9.52	2(3/8)	2*12	.7(1/2)	
	Pip Dian	Gas Pipe	mm(in)	19.05	5(3/4)	19.0	5(3/4)	2*19.05(3/4)		
				KZE0909D KZE0909DR KZE1209D KZE1209DR				KZE1409D KZE1409DR		
		ndoor L	Init			TILL TEOOD	TALL ILOODIN	142211000	TELLTIOODIC	
<u></u>	'	ridoor c	71111	-YX -026	_YX _026	-YX -030	-YX -030	-YX -039	_YX _039	
Model			Model	-YX -026 KSA100BX	-YX -026 KSA100BRX	-YX -030 KSA125BX	-YX -030 KSA125BRX	-YX -039 KSA150BX	-YX -039 KSA150BRX	
Model	Out	door	Model	KSA100BX	KSA100BRX	KSA125BX	KSA125BRX	KSA150BX	KSA150BRX	
	Out	door		KSA100BX	KSA100BRX	KSA125BX	KSA125BRX 1	KSA150BX 1	KSA150BRX	
	Out U	door nit Capacity	Mode l Qty	KSA100BX	KSA100BRX 1 26.5	KSA125BX	KSA125BRX	KSA150BX	KSA150BRX	
Rated C	Out U Cooling (door nit Capacity	Model Qty kw	KSA100BX	KSA100BRX	1 30	KSA125BRX 1 30	KSA150BX 1	1 37	
Rated C	Out U Cooling (leating (Power	door nit Capacity	Model Qty kw	KSA100BX	KSA100BRX 1 26.5	1 30 380V/3h	1 30 34	KSA150BX 1	1 37	
Rated C	Out U Cooling (leating (Power Refr	door nit Capacity Capacity Supply	Model Qty kw	KSA100BX	1 26.5 28	1 30 380V/31	1 30 34 N~/50Hz	1 37	1 37	
Rated C	Out U Cooling (leating (Power Refr Air V	door nit Capacity Capacity Supply	Model Qty kw kw	KSA100BX 1 26.5	KSA100BRX 1 26.5 28	1 30 380V/3h R. 65	1 30 34 N~/50Hz 22	KSA150BX 1 37	1 37 41	
Rated C	Out U Cooling (leating (Power Refr Air V	door nit Capacity Capacity Supply igerant	Model Qty kw kw	KSA100BX 1 26.5	1 26.5 28 00 00 50 00 00 00 00 00 00 00 00 00 00	KSA125BX 1 30 380V/3r R 65	1 30 34 N-/50Hz 22 500	KSA150BX 1 37	KSA150BRX 1 37 41	
Rated C	Out U Cooling (leating (Power Refr	door nit Capacity Capacity Supply igerant olume Width	Model Qty kw kw m³/h mm	KSA100BX 1 26.5	XSA100BRX 1 26.5 28 00 50 30	SA125BX 1 30 380V/3h R. 65 12	1 30 34 N~/50Hz 22 550	KSA150BX 1 37	1 37 41 500	
Rated C	Outius Onting (Cooling (Coolin	door nit Capacity Capacity Supply igerant olume Width Height	Model Qty kw kw m³/h mm mm	KSA100BX 1 26.5	1 26.5 28 00 50 Depe	SA125BX 1 30 380V/3h R. 65 12	1 30 34 N-/50Hz 22 500 330	KSA150BX 1 37 7: 1-	1 37 41 500	
Rated C	Out U Cooling (leating (Power Refr Air V output Compile Compile Cooling	door nit Capacity Capacity Supply igerant olume Width Height Length ressor T;	Model Qty kw kw m³/h mm mm	KSA100BX 1 26.5	1 26.5 28 00 50 Depe	KSA125BX 1 30 380V/3h R. 65 12	1 30 34 N-/50Hz 22 500 330	KSA150BX 1 37 7: 1-	XSA150BRX 1 37 41 500 450 030	
Rated C Rated H	Out Ul Cooling (Power Refr Air V output Compr Cooling Po Heatin	door nit Capacity Capacity Supply igerant olume Width Height Length ressor Tig Input	Model Qty kw kw m³/h mm mm mm	KSA100BX 1 26.5 50 98 10	KSA100BRX 1 26.5 28 00 50 30 Depe	KSA125BX 1 30 380V/3h R. 65 12 10 inds On the Mo	KSA125BRX 1 30 34 N-/50Hz 22 500 250 330 ddule Amount of	7: 1 37 7: 1 1: 1 Sections	XSA150BRX 1 37 41 500 450 030	
Rated C Rated H	Out Ul Cooling (Power Refr Air V output Compre Cooling Cooling Heatinn Po	door nit Capacity Capacity Supply igerant olume Width Height Length ressor T: g Input	Model Qty kw kw m³/h mm mm mm ype*Qty kW	KSA100BX 1 26.5 50 98 10	KSA100BRX 1 26.5 28 00 50 30 Depe	KSA125BX 1 30 380V/3h R. 65 12 10 inds On the Mo	KSA125BRX 1 30 34 N-/50Hz 22 500 550 330 dule Amount of	7: 1 37 7: 1 1: 1 Sections	KSA150BRX 1 37 41 500 450 030 00li*2 11.6	
Rated C Rated H	Out U Cooling (Power Refr Air V Soistantia Compi Cooling Cooling Heatin Po We	door nit Capacity Supply igerant olume Width Height Length ressor Ty g Input wer	Model Qty kw kw kw m³/h mm mm ype*Qty kW kW	\$50 98 10 8.5	XSA100BRX 1 26.5 28 00 50 30 Depc 8 8.5 7.8	KSA125BX 1 30 380V/3t R 65 12 10 ands On the Modercroll*2 10.2	XSA125BRX 1 30 34 N-/50Hz 22 500 550 330 dule Amount of	7: 1.6 Sections Scr 11.6 305	KSA150BRX 1 37 41 500 450 030 0II*2 11.6 11.2	
Rated C	Out U Cooling (Power Refr Air V Soistantia Compi Cooling Cooling Heatin Po We	door nit Capacity Capacity Supply igerant olume Width Height Length ressor Tr g Input wer	Model Qty kw kw m³/h mm mm ype*Qty kW kW	\$50 98 10 8.5	XSA100BRX 1 26.5 28 00 50 30 Depe \$ 8.5 7.8 240 03	KSA125BX 1 30 380V/3f R 65 12 10 onds On the Mo circli '2 10.2 252	XSA125BRX 1 30 34 N-/50Hz 22 600 8250 130 ddule Amount of 10.2 10 260	7: 1.6 Sections Scr 11.6 305	KSA150BRX 1 37 41 500 450 030 0II 2 11.6 11.2 315	
Rated C Rated H	Out Ul Cooling (Power Refr Air V output Compre Cooling Cooling Heatinn Po	door nit Capacity Capacity Supply igerant olume Width Height Length ressor Tr g Input wer g Input wer	Model Qty kw kw m³/h mm mm mm kw kw kw kw kw kw kw kw kw	KSA100BX 1 26.5 50 98 10 8.5	XSA100BRX 1 26.5 28 00 50 30 Depe 8 8.5 7.8 240 03	KSA125BX 1 30 380V/3f R 65 12 10 ands On the Motoroil "2 10.2 252 15	KSA125BRX 1 30 34 N-/50Hz 22 500 500 100 10.2 10 260	7: 1: 5 Sections Scr 11.6 305	KSA150BRX 1 37 41 500 450 030 0II*2 11.6 11.2 315	
Rated C Rated H	Out U Cooling (Power Refr Air V Output Out	door nit Capacity Supply Supply Gerant olume Width Height Length Length Width Height Length Width Height Length Length Width Height Length	Model Qty kw kw m³/h mm mm mm cpe*Qty kW kg mm	KSA100BX 1 26.5 50 98 10 8.5 232 14 83	XSA100BRX 1 26.5 28 00 50 30 Depe 8 8.5 7.8 240 03	KSA125BX 1 30 380V/3f R 65 12 10 onds On the Motoroil *2 10.2 252 15 86	KSA125BRX 1 30 34 N-/50Hz 22 500 8250 8330 sidule Amount of 10.2 10 260 558	7: 1	KSA150BRX 1 37 41 500 450 030 0II *2 11.6 11.2 315 558	
Rated C Rated H	Out U Cooling (Power Refr Air V Soistantia Compi Cooling Cooling Heatin Po We	door nit Capacity Capacity Supply Igerant Colume Width Height Length Width Height Length Width Height Length Width Height	Model Qty kw kw m³/h mm mm mm ype*Qty kW kg mm mm	KSA100BX 1 26.5 50 98 10 8.5 232 14 83	KSA100BRX 1 26.5 28 00 50 30 Depe \$ 8.5 7.8 240 03 21 60 7(1/2)	KSA125BX 1 30 380V/3I R. 65 12 10 onds On the Motoroil '2 10.2 252 15 8i 11 2*12.	KSA125BRX 1 30 34 N-/50Hz 22 500 555 10.2 10 260 558 82 70	KSA150BX 1 37 7: 1- 11 Sections Scr 11.6 305 11 8 11 2*12	KSA150BRX 1 37 41 500 450 030 0II *2 11.6 11.2 315 558 382 170	

Specification Chart

-	_	li	Indoor Unit	Jnit	KZE1511D	KZE1511DR	KZE1512D	KZE1512DR	KZE1812DR	KZE1812DR		
	Model			Model	-YX -050	-YX -050	-YX -062	-YX -062	-YX -076	-YX -076		
	-	Out	door		KSA200BX	KSA200BRX	KSA250BX	KSA250BRX	KSA150BM	KSA150BRM		
_				Qty	1	1	1	1	2	2		
_		Cooling (kw	50	50	62	62	74	74		
Ra	ated H	leating (kw		56		68		82		
_			Supply					V~/50Hz				
_			gerant				T	22		15000		
	ij		olume	m³/h		000		000 550	15000			
	Indoor Unit	Outline Dimension	Width	mm		50		850				
	Indo	Outli	Height	mm	12	30		330		330		
			Length	mm				dule Amount of				
			essor Ty	ype*Qty			oll *2	1		oll *3		
	(e	Cooling Po Heating	wer	kW	17.6	17.6	19.8	19.8	11.6	11.6		
	Sing	Po	wer	kW		16.5		18.6		11.2		
	Outdoor Unit (Single)		ight	kg	480	492	532	544	305	315		
	2 2	Outline Dimension	Length	mm	18	08	18	308		1558		
	oop:	Outli	Width	mm	10	90	10	090		882		
	Out		Height	mm	11	90	11	190		1170		
		Piping Diameter	Liquid Pipe	mm(in)	2*15.8	88(5/8)	2*15.	88(5/8)	2*12.7(1/2)			
		Pi Diar	Gas Pipe	mm(in)	2*28.6	(1-1/8)	2*28.6	(1-1/8)	2*2	2.2(7/8)		
_							2*28.6(1–1/8) 2*22,2(7/8)					
Ē					K7F2114D	K7F2114 DR	K7E2018D	K7E2018DR	K7S2121D	K7S2121DR		
Ī	lel	ı	ndoor l	Jnit	KZE2114D -YX-102	KZE2114 DR -YX -102	KZE2018D -YX -125	KZE2018DR -YX -125	KZS2121D -YX -152	KZS2121DR -YX -152		
	Model			Jnit Model	-YX-102	-YX -102	-YX -125	-YX -125	-YX -152	-YX -152		
	Model	Out	ndoor l door nit	Model	-YX-102 KSA200BM	-YX -102 KSA200BRM	-YX -125 KSA250BM	-YX -125 KSA250BRM	-YX -152 KSA200BM	-YX -152 KSA200BRM		
Ra		Out	door	Model Qty	-YX-102 KSA200BM 2	-YX -102 KSA200BRM 2	-YX -125 KSA250BM	-YX -125 KSA250BRM 2	-YX -152 KSA200BM	-YX -152 KSA200BRM 3		
_	ated C	Out U Cooling (door nit Capacity	Model Qty	-YX-102 KSA200BM	-YX -102 KSA200BRM 2 102	-YX -125 KSA250BM	-YX -125 KSA250BRM 2 125	-YX -152 KSA200BM	-YX -152 KSA200BRM 3 152		
_	ated C	Out U Cooling (door nit Capacity Capacity	Model Qty	-YX-102 KSA200BM 2	-YX -102 KSA200BRM 2	-YX -125 KSA250BM 2 125	-YX -125 KSA250BRM 2	-YX -152 KSA200BM	-YX -152 KSA200BRM 3		
_	ated C	Out U Cooling (leating (Power	door nit Capacity Capacity Supply	Model Qty	-YX-102 KSA200BM 2	-YX -102 KSA200BRM 2 102	-YX -125 KSA250BM 2 125	-YX -125 KSA250BRM 2 125 128	-YX -152 KSA200BM	-YX -152 KSA200BRM 3 152		
_	ated C	Out U Cooling (leating (Power Refr	door nit Capacity Capacity	Model Qty kw kw	-YX-102 KSA200BM 2 102	-YX -102 KSA200BRM 2 102	-YX -125 KSA250BM 2 125	-YX -125 KSA250BRM 2 125 128 N~/50Hz	-YX -152 KSA200BM 3 152	-YX -152 KSA200BRM 3 152		
_	ated C	Out U Cooling (Reating (Power Refr Air V	door nit Capacity Capacity Supply igerant	Model Qty kw kw m³/h	-YX-102 KSA200BM 2 102	-YX -102 KSA200BRM 2 102 110	-YX -125 KSA250BM 2 125 380V/31 R	-YX -125 KSA250BRM 2 125 128 N~/50Hz	-YX -152 KSA200BM 3 152	-YX -152 KSA200BRM 3 152 160		
_	ated C	Out U Cooling (Reating (Power Refr Air V	door nit Capacity Capacity Supply igerant olume	Model Qty kw kw m³/h mm	-YX-102 KSA200BM 2 102 200 21	-YX -102 KSA200BRM 2 102 110	-YX -125 KSA250BM 2 125 380V/3I R 24	-YX -125 KSA250BRM 2 125 128 N/50Hz 22 000	-YX -152 KSA200BM 3 152	-YX -152 KSA200BRM 3 152 160		
_	ated C	Out U Cooling (leating (Power Refr	door nit Capacity Capacity Supply igerant olume Width Height	Model Qty kw kw m³/h mm	-YX-102 KSA200BM 2 102 200 21	-YX -102 KSA200BRM 2 102 110 000 50 30	-YX -125 KSA250BM 2 125 380V/3I R 24 20	-YX -125 KSA250BRM 2 125 128 N~/50Hz 22 000 050 030	-YX-152 KSA200BM 3 152	-YX -152 KSA200BRM 3 152 160		
_	ated C	Outing (Cooling (Power Refr Air V	door nit Capacity Capacity Supply igerant olume Width Height Length	Model Qty kw kw m³/h mm mm	-YX-102 KSA200BM 2 102 200 21	-YX -102 KSA200BRM 2 102 110 000 50 30	-YX -125 KSA250BM 2 125 380V/3I R 24 20 115 ends On the Mo	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 050	-YX-152 KSA200BM 3 152	-YX -152 KSA200BRM 3 152 160		
Ra	Indoor Unit	Out U Cooling (Power Refr Air V equipmo	door nit Capacity Capacity Supply igerant olume Width Height Length	Model Qty kw kw m³/h mm mm ype*Qty	-YX-102 KSA200BM 2 102 200 21	-YX -102 KSA200BRM 2 102 110 000 50 30	-YX -125 KSA250BM 2 125 380V/3I R 24 20 115 ends On the Mo	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 050 0dule Amount o	-YX-152 KSA200BM 3 152	-YX -152 KSA200BRM 3 152 160		
Ra	Indoor Unit	Out U Cooling (leating (Power Refr Air V oisunuin Compr Cooling	door nit Capacity Capacity Supply igerant olume Width Height Length ressor Ty	Model Qty kw kw m³/h mm mm ype*Qty	-YX-102 KSA200BM 2 102 200 21 15	-YX -102 KSA200BRM 2 102 110 000 50 30 Depc	-YX -125 KSA250BM 2 125 380V/3I R 24 20 118 ends On the Mo	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 0550 030 odule Amount o	-YX -152 KSA200BM 3 152 30 2 2 f Sections	-YX -152 KSA200BRM 3 152 160 0000 170 270		
Ra	Indoor Unit	Out UI Cooling (Power Refr Air V ouiting (Compression of the cooling of the co	door nit Capacity Capacity Supply igerant olume Width Height Length ressor T; g Input wer	Model Qty kw kw kw m³/h mm mm ype*Qty kW kW	-YX-102 KSA200BM 2 102 200 21 15	-YX -102 KSA200BRM 2 102 110 000 50 30 Depc 17.6 16.5	-YX -125 KSA250BM 2 125 380V/31 R 24 20 115 ends On the Mc Scr	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 0550 330 odule Amount of oil '2 19.8 18.6	-YX -152 KSA200BM 3 152 30 2 2 f Sections	-YX -152 KSA200BRM 3 152 160 0000 170 270 17.6 16.5		
Ra	Indoor Unit	Out U Cooling (leating (Power Refr Air V euipo Coolini Coolini Pc Heatin Pc	door nit Capacity Capacity Supply igerant olume Width Height Length ressor T g Input wer g Input	Model Qty kw kw m³/h mm mm ype*Qty kW kW	-YX-102 KSA200BM 2 102 200 21 15 17.6	-YX -102 KSA200BRM 2 102 110 000 50 30 Deps 17.6 16.5 492	-YX -125 KSA250BM 2 125 380V/31 R 24 20 115 ends On the Mc Scr 19.8	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 050 000 050 001 12 19.8 18.6 544	-YX -152 KSA200BM 3 152 30 2 2 f Sections 17.6	-YX -152 KSA200BRM 3 152 160 170 270 17.6 16.5 492		
Ra	Indoor Unit	Out U Cooling (leating (Power Refr Air V euipo Coolini Coolini Pc Heatin Pc	door nit Capacity Capacity Supply iggrant colume Width Height Length Wer g Input Wer g Input Length Length Length	Model Qty kw kw kw m³/h mm mm ype*Qty kW kW kg mm	-YX-102 KSA200BM 2 102 200 21 15 17.6 480	-YX -102 KSA200BRM 2 102 110 000 50 30 Depa 17.6 16.5 492	-YX -125 KSA250BM 2 125 380V/31 R 24 20 118 ends On the Mc Scr 19.8	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 0350 0300 0dule Amount of old '2 19.8 18.6 544	-YX -152 KSA200BM 3 152 30 2 2 f Sections 17.6 480	-YX -152 KSA200BRM 3 152 160 170 270 17.6 16.5 492		
Ra	Indoor Unit	Out UI Cooling (Power Refr Air V ouiting (Compression of the cooling of the co	door nit Capacity Supply igerant colume Width Height Length vessor T g Input wer ight Length Width Width Width	Model Qty kw kw m³/h mm mm ype*Qty kW kg mm	-YX-102 KSA200BM 2 102 200 21 15 17.6 480 18	-YX -102 KSA200BRM 2 102 110 000 50 30 Depe 17.6 16.5 492 08	-YX -125 KSA250BM 2 125 380V/31 R 24 20 119.8 532	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 0330 0dule Amount of oli *2 19.8 18.6 544 308	-YX -152 KSA200BM 3 152 30 2 2 f Sections 17.6 480 18	-YX -152 KSA200BRM 3 152 160 170 270 17.6 16.5 492 108		
Ra	ated C	Out U Cooling (Power Refr Air V Outpm Comprise Comprise Comprise We euipn O Comprise We euipn O Comprise We O Comprise O Compri	door nit Capacity Capacity Supply Supply Gerant Odume Width Height Length Length Width Height Length Width Height Length Height Length	Model Qty kw kw kw m³/h mm mm ype*Qty kW kg mm mm	-YX-102 KSA200BM 2 102 200 21 15 17.6 480 18 10 11	-YX -102 KSA200BRM 2 102 110 500 50 30 Depe 17.6 16.5 492 08 90	-YX -125 KSA250BM 2 125 380V/3I R 24 20 15 ands On the M Scr 19.8	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 050 050 030 0dule Amount of oll *2 19.8 18.6 544 308	-YX -152 KSA200BM 3 152 30 2 2 f Sections 17.6 480 18	-YX -152 KSA200BRM 3 152 160 170 270 17.6 16.5 492 108 190 190		
Ra	Indoor Unit	Out U Cooling (leating (Power Refr Air V euipo Coolini Coolini Pc Heatin Pc	door nit Capacity Capacity Supply igerant colume Width Height Length weer ig I Input weer ight Length Width Height Length Width	Model Qty kw kw m³/h mm mm ype*Qty kW kg mm	-YX-102 KSA200BM 2 102 200 21 15 17.6 480 18 10 2*15.6	-YX -102 KSA200BRM 2 102 110 000 50 30 Depe 17.6 16.5 492 08	-YX -125 KSA250BM 2 125 380V/3I R 24 20 18 ends On the Mc Scr 19.8 532 18 10 11 2*15.3	-YX -125 KSA250BRM 2 125 128 N-/50Hz 22 000 0330 0dule Amount of oli *2 19.8 18.6 544 308	-YX-152 KSA200BM 3 152 30 2 2 f Sections 17.6 480 18 10 11 2*15.	-YX -152 KSA200BRM 3 152 160 170 270 17.6 16.5 492 108		



Specification Chart

_											
_	Indoor Unit Outdoor Mode	Unit	KZS2521D	KZS2521DR	KZS2721D	KZS2721DR	KZS2824D	KZS2824DR			
ode				-YX-186	-YX 186	-YX 235	-YX 235	-YX 272	-YX 272		
Σ		tdoor Init	Model	KSA250BM	KSA250BRM		KCA1067ARX		KCA1078ARX		
			Qty	3	3	1	1	1	1		
	Cooling C		kw	186	186	235	235	272	272		
Rated F	leating (kw		192		273		315		
		er Supply	У				N~/50Hz				
	_	rigerant					22				
ŧ		olume	m³/h		500		000 770		0000		
Indoor Unit	Outline	Width	mm		70		870				
ρ	Out	Height	mm	22	70	22	270	2	570		
	ä	Length	mm				odule Amount o				
			ype*Qty	Scr	oll*2	Semi-h	ermetic Screw	Гуре *1			
0	l P	g Input ower	kW	19.8	19.8	75.3	75.3	82.8	82.8		
ing	Heatir	ng Input ower	kW		18.6		68.5		75.2		
S)		eight	kg	532	544	2580	2650	2780	2850		
Outdoor Unit (Single)	Outline Dimension	Length	mm	18	08	29	940	3	100		
90	nen:	Width	mm	10	90	22	232	2	232		
prite		Height	mm	11	90	23	370	2	370		
O	Piping Diameter	Liquid Pipe	mm(in)	2*15.8	88(5/8)	28.6(1-1/8)	34.9	1-3/8)		
	Pia ja	Gas Pipe	mm(in)	2*28.6(1-1/8) 66.68(2-5/8) 79.4(3-1			(3-1/8)				
_								79.4(3-1/8)			
=					K7W3027DR	K7W3/127D	K7W3427DR	K7W3530D	K7W3530DR		
<u></u>		ndoor L	Jnit	KZW3027D	KZW3027DR	KZW3427D	KZW3427DR	KZW3530D	KZW3530DR		
Model	lı			-YX-325	-YX -325	-YX -372	-YX -372	-YX -451	-YX -451		
Model	lı	door	Model	-YX-325 KCA1093AX	-YX -325 KCA1093ARX	-YX -372 KCA1108AX	-YX -372 KCA1108ARX	-YX -451 KCA1130AX	-YX -451 KCA1130ARX		
	Out Ui	door	Mode l Qty	-YX-325 KCA1093AX 1	-YX -325 KCA1093ARX 1	-YX -372 KCA1108AX 1	-YX -372 KCA1108ARX 1	-YX -451 KCA1130AX 1	-YX -451 KCA1130ARX 1		
Rated (Out Ui Cooling (door nit Capacity	Model Qty kw	-YX-325 KCA1093AX	-YX -325 KCA1093ARX	-YX -372 KCA1108AX	-YX -372 KCA1108ARX	-YX -451 KCA1130AX	-YX -451 KCA1130ARX		
Rated (Out Ui Cooling (door nit Capacity Capacity	Mode l Qty	-YX-325 KCA1093AX 1	-YX -325 KCA1093ARX 1 325	-YX -372 KCA1108AX 1 372	-YX -372 KCA1108ARX 1 372 430	-YX -451 KCA1130AX 1	-YX -451 KCA1130ARX 1 451		
Rated (Out Ui Cooling (Heating (door nit Capacity Capacity r Supply	Model Qty kw	-YX-325 KCA1093AX 1	-YX -325 KCA1093ARX 1 325	-YX -372 KCA1108AX 1 372 380V/3	-YX -372 KCA1108ARX 1 372 430 N~/50Hz	-YX -451 KCA1130AX 1	-YX -451 KCA1130ARX 1 451		
Rated (Out Ui Cooling (Heating (Powe	door nit Capacity Capacity r Supply gerant	Model Qty kw kw	-YX-325 KCA1093AX 1 325	-YX -325 KCA1093ARX 1 325 375	-YX -372 KCA1108AX 1 372 380V/3I	-YX -372 KCA1108ARX 1 372 430 N~/50Hz	-YX -451 KCA1130AX 1 451	-YX -451 KCA1130ARX 1 451 520		
Rated (Out Ui Cooling (Heating (Powe Refri	door nit Capacity Capacity r Supply gerant olume	Model Qty kw kw m³/h	-YX-325 KCA1093AX 1 325	-YX -325 KCA1093ARX 1 325 375	-YX -372 KCA1108AX 1 372 380V/3I R	-YX -372 KCA1108ARX 1 372 430 N~/50Hz 22 000	-YX -451 KCA1130AX 1 451	-YX -451 KCA1130ARX 1 451 520		
Rated (Out Ui Cooling (Heating (Powe Refri	door nit Capacity Capacity r Supply gerant olume Width	Model Qty kw kw m³/h mm	-YX-325 KCA1093AX 1 325	-YX -325 KCA1093ARX 1 325 375	-YX -372 KCA1108AX 1 372 380V/3I R 70 38	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000	-YX -451 KCA1130AX 1 451	-YX -451 KCA1130ARX 1 451 520		
Rated (Out Ui Cooling (Heating (Powe Refri	door nit Capacity Capacity r Supply gerant olume Width Height	Model Qty kw kw m³/h mm	-YX-325 KCA1093AX 1 325	-YX -325 KCA1093ARX 1 325 375	-YX -372 KCA1108AX 1 372 380V/3I R 70 38	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 500	-YX -451 KCA1130AX 1 451 80 33	-YX -451 KCA1130ARX 1 451 520		
Rated (Out Un Cooling (Celeating (Powe Refri Air Vo	door nit Capacity Capacity r Supply gerant olume Width Height Length	Model Qty kw kw m³/h mm mm	-YX-325 KCA1093AX 1 325	-YX -325 KCA1093ARX 1 325 375 000 00 Depe	-YX -372 KCA1108AX 1 372 380V/3I R 70 38 28 nds On the Mo	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 500 000 ddule Amount of	-YX -451 KCA1130AX 1 451 80 33	-YX -451 KCA1130ARX 1 451 520		
Rated F	Out Ut Cooling (Heating (Powe Refri Air Vi euipho Compi	door nit Capacity Capacity r Supply gerant olume Width Height Length	Model Qty kw kw m³/h mm mm ype*Qty	-YX-325 KCA1093AX 1 325 600 31 29	-YX -325 KCA1093ARX 1 325 375 000 00 Depe Semi-l	-YX -372 KCA1108AX 1 372 380V/3I R 70 38 29 onds On the Monermetic Screw	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 000 000 0dule Amount of v Type *1	-YX -451 KCA1130AX 1 451 80 3 3	-YX -451 KCA1130ARX 1 451 520		
Rated F	Out Un Cooling (Power Refri Air V. euijino Cooling Cooling Cooling Cooling Cooling Cooling Pooling Poo	door nit Capacity Capacity r Supply gerant olume Width Height Length ressor T	Model Qty kw kw m³/h mm mm ype*Qty kW	-YX-325 KCA1093AX 1 325	-YX -325 KCA1093ARX 1 325 375 000 00 Depe	-YX -372 KCA1108AX 1 372 380V/3I R 70 38 28 nds On the Mo	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 500 000 ddule Amount of	-YX -451 KCA1130AX 1 451 80 33	-YX -451 KCA1130ARX 1 451 520		
Rated F	Out Un Cooling (Power Refri Air Vi eu in Out Cooling Cooling Cooling Cooling Pot Heating Pot Cooling P	door nit Capacity Capacity r Supply gerant Olume Width Height Length ressor T	Model Qty kw kw m³/h mm mm ype*Qty kW kW	-YX-325 KCA1093AX 1 325 600 31 29	-YX -325 KCA1093ARX 1 325 375 000 00 00 Depe Semi-I 105.7	-YX -372 KCA1108AX 1 372 380V/3I R 70 38 29 onds On the Monermetic Screw	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 600 600 odule Amount of a Type *1 118	-YX -451 KCA1130AX 1 451 80 3 3	-YX -451 KCA1130ARX 1 451 520 0000 600 200		
Rated F	Out Un Cooling (Cooling Cooling Cooling Cooling Cooling Cooling Cooling Cooling Potential Cooling Pote	door nit Capacity Capacity r Supply gerant olume Width Height Length ressor T	Model Qty kw kw m³/h mm mm ype*Qty kW kW	-YX-325 KCA1093AX 1 325 600 31 29 105.7	-YX -325 KCA1093ARX 1 325 375 000 00 Depe Semi-I 105.7 97 3650	-YX -372 KCA1108AX 1 372 380V/31 R 70 38 29 ands On the Monermetic Screw 118 3660	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 000 000 000 07 Type *1 118 108.2 3740	-YX -451 KCA1130AX 1 451 80 3 3 Sections 139.9	-YX -451 KCA1130ARX 1 451 520 0000 600 200 139.9 127.5 4200		
Rated F	Out Un Cooling (Cooling Cooling Cooling Cooling Cooling Cooling Cooling Cooling Potential Cooling Pote	door nit Capacity Capacity r Supply gerant olume Width Height Length essor T g Input wer j Input wer sight Length	Model Qty kw kw m³/h mm mm ype*Qty kW kW kg mm	-YX-325 KCA1093AX 1 325 600 31 29 105.7 3570	-YX -325 KCA1093ARX 1 325 375 000 00 00 Depe Semi-1 105.7 97 3650	-YX -372 KCA1108AX 1 372 380V/31 R 70 38 29 ands On the Mohermetic Screw 118 3660 40	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 600 000 dulle Amount of v Type *1 118 108.2 3740	-YX -451 KCA1130AX 1 451 80 33 3 Sections 139.9 4100	-YX -451 KCA1130ARX 1 451 520 0000 600 200 139.9 127.5 4200 040		
Rated F	Out Un Cooling (Cooling Cooling Cooling Cooling Cooling Cooling Cooling Cooling Potential Cooling Pote	door nit Capacity Capacity r Supply gerant clume Width Height Length Length yi I plus yi I plus Length Width Width	Model Qty kw kw m³/h mm mm ype*Qty kW kg mm	-YX-325 KCA1093AX 1 325 600 31 29 105.7 3570 40	-YX -325 KCA1093ARX 1 325 375 000 00 00 Depe Semi-1 105.7 97 3650 40	-YX -372 KCA1108AX 1 372 380V/31 R 70 38 22 ands On the Monermetic Screw 118 3660 40	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 500 600 600 600 600le Amount of 7 Type *1 118 108.2 3740 040	-YX -451 KCA1130AX 1 451 80 31 3 Sections 139.9 4100	-YX -451 KCA1130ARX 1 451 520 0000 600 200 139.9 127.5 4200 040 232		
Rated (Outurn Ou	door nit Capacity Capacity Gapacity Ga	Model Qty kw kw m³/h mm mm ype*Qty kW kg mm mm	-YX-325 KCA1093AX 1 325 600 31 29 105.7 3570 40 22 25	-YX -325 KCA1093ARX 1 325 375 000 00 00 Depe Semi-I 105.7 97 3650 440 332	-YX -372 KCA1108AX 1 372 380V/31 R 70 38 225 ends On the Monermetic Screw 118 3660 40 225	-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 600 600 ddule Amount of 7 Type *1 118 108.2 3740 4040 232	-YX -451 KCA1130AX 1 451 80 3: 3: Sections 139.9 4100 4 2	-YX -451 KCA1130ARX 1 451 520 0000 600 200 139.9 127.5 4200 040 2322 880		
Rated F	Out Un Cooling (Cooling Cooling Cooling Cooling Cooling Cooling Cooling Cooling Potential Cooling Pote	door nit Capacity Capacity r Supply gerant clume Width Height Length Length yi I plus yi I plus Length Width Width	Model Qty kw kw m³/h mm mm ype*Qty kW kg mm	-YX-325 KCA1093AX 1 325 600 31 29 105.7 3570 400 22 25 34.9(-YX -325 KCA1093ARX 1 325 375 000 00 00 Depe Semi-1 105.7 97 3650 40	-YX -372 KCA1108AX 1 372 380V/31 R 70 38 218 nds On the Monermetic Screw 118 3660 40 22 25 34.9(-YX -372 KCA1108ARX 1 372 430 N-/50Hz 22 000 500 600 600 600 600le Amount of 7 Type *1 118 108.2 3740 040	-YX -451 KCA1130AX 1 451 80 3: Sections 139.9 4100 4: 2 2 41.3	-YX -451 KCA1130ARX 1 451 520 0000 600 200 139.9 127.5 4200 040 232		

Note

Rated cooling capacity is measured at indoor 27°CDB/19°CWB outdoor 35°CDB.
Rated heating capacity is measured at indoor 20°CDB outdoor 7°CDB/6°CWB.
Rated cooling cpacity doesn't take heat producing loss of indoor fan motor into consideration;
External static pressure could be provided by the user.
All specifications are subject to change by the manufacturer without prior notice.

Isothermal&Isohumidity Unit Specification Chart

_								
		Indoor	Unit	KZE0909D	KZE1209D	KZE1409D	KZE1511D	KZE1512D
Model		indoor		-YX-025	-YX-029	-YX-037	-YX-048	-YX-059
ž		door	Model	KSA100BX	KSA125BX	KSA150BX	KSA200BX	KSA250BX
		nit	Qty	1	1	1	1	1
Rated 0	Cooling	Capacity	kw	25.2	29	35.5	48	59
Electric I	Heating	Capacity	kw	16	20	24	28	32
Humidi	ification	Volume	kg/h	8	10	13	18	22
	Powe	er Suppl	y			380V/3N~/50Hz		
	Ref	rigerant				R22		
ŧ	Air \	olume/	m³/h	5000	6500	7500	10000	12000
į	e e	Width	mm	950	950	1450 1550		1550
<u>စို</u>	2 0 2		mm	1030	1030	1030	1230	1330
드	□ Length mm		mm		Depends	On the Module A	mount of Sections	1
	Compressor Type*Qty		ype*Qty	Scrol	1*2	Scroll *2	Sci	roll*2
	Coolir	g Input ower	kW	8.5	10.2	11.6	17.6	19.8
±	W	eight	kg	232	252	305	480	532
Outdoor Unit	ion	Length	mm	1403	1558	1558	1808	1808
rtdo	Outline Dimension	Width	mm	821	882	882	1090	1090
õ	o i	Height	mm	980	1170	1170	1190	1190
	ing	Liquid Pipe	mm(in)	2*12.7(1/2)	2*12.7(1/2)	2*12.7(1/2)	2*15.88(5/8)	2*15.88(5/8)
	Piping Diameter	Gas Pipe	mm(in)	2*19.05(3/4)	2*19.05(3/4)	2*22.2(7/8)	2*28.6(1-1/8)	2*28.6(1-1/8)
	Gas mm(in)							
				K7F1812D	K7F2114D	K7F2018D	K7S2121D	K7S2521D
<u></u>		ndoor l	Jnit	KZE1812D -YX-073	KZE2114D -YX-97	KZE2018D -YX-120	KZS2121D -YX-146	KZS2521D -YX-176
Model	ı		Jnit Model	-YX-073	-YX-97	-YX-120	KZS2121D -YX-146 KSA200BM	-YX-176
Model	Ou	ndoor l tdoor nit		-YX-073 KSA150BM	-YX-97 KSA200BX	-YX-120 KSA250BX	-YX-146 KSA200BM	-YX-176 KCA1050AX
	Ou U	tdoor nit	Model Qty	-YX-073 KSA150BM 2	-YX-97 KSA200BX 2	-YX-120 KSA250BX 2	-YX-146 KSA200BM	-YX-176 KCA1050AX
Rated 0	Ou U Coo l ing (tdoor nit Capacity	Model Qty kw	-YX-073 KSA150BM 2 71	-YX-97 KSA200BX 2 97	-YX-120 KSA250BX 2 120	-YX-146 KSA200BM 3 146	-YX-176 KCA1050AX 1 176
Rated (Ou U	tdoor nit Capacity Capacity	Model Qty kw kw	-YX-073 KSA150BM 2 71 38	-YX-97 KSA200BX 2 97 50	-YX-120 KSA250BX 2 120 65	-YX-146 KSA200BM 3 146 75	-YX-176 KCA1050AX 1 176 100
Rated (Our U Cooling G Heating	tdoor nit Capacity Capacity Volume	Model Qty kw kw kg/h	-YX-073 KSA150BM 2 71	-YX-97 KSA200BX 2 97	-YX-120 KSA250BX 2 120 65 43	-YX-146 KSA200BM 3 146	-YX-176 KCA1050AX 1 176
Rated (Our U Cooling 6 Heating	tdoor nit Capacity Capacity Volume er Suppl	Model Qty kw kw kg/h	-YX-073 KSA150BM 2 71 38	-YX-97 KSA200BX 2 97 50	-YX-120 KSA250BX 2 120 65 43 380V/3N~/50Hz	-YX-146 KSA200BM 3 146 75	-YX-176 KCA1050AX 1 176 100
Rated (Ou U Cooling (Heating iffication Pow	tdoor nit Capacity Capacity Volume er Suppl	Model Qty kw kw kg/h	-YX-073 KSA150BM 2 71 38 25	-YX-97 KSA200BX 2 97 50 35	-YX-120 KSA250BX 2 120 65 43 380V/3N~/50Hz	-YX-146 KSA200BM 3 146 75 54	-YX-176 KCA1050AX 1 176 100 60
Rated (Our U Cooling of Heating iffication Power Ref	tdoor nit Capacity Capacity Volume er Suppl rigerant /olume	Model Qty kw kw kg/h y	-YX-073 KSA150BM 2 71 38 25	-YX-97 KSA200BX 2 97 50 35	-YX-120 KSA250BX 2 120 65 43 380V/3N~/50Hz R22 24000	-YX-146 KSA200BM 3 146 75 54	-YX-176 KCA1050AX 1 176 100 60
Rated (Our U Cooling of Heating iffication Power Ref	capacity Capacity Volume er Suppl rigerant Volume Width	Model Qty kw kw kg/h y	-YX-073 KSA150BM 2 71 38 25 15000 1850	-YX-97 KSA200BX 2 97 50 35 20000 2150	-YX-120 KSA250BX 2 120 65 43 380V/3N~/50Hz R22 24000 2050	-YX-146 KSA200BM 3 146 75 54 30000 2170	-YX-176 KCA1050AX 1 176 100 60 37500 2570
Rated (Our U Cooling of Heating iffication Power Ref	tdoor nit Capacity Capacity Volume er Suppl rigerant /olume Width Height	Model Qty kw kg/h y m³/h mm	-YX-073 KSA150BM 2 71 38 25	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530	-YX-120 KSA250BX 2 120 65 43 380V/3N-/50Hz R22 24000 2050 1930	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270
Rated (Out U Cooling (Heating ification Power Ref	capacity Capacity Volume er Suppl rigerant Volume Width Height Length	Model Qty kw kw kg/h y m³/h mm mm	-YX-073 KSA150BM 2 71 38 25 15000 1850 1330	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530 Depends	-YX-120 KSA250BX 2 120 65 43 380V/3N-/50Hz R22 24000 2050 1930 On the Module Ar	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270 mount of Sections	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270
Rated (Our U Cooling (Heating ification Pow Ref Air \ Our O Comp	capacity Capacity Volume er Suppl rigerant Volume Width Height Length ressor T	Model Qty kw kw kg/h y m³/h mm mm ype*Qty	-YX-073 KSA150BM 2 71 38 25 15000 1850 1330 Scroll *2	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530 Depends	-YX-120 KSA250BX 2 120 65 43 380V/3N-/50Hz R22 24000 2050 1930 On the Module Ar	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270 mount of Sections Scroll*3	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270 Semi-hermetic Screw*1
Rated C Electric Humid	Our U Cooling (Heating ification Powman Ref Air V Our Cooper Coop	capacity Capacity Volume er Suppl rigerant Volume Width Height Length ressor T	Model Qty kw kw kg/h y m³/h mm mm ype*Qty kW	-YX-073 KSA150BM 2 71 38 25 15000 1850 1330 Scroll *2 11.6	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530 Depends Screen 17.6	-YX-120 KSA250BX 2 120 65 43 380V/3N~/50Hz R22 24000 2050 1930 On the Module Ar	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270 mount of Sections Scroli*3 17.6	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270 Semi-termetic Screw*1 62.1
Rated C Electric Humid	Our U Cooling of Heating ification Power Ref Air V Our Cooling Comp Cooling Our Cooling Ou	capacity Capacity Volume er Suppl rigerant Volume Width Height Length ressor T	Model Qty kw kw kg/h y m³/h mm mm ype*Qty kW	-YX-073 KSA150BM 2 71 38 25 15000 1850 1330 Scroll '2 11.6 305	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530 Depends Screen 17.6 480	-YX-120 KSA250BX 2 120 65 43 380V/3N~/50Hz R22 24000 2050 1930 On the Module Ar 50II *2 19.8 532	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270 mount of Sections Scroll*3 17.6 480	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270 Semi-hermetic Screw*1 62.1 2050
Rated C Electric Humid	Our U Cooling of Heating ification Power Ref Air V Our Cooling Comp Cooling Our Cooling Ou	capacity Capacity Capacity Volume er Suppl rigerant Volume Width Height Length ressor Tig Input ower eight Length	Model Qty kw kw kg/h y m³/h mm mm ype*Qty kW kg mm	-YX-073 KSA150BM 2 71 38 25 15000 1850 1330 Scroll *2 11.6 305 1558	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530 Depends Sord 17.6 480 1080	-YX-120 KSA250BX 2 120 65 43 380V/3N-/50Hz R22 24000 2050 1930 On the Module Ar 19.8 532 1808	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270 mount of Sections Scroll*3 17.6 480 1808	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270 Semi-hermetic Screw*1 62.1 2050 2340
Rated C Electric Humid	Our U Cooling of Heating ification Power Ref Air V Our Cooling Comp Cooling Our Cooling Ou	capacity Capacity Volume er Suppl rigerant Volume Width Height Length ressor T ressor T rest Input Width Length Volume Length Width Length Length Length Length Length	Model Qty kw kw kg/h y m³/h mm mm ype*Qty kW kg mm mm	-YX-073 KSA150BM 2 71 38 25 15000 1850 1330 Scroll *2 11.6 305 1558 882	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530 Depends Screen 17.6 480 1080 1090	-YX-120 KSA250BX 2 120 65 43 380V/3N-/50Hz R22 24000 2050 1930 On the Module Ar old 19.8 532 1808 1090	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270 mount of Sections Scroll*3 17.6 480 1808 1090	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270 Semi-hermetic Screw*1 62.1 2050 2340 2232
Rated (Outure Cooling of Company Cooling of Company Cooling of Company Cooling Outure Co	Capacity Capacity Volume er Suppl rigerant Volume Width Height Length Viggraph Length Width Height Length Width Height Length	Model Qty kw kw kg/h y m³/h mm mm ype*Qty kW kg mm mm	-YX-073 KSA150BM 2 71 38 25 15000 1850 1330 Scroll *2 11.6 305 1558 882 1170	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530 Depends Scre 17.6 480 1090 1190	-YX-120 KSA250BX 2 120 65 43 380V/3N-/50Hz R22 24000 1930 On the Module Ar 101°2 19.8 532 1808 1090 1190	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270 mount of Sections Scroll*3 17.6 480 1808 1090 1190	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270 Semi-hermetic Screw*1 62.1 2050 2340 2232
Rated C Electric Humid	Our U Cooling of Heating ification Power Ref Air V Our Cooling Comp Cooling Our Cooling Ou	capacity Capacity Volume er Suppl rigerant Volume Width Height Length ressor T ressor T rest Input Width Length Volume Length Width Length Length Length Length Length	Model Qty kw kw kg/h y m³/h mm mm ype*Qty kW kg mm mm	-YX-073 KSA150BM 2 71 38 25 15000 1850 1330 Scroll *2 11.6 305 1558 882	-YX-97 KSA200BX 2 97 50 35 20000 2150 1530 Depends Screen 17.6 480 1080 1090	-YX-120 KSA250BX 2 120 65 43 380V/3N-/50Hz R22 24000 2050 1930 On the Module Ar old 19.8 532 1808 1090	-YX-146 KSA200BM 3 146 75 54 30000 2170 2270 mount of Sections Scroll*3 17.6 480 1808 1090	-YX-176 KCA1050AX 1 176 100 60 37500 2570 2270 Semi-hermetic Screw*1 62.1 2050 2340 2232



Isothermal&Isohumidity Unit Specification Chart

<u>_</u>		ndoor l	Jnit	KZS2721D -YX-225	KZS2824D -YX-258	KZW3027D -YX-310	KZW3427D -YX-355	KZW3530D -YX-430
Model	0	door	Model	KCA1067AX	KCA1078AX	KCA1093AX	KCA1108AX	KCA1130AX
_		nit	Qtv	1	1	1	1	1
Rated (Cooling C	Canacity	kw	225	258	310	355	430
	Heating			120	140	160	180	220
_	ification '		kg/h	65	80	90	100	120
Tiumiu		r Supply	_			380V/3N~/50Hz		
		igerant				R22		
		olume	m³/h	40000	50000	60000	70000	80000
- S	_	Width	mm	2770	2870	3100	3500	3600
Indoor Unit	utline	Height	mm	2270	2570	2900	2900	3200
2	Outline	Lenath	mm			On the Module A		
		essor Ty			•	nermetic Screw*1	mount of Cootions	
	Coolin	g Input	kW	75.3	82.8	105.7	118	139.9
ŧ		eight	kg	2580	2780	3570	3660	4100
į		Length	mm	2940	3100	4040	4040	4040
Outdoor Unit	Outline	Width	mm	2232	2232	2232	2232	2232
Out	δË	Height	mm	2370	2370	2500	2500	2880
	oter.	Liquid Pipe	mm(in)	28.6(1-1/8)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)	41.3(1-5/8)
	Piping Diameter	Gas	mm(in)	66.68(2-5/8)	79.4(3-1/8)	79.4(3-1/8)	79.4(3-1/8)	92(3-5/8)

Rated cooling capacity is measured at indoor 23°CDB/17°CWB outdoor 35°CDB.
Rated cooling cpacity doesn't take heat producing loss of indoor fan motor into consideration;
External static pressure could be provided by the user.

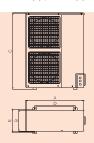
All specifications are subject to change by the manufacturer without prior notice.

Outdoor Unit Outline

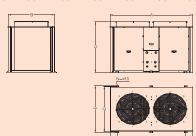
	KSA050B(R)X / KSA060B(R)X
A	940
В	350
С	1243
D	590
E	380

Outdoor Unit Outline

KSA050B(R)X/KSA060B(R)X



KSA075B(R)X/100B(R)X/ 125 B(R)X/150 B(R)X/150 B(R)M/200B(R)X/200B(R)M/250B(R)X/250B(R)M

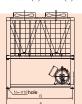


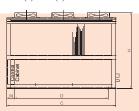
Model	Α	В	С	D	Е	F	N
KSA075B(R)X	1403	746	980	781	821	770	4
KSA100B(R)X	1403	746	980	781	821	810	4
KSA125B(R)X	1558	808	1170	842	882	880	4
KSA150B(R)X/B(R)M	1558	808	1170	842	882	880	4
KSA200B(R)X/B(R)M	1808	1018	1190	1050	1090	750p*2=1500	6
KSA250B(R)X/B(R)M	1808	1018	1190	1050	1090	750p*2=1500	6



Isothermal&Isohumidity Unit Outline Dimension

KCA1050A(R)X/KCA1067A(R)X/1078A(R)X/1093A(R)X/1108A(R)X1130A(R)X





Dimension	Α	В	С	D	Ι	М	N
1050A(R)X	2232	2150	2340	890px2=1780	2270	280	6
1067A(R)X	2232	2150	2940	840px3=2520	2370	210	8
1078A(R)X	2232	2150	3100	860px3=2580	2370	260	8
1093A(R)X	2232	2150	4040	1000px3=3000	2500	520	8
1108A(R)X	2232	2150	4040	1000px3=3000	2500	520	8
1130A(R)X	2232	2150	4040	1000px3=3000	2880	520	8

	Cooling	Heating
Indoor Return Air Temperature	18~32℃	10~30℃
Outdoor Ambient Temperature	18~45℃	-10~25℃

Note: 1. If the site temperature is out of the operation range, the unit protection device will be triggered.

2. If the condition doesn't fulfill, the unit need to be redesigned and customized to suit special application.

Functional Sections Schematic Diagram

Kingair medical purificatory modular air handling unit could provide you with different air handling functional sections, such as mixing box,air damper section, primary filter,sub-HEPA,HEPA,cooling coil,hot water coil,steaming heating coil, spraying section, humidifier, electronic purification, ultraviolet sterlizing lamp, ozone generator, rotary dehumidifier, heat recovery section, electric heating section, fan & motor section and etc. User could choose a reasonable combination according to different requirements We will manufacture the product with optimal performance to control the temperature, humidification and cleaning degree.



Air Damper Section











Functional Sections Schematic Diagram

Silencer Section











Ultraviolet Sterilizing Lamp









Normal Function Sections Combination

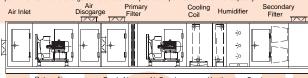
■ Normal functional combination of medical purificatory modular air handling unit (mixing box + primary filter + fan & motor + cooling coil + service space + heating + humidifier + service space + secondary filter/ultraviolet sterilizing lamp + air supply/ozone generator). The unit is equipped with primary and secondary filter where in there is the ultraviolet sterilizing lamp, effectively kill the bacteria after the filter section. An ozone generator is installed in the air supply section, tremendously improving the indoor air quality.



Cooling Coil Heating Coil Space ■ Normal combination in the clean room of pharmaceutical factory

Service Ultraviolet Sterilizing

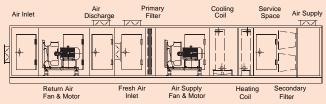
(air inlet + return air fan & motor + air discharge + fresh air inlet + primary filter + air supply fan & motor + cooling coil + heating coil + humidifier + service space + secondary filter/ultraviolet sterilizing lamp + air outlet) Both return air fan and air discharge fan are working at the same time. The air then is discharged through the air damper which can handle large air volume and improve the purification and filter capacity.



Air Supply

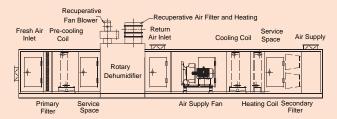
Normal combination in the clean room of pharmaceutical factory

(air inlet + return air fan & motor + air discharge + fresh air inlet + primary filter + air supply fan & motor + cooling coil + heating coil + service space + secondary filter/ultraviolet sterilizing lamp + air outlet) The unit is basically equipped with cooling and heating devices without humidifier, and widely applied where is no need of humidification.



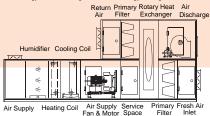
Normal combination in the clean room of pharmaceutical factory

(fresh air inlet + primary filter + pre-cooling coil + service space + rotary dehumidifier + return air + air supply fan & motor + cooling coil + heating coil + service space + secondary filter + air supply) The unit is basically equipped with cooling coil section and heating coil, otherwise there is a rotary dehumidifier applied where need dehumification.



Normal combination with heat recovery

(upper layer: return air + primary filter + rotary heat exchanger + air discharge) (lower layer: fresh air + primary filter + rotary heat exchanger + service space + air supply + cooling coil + heating coil + humidifier + air supply)) The unit is attached with heat recovery device which is used to exchange the heat between the fresh air and return air,making full use of the energy of air discharge to achieve energy-saving.



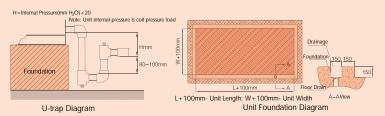
Function Section Length and Weight Chart (Casing)

	Cabinet's Empty Section Weight (kg)														
Model KZE/KZS/KZW	Panel Thickness 25mm						Panel Thickness 35mm Panel Thickness 50mm								
	End Panel	300	600	900	1200	End Panel	300	600	900	1200	End Panel	300	600	900	1200
0606	4	25	38	52	72	5	27	40	55	76	6	32	47	62	86
0906	6	31	49	66	84	7	31	50	68	87	8	34	55	76	97
1206	8	33	53	72	91	9	34	54	74	94	10	37	60	83	106
0909	9	38	58	77	96	10	39	59	79	99	10	42	65	88	111
1209	12	40	62	83	104	13	41	63	85	107	13	45	70	96	121
1509	14	43	66	88	111	15	44	67	91	115	16	48	75	103	131
1212	15	48	71	93	116	16	49	72	96	120	17	53	81	108	136
1512	18	50	75	99	123	19	51	76	102	128	20	56	86	116	146
1812	21	52	78	105	131	23	53	81	108	136	24	59	91	123	156
21 12	25	55	82	110	138	26	56	85	114	144	27	61	96	131	166
1515	23	57	84	110	136	23	58	86	113	141	24	64	96	128	161
1815	27	60	88	115	143	27	61	90	119	149	29	67	101	136	171
21 15	31	62	91	121	151	32	63	94	125	156	33	69	106	143	180
2415	35	64	95	127	158	36	66	98	131	164	37	72	112	151	190
1919	35	70	101	132	162	36	72	104	136	168	37	78	117	155	194
21 19	38	72	103	135	167	39	73	106	140	174	40	80	120	160	200
2419	43	74	107	141	174	44	76	111	146	181	45	83	125	168	210
27 19	50	76	111	147	182	49	78	115	152	189	51	86	131	175	220
2222	47	80	114	148	182	46	81	117	153	189	48	89	132	175	218
2422	51	81	116	152	187	50	83	120	157	194	52	91	136	180	225
2722	57	84	120	157	194	56	85	124	163	202	58	94	141	188	235
3022	63	86	124	163	201	62	88	128	168	210	63	97	146	195	245
2525	59	89	127	164	202	59	91	130	170	210	60	100	148	195	243
2725	65	91	129	168	206	63	93	133	174	215	65	102	151	200	250
3025	72	93	133	174	214	69	95	137	180	223	71	105	156	208	259
3325	79	95	137	179	221	76	98	142	185	231	78	108	161	215	269
3625	86	98	141	185	228	82	100	146	191	239	84	110	167	223	279
3628	95	105	150	196	241	91	107	155	202	251	94	118	177	235	294
3928	104	107	154	201	248	99	110	159	208	259	101	121	182	243	304
4530	122	117	168	220	271	120	120	174	228	283	123	132	199	266	333
4830	135	119	172	225	278	128	122	178	234	291	131	135	205	274	343
4533	133	124	177	230	283	132	127	183	239	296	134	140	210	279	348
4833	147	126	181	236	291	140	129	187	245	304	143	143	215	286	358
4536	144	131	186	241	296	143	134	192	250	309	146	148	220	292	363
4836	159	134	190	247	303	152	137	196	256	317	155	151	225	299	373
5136	171	136	194	252	310	161	139	200	262	325	164	154	230	307	383
5436	181	138	198	258	318	170	142	205	268	333	173	157	236	314	393
5736	191	141	202	264	325	179	144	209	274	340	182	160	241	322	402
6036	200	143	206	269	332	188	146	213	280	348	191	163	246	329	412
6636	220	158	227	296	365	207	161	234	308	383	210	180	271	362	453



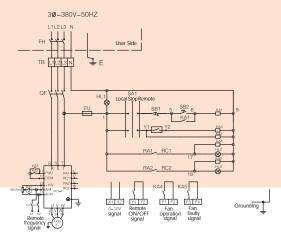
Unit Installation

- Ensure the unit installation base ground is leveled.
- Leave sufficient space around the unit especially for piping installation and servicing panel side. (Proposed not less than 1m), for daily maintenance application.
- To avoid air leak from condensation drain pipe, a U-trap must be applied before connecting with the external installed pipe.
- Please connect the piping according to the factory operation guide label of the unit. During connection, apply an even force and not exceed force to avoid damage done to the internal structure of the unit.
- Standard power supply is 380V/50Hz three phases with four wire.Before connecting to the input power supply,make sure the supply voltage fulfill the label requirement.No phase shortage and unstable supply voltage allowed. Check whether the blowing wheel is rotating in the correct direction.
- All the motors should be equipped with an overload protector.
- Flexible connector should be applied on the external duct and water pipe connection to avoid any vibration transmission.



Wiring

Variable Frequency Control Box



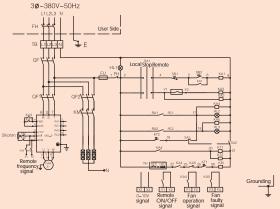
Note: Dotted Line--User Connection

QF: Low Voltage Circuit Breaker SB1: Stop Button SB2: Start Button FU: Fuse VFD-F: Delta Converter KA: Indimediate Relay HL1: Power Indicator Lamp HL2:Running Indicator Lamp HL3: Faulty Indicator Lamp SA: Switch FAN: Fan Motor

Wiring

The electrical heater provided as a frame structural, complete internal wiring and with standby power supply socket that according to the unit label instruction. For electrical heater control wiring, please refer to below diagram.

Variable Frequency Control Box with Electric Heater



Note: Dotted Line--User Connection

QF-Low Voltage Circuit Breaker VFD-F: Delta Conveter SB1- Stop Button SB2- Start Button FU: Fuse FH-Fire Proof Valve KM: Contactor KT2- Off Delay Time Relay KT1- On Delay Time Relay KA-Intermediate Relay

HL1: Power Indicator Lamp HL2:Running Indicator Lamp HL3: Faulty Indicator Lamp SA: Switch FAN: Fan Motor

During power on, the on delay timer relay set as minimum 30 seconds, else the off delay timer set as minimum 180 seconds

Warning: Electrical heater thermostat must connect with the blower motor and electrical heater interlocking control circuit, no circuit is allowed. After fan motor operating normally,then the electrical heater will be activated. When the unit stops, electrical heater cut off first for 3 minutes, then the blower motor will stop.

In the control design, the humidifier and other components' wiring diagram will refer to unit wiring diagram. Take attention for:

Humidifier and other components must interlock with fan motor. When the motor starts, then the humidifier can be activated; else after cut off the humidifier then can stop the fan motor; if the unit's air discharge outlet and air duct are provided with electrical air damper, the air damper must cut in first before

If the unit's air discharge outlet and air duct are provided with electrical air damper, the air damper must out in first before the motor operating. Else, the motor stop operating, then the air damper can close. It will ensure when then fan blower operates the air damper of the duct is under normal condition.

Warning: All electrical components must comply with the safety grounding, no neutral grounding is allowed. Wrong wiring will lead to explosion, fire and body injure!

Warning: Must ensure the steam coil will close the steam valve before the fan blower stop operating!

Operation & Maintenance

- Before the unit operation,check the water pipe valves system and duct equipment.Make sure everything is under good condition.
- Check the fan motor and blower moving parts regularly for their connection, operation and rotating direction. Readjust it if necessary.
- Washable primary filter should be washed either by clean water or detergent according to surrounding environment's cleanliness level.
- Secondary filter should be changed or washed when the air flow resistance becomes double of that at the initial stage.
- During winter,coil water should be drained out if not operating. If the unit needs to operate during winter time, make sure when the unit stops running, the coil water must circle the system and the fresh air damper must be closed to prevent coil freezing. If the unit stops operation for a long duration, coil water must be drained out.
- Clean soft water must be used for chilled water and hot water system. Every two years, water chemical treatment must be performanced to eliminate the contamination in the system and apply compressed air or water for cleaning the fin coil surface.

For more detail about installation, operation, maintenance and etc, please refer to the user manual.