



PURIFYING AIR CONDITIONING

净化空调



COMBINED PURIFICATION AIR CONDITIONING UNIT
组合式净化空调机组

PRODUCT OVERVIEW

产品概述

Product Overview: A modular air purification system is an air treatment unit comprising multiple functional modules, including fresh air–return mixing, primary filtration, surface cooling dehumidification, heating, humidification, secondary return air mixing, fan, flow distribution, medium–efficiency filtration, sub–high–efficiency filtration, sterilization, supply air, and main unit. These modules work in concert to process air through one or more stages, achieving the desired operational conditions.

The modular air purification system, with its flexible configurations and versatile functions, meets the air purification and regulation needs of various industries. Widely used in industrial HVAC projects for electronics, precision machinery, pharmaceuticals, food processing, light industry, and chemical plants, it also serves as a preferred solution for comfort–focused HVAC systems in large and medium–sized public buildings, including research facilities, restaurants, hotels, hospitals, shopping malls, exhibition halls, and theaters.

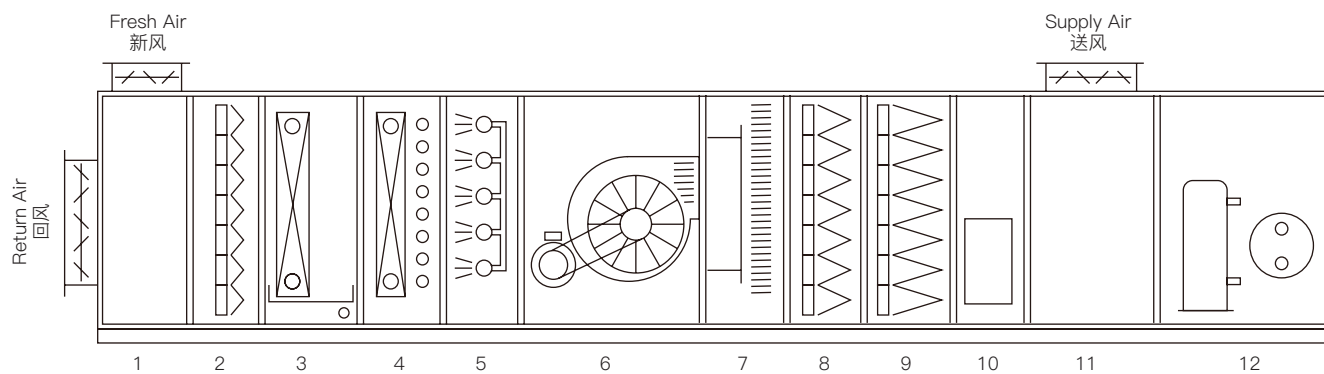
Structure diagram of each functional section in the combined purification air conditioning unit

产品简介组合式净化空调机组就是由各种对空气处理功能段：新回风混合段、初效过滤段、表冷除湿段、加热段、加湿段、二次回风混合段、风机段、均流段、中效过滤段、亚高效过滤段、杀菌段、送风段、主机段等中的任意几段组装而成的空气处理设备，通过机组功能段对空气进行一种或几种处理来达到所要求的工况。

应用场景组合式净化空调机组因其组合随意，功能多样，能满足各行各业的空气净化和调节系统的需要，该产品广泛应用于电子仪表、精密机、制药、食品、轻工、化工等企业的工业性空调净化工程，也多用于科研大楼、餐厅、宾馆、医院、商厦、展馆、剧场等大中型公共建筑的舒适性集中空调工程。

product model			J25	J30	J40	J50	J60	J70	J80	J90	J100
refrigerating output	refrigerating output	KW	25.6	31.3	42	53	60	70	80	90	104
	refrigerating capacity	KW	23.1	30.3	40	50	58.3	68.9	79.5	89	100
compression engine	form		rotor / scroll								
	quantity		1	1	2	2	2	2	2	2	3
fan	type		AC/EC backward-curved centrifugal fan								
	blowing rate	m³/h	6150	10040	12000	13550	14580	15470	20000	22000	24000
	quantity		2	2	2	2	2	2	2	2	2
calorifier	form		PTC electrical heating								
	heat capacity	KW	12	12	18	18	24	24	24	30	30
humidifier	form		electrode humidification								
	humidification capacity	kg/h	9	9	9	13	13	13	13	13	25
air filter			primary and secondary filters								
unit size	width	mm	1350	1350	1900	1900	2300	2300	2300	2800	2800
	degree of depth	m m	1650	1650	1750	1750	2000	2000	2000	2200	2200
	altitude	m m	1550	1550	1750	1750	2300	2300	2300	2550	2550
weight	Indoor unit (air-cooled)	kg	295	330	140	145	150	180	245	295	330
	Indoor unit (water-cooled)	kg	260	300	120	125	130	150	220	260	300
Distribution parameters	Power supply specifications		380V 50HZ								
	recommended circuit breaker	D	D63	D63	D32	D32	D32	D63	D63	D63	D63
	Cabling specifications	mm²	3*10+2*4	3*10+2*4	5*4	5*6	5*6	5*6	3*10+2*4	3*10+2*4	3*10+2*4
an outdoor unit	model		J25W	J30W	J40W	J50W	J60W	J70W	J80W	J90W	J100W
	quantity		1	1	2	2	2	2	2	2	2
	weight	kg	100	100	50	50	50	100	100	100	100
	Cabling specifications	mm2	3*2.5	3*2.5	3*1.5	3*1.5	3*1.5	3*2.5	3*2.5	3*2.5	3*2.5
	width	m m	850	850	850	850	850	850	850	1470	2100
	degree of depth	m m	550	550	550	550	550	550	550	750	1100
	altitude	m m	1600	1600	800	800	800	1600	1600	1075	1100

产品型号			J25	J30	J40	J50	J60	J70	J80	J90	J100
制冷量	制冷量	KW	25.6	31.3	42	53	60	70	80	90	104
	显冷量	KW	23.1	30.3	40	50	58.3	68.9	79.5	89	100
压缩机	形式		转子 / 涡旋式								
	数量		1	1	2	2	2	2	2	2	3
风机	类型		AC/EC 后倾离心风机								
	风量	m³/h	6150	10040	12000	13550	14580	15470	20000	22000	24000
	数量		2	2	2	2	2	2	2	2	2
加热器	形式		PTC 电加热								
	加热量	KW	12	12	18	18	24	24	24	30	30
加湿器	形式		电极加湿								
	加湿量	kg/h	9	9	9	13	13	13	13	13	25
空气过滤器			初效 + 中效过滤器								
机组尺寸	宽度	mm	1350	1350	1900	1900	2300	2300	2300	2800	2800
	深度	m m	1650	1650	1750	1750	2000	2000	2000	2200	2200
	高度	m m	1550	1550	1750	1750	2300	2300	2300	2550	2550
重量	室内机 (风冷)	kg	295	330	140	145	150	180	245	295	330
	室内机 (水冷)	kg	260	300	120	125	130	150	220	260	300
配电参数	电源规格		380V 50HZ								
	推荐断路器	D	D63	D63	D32	D32	D32	D63	D63	D63	D63
	配线规格	mm²	3*10+2*4	3*10+2*4	5*4	5*6	5*6	5*6	3*10+2*4	3*10+2*4	3*10+2*4
室外机	型号		J253 W	J30W	J40W	J50W	J60W	J70W	J80W	J90W	J100W
	数量		1	1	2	2	2	2	2	2	2
	重量	kg	100	100	50	50	50	100	100	100	100
	配线规格	mm2	3*2.5	3*2.5	3*1.5	3*1.5	3*1.5	3*2.5	3*2.5	3*2.5	3*2.5
	宽度	m m	850	850	850	850	850	850	850	1470	2100
	深度	m m	550	550	550	550	550	550	550	750	1100
	高度	m m	1600	1600	800	800	800	1600	1600	1075	1100



1	2	3	4	5	6	7	8	9	10	11	12
mixing section	primary filter section	primary filter section	heating zone	humidifier section	fan section	uniform flow section	medium efficiency filter section	sub-effective filtration section	sterilization zone	outflow section	host segment
混合段	初效过滤段	表冷除湿段	加热段	加湿段	风机段	均流段	中效过滤段	亚高效过滤段	杀菌段	出风段	主机段



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