



DIRECT EXPANSION UNIT

直膨式机组



DIRECT EXPANSION UNIT
直膨式机组

PRODUCT FEATURES

产品特点

The unit has a compact structure and comes with its own cold and heat source. It is an air-cooled direct expansion air conditioning equipment. The entire air conditioning system consists only of outdoor units and indoor air ducts, without the need for cooling water and chilled water systems. It is easy to install and use, saving users' investment, and is especially suitable for water-scarce areas.

There are no moving machinery or water pipes in the indoor air conditioning system, avoiding noise and water leakage troubles.

The unit is designed for outdoor installation on roofs or open spaces. It has properties such as sun protection, rust resistance, and rain protection. At the same time, it can save the costs of air conditioning machine rooms and civil engineering projects.

The refrigeration system of the unit is efficient and reliable, which can meet various types of air conditioning requirements. Both the evaporator and condenser adopt finned heat exchangers with high heat transfer efficiency.

The unit is equipped with a full computer control system, featuring a high degree of automation. Moreover, the electrical connections of the unit are compact, and only a small number of control lines and main power lines need to be connected on site.

机组结构紧凑，自带冷热源，为风冷直接蒸发膨胀式空调设备，整个空调系统仅由室外主机和室内风管组成，无需冷却水及冷冻水系统，安装使用简便，节省用户投资，尤其适合缺水地区。

空调室内系统无运动机械及水管，避免了噪音和漏水烦恼。

机组设计为屋顶或室外空地露天安装使用，具有防太阳暴晒，防锈蚀、防雨等性能，同时可节省空调机房和土建工程费用。

机组的制冷系统高效可靠，可满足各种类型的空调要求，蒸发器和冷凝器均采用翅片式换热器，传热效率高。

机组自带全电脑控制，自动化程度高，而且机组电器连接紧凑，现场只需连接少量的控制线和主电源线即可。

TECHNICAL PARAMETERS – 1

技术参数 – 1

Serial No.	Name	Model	Air Volume (m³/h)	Power (Kw)	Static Pressure (Pa)	Noise (dB)	Overall Dimensions (Length×Width×Height) (mm)	Air Inlet (mm)	Air Outlet (mm)	Indoor Unit Heating Capacity (KW)	Indoor Unit Heating Capacity (KW)	Control System	Outdoor Unit	Outdoor Unit Cooling Capacity (KW)	Outdoor Unit Heating Capacity (KW)
序号	名称	型号	风量 (m³/h)	功率 (Kw)	余压 (Pa)	噪音 (dB)	外形尺寸 长宽高 (mm)	进风口 (mm)	出风口 (mm)	室内机制热量 (KW)	室内机制冷量 (KW)	控制系统	室外机	室外机制冷量 (KW)	室外机制热量 (KW)
1	Direct Expansion Combined Unit	RNZK-15R	1500	1.8	400	50	2600 1000 900	600* 400	400* 300	9.00	7.60	Single-chip Microcomputer + 7-inch Large Screen	3 HP	9.00	7.60
1	直膨式组合式机组	RNZK-15R	1500	1.8	400	50	2600 1000 900	600* 400	400* 300	9.00	7.60	单片机+7英寸大屏	3 匹	9.00	7.60
2	Direct Expansion Combined Unit	RNZK-20R	2000	1.8	400	50	2600 1000 900	600* 400	400* 300	15.00	13.50	Single-chip Microcomputer + 7-inch Large Screen	5 HP	15.00	13.50
2	直膨式组合式机组	RNZK-20R	2000	1.8	400	50	2600 1000 900	600* 400	400* 300	15.00	13.50	单片机+7英寸大屏	5 匹	15.00	13.50
3	Direct Expansion Combined Unit	RNZK-30R	3000	2.2	420	55	2800 1000 1000	800* 400	400* 300	21.00	19.60	Single-chip Microcomputer + 7-inch Large Screen	7 HP	21.00	19.60
3	直膨式组合式机组	RNZK-30R	3000	2.2	420	55	2800 1000 1000	800* 400	400* 300	21.00	19.60	单片机+7英寸大屏	7 匹	21.00	19.60
4	Direct Expansion Combined Unit	RNZK-40R	4000	2.2	450	56	2800 1000 1000	800* 400	400* 300	24.00	22.80	Single-chip Microcomputer + 7-inch Large Screen	8 HP	24.00	22.80
4	直膨式组合式机组	RNZK-40R	4000	2.2	450	56	2800 1000 1000	800* 400	400* 300	24.00	22.80	单片机+7英寸大屏	8 匹	24.00	22.80

TECHNICAL PARAMETERS – 2

技术参数 – 2

Serial No.	Name	Model	Air Volume (m³/h)	Power (Kw)	Static Pressure (Pa)	Noise (dB)	Overall Dimensions (Length×Width×Height) (mm)	Air Inlet (mm)	Air Outlet (mm)	Indoor Unit Heating Capacity (KW)	Indoor Unit Heating Capacity (KW)	Control System	Outdoor Unit	Outdoor Unit Cooling Capacity (KW)	Outdoor Unit Heating Capacity (KW)
序号	名称	型号	风量 (m³/h)	功率 (Kw)	余压 (Pa)	噪音 (dB)	外形尺寸 长宽高 (mm)	进风口 (mm)	出风口 (mm)	室内机制热量 (KW)	室内机制冷量 (KW)	控制系统	室外机	室外机制冷量 (KW)	室外机制热量 (KW)
5	Direct Expansion Combined Unit	RNZK-50R	5000	3	500	57	3200 1100 1100	800*500	500*400	30.00	28.00	Single-chip Microcomputer + 7-inch Large Screen	10 HP	30.00	28.00
5	直膨式组合式机组	RNZK-50R	5000	3	500	57	3200 1100 1100	800*500	500*400	30.00	28.00	单片机+7英寸大屏	10 匹	30.00	28.00
6	Direct Expansion Combined Unit	RNZK-60R	6000	3	500	59	3400 1150 1200	800*500	500*400	36.00	34.60	Single-chip Microcomputer + 7-inch Large Screen	12 HP	36.00	34.60
6	直膨式组合式机组	RNZK-60R	6000	3	500	59	3400 1150 1200	800*500	500*400	36.00	34.60	单片机+7英寸大屏	12 匹	36.00	34.60
7	Direct Expansion Combined Unit	RNZK-70R	7000	3	520	60	3600 1200 1300	800*630	500*400	45.00	44.50	Single-chip Microcomputer + 7-inch Large Screen	15 HP	45.00	44.50
7	直膨式组合式机组	RNZK-70R	7000	3	520	60	3600 1200 1300	800*630	500*400	45.00	44.50	单片机+7英寸大屏	15 匹	45.00	44.50
8	Direct Expansion Combined Unit	RNZK-80R	8000	4	520	60	3600 1200 1300	800*630	500*400	60.00	58.80	Single-chip Microcomputer + 7-inch Large Screen	20 HP	60.00	58.80
8	直膨式组合式机组	RNZK-80R	8000	4	520	60	3600 1200 1300	800*630	500*400	60.00	58.80	单片机+7英寸大屏	20 匹	60.00	58.80

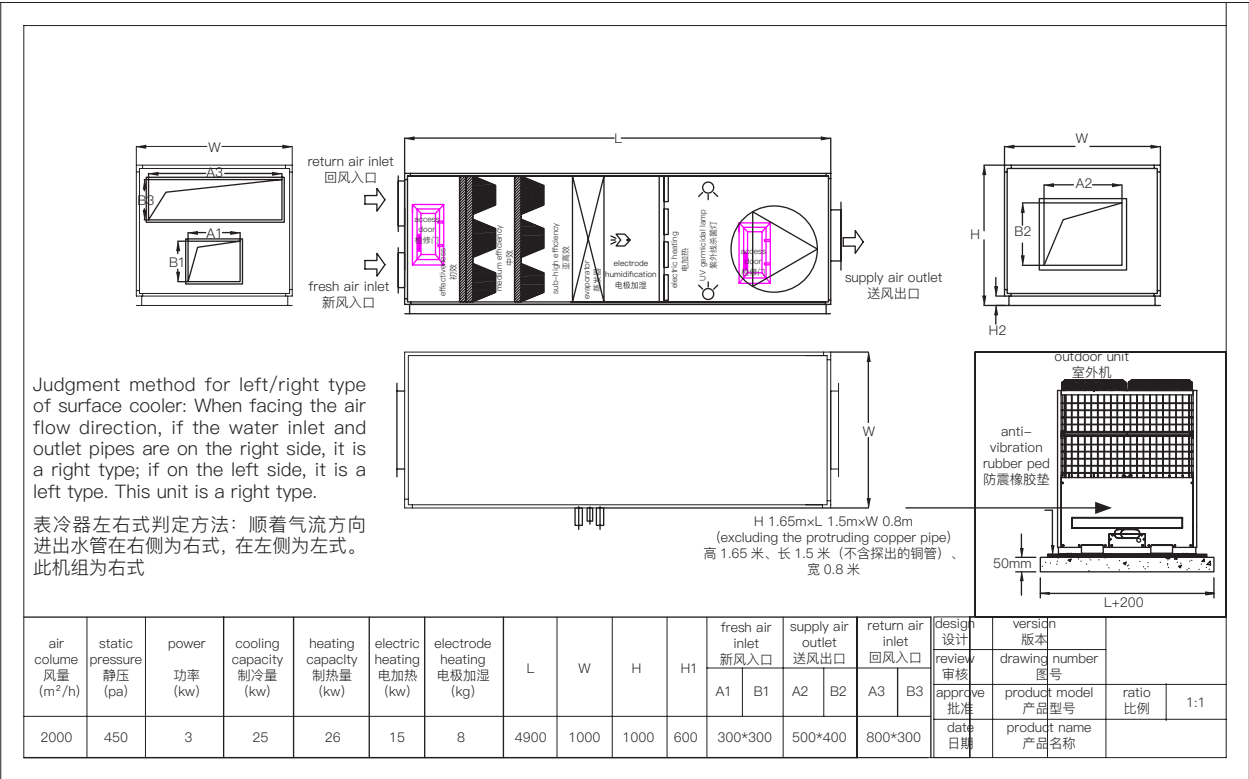
TECHNICAL PARAMETERS – 3

技术参数 – 3

Serial No.	Name	Model	Air Volume (m³/h)	Power (Kw)	Static Pressure (Pa)	Noise (dB)	Overall Dimensions (Length×Width×Height) (mm)	Air Inlet (mm)	Air Outlet (mm)	Indoor Unit Heating Capacity (KW)	Indoor Unit Heating Capacity (KW)	Control System	Outdoor Unit	Outdoor Unit Cooling Capacity (KW)	Outdoor Unit Heating Capacity (KW)
序号	名称	型号	风量 (m³/h)	功率 (Kw)	余压 (Pa)	噪音 (dB)	外形尺寸 长宽高 (mm)	进风口 (mm)	出风口 (mm)	室内机制热量 (KW)	室内机制冷量 (KW)	控制系统	室外机	室外机制冷量 (KW)	室外机制热量 (KW)
9	Direct Expansion Combined Unit	RNZK-100R	10000	7.5	600	62	3600 1300 1300	1000*630	550*400	75.00	73.50	Single-chip Microcomputer + 7-inch Large Screen	25 HP	75.00	73.50
9	直膨式组合式机组	RNZK-100R	10000	7.5	600	62	3600 1300 1300	1000*630	550*400	75.00	73.50	单片机 + 7英寸大屏	25 匹	75.00	73.50
10	Direct Expansion Combined Unit	RNZK-120R	12000	11	620	62	3800 1400 1300	1000*630	600*400	90.00	87.20	Single-chip Microcomputer + 7-inch Large Screen	30 HP	90.00	87.20
10	直膨式组合式机组	RNZK-120R	12000	11	620	62	3800 1400 1300	1000*630	600*400	90.00	87.20	单片机 + 7英寸大屏	30 匹	90.00	87.20
11	Direct Expansion Combined Unit	RNZK-150R	15000	11	620	64	4000 1600 1400	1200*630	630*500	120.00	115.60	Single-chip Microcomputer + 7-inch Large Screen	40 HP	120.00	115.60
11	直膨式组合式机组	RNZK-150R	15000	11	620	64	4000 1600 1400	1200*630	630*500	120.00	115.60	单片机 + 7英寸大屏	40 匹	120.00	115.60
12	Direct Expansion Combined Unit	RNZK-200R	20000	15	700	68	4200 1800 1400	1200*800	800*500	150.00	138.90	Single-chip Microcomputer + 7-inch Large Screen	50 HP	150.00	138.90
12	直膨式组合式机组	RNZK-200R	20000	15	700	68	4200 1800 1400	1200*800	800*500	150.00	138.90	单片机 + 7英寸大屏	50 匹	150.00	138.90

JUDGMENT METHOD FOR LEFT/RIGHT TYPE OF SURFACE COOLER

表冷器左右式判定方法

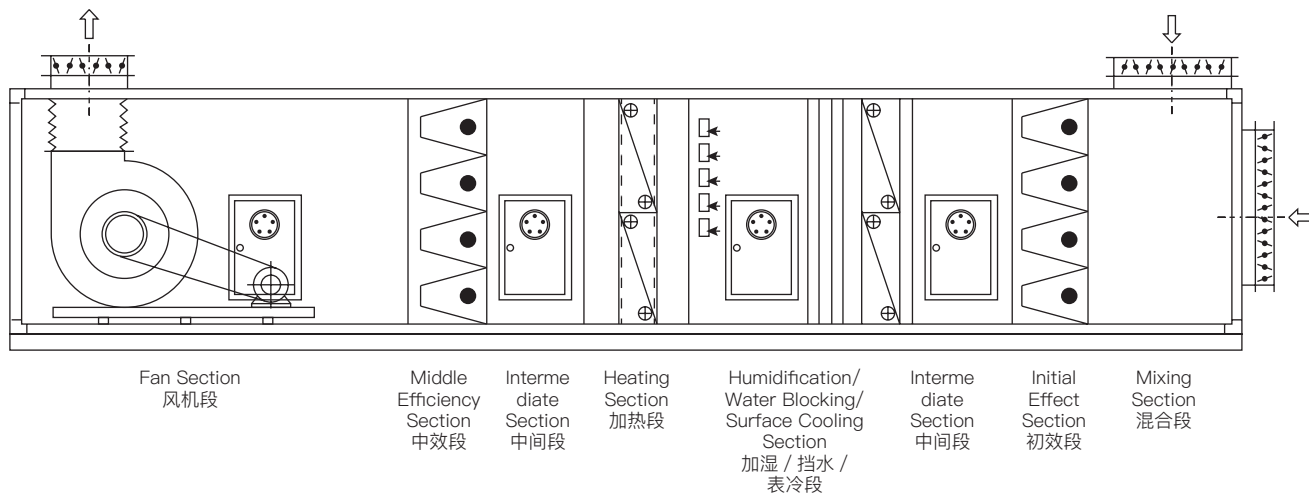
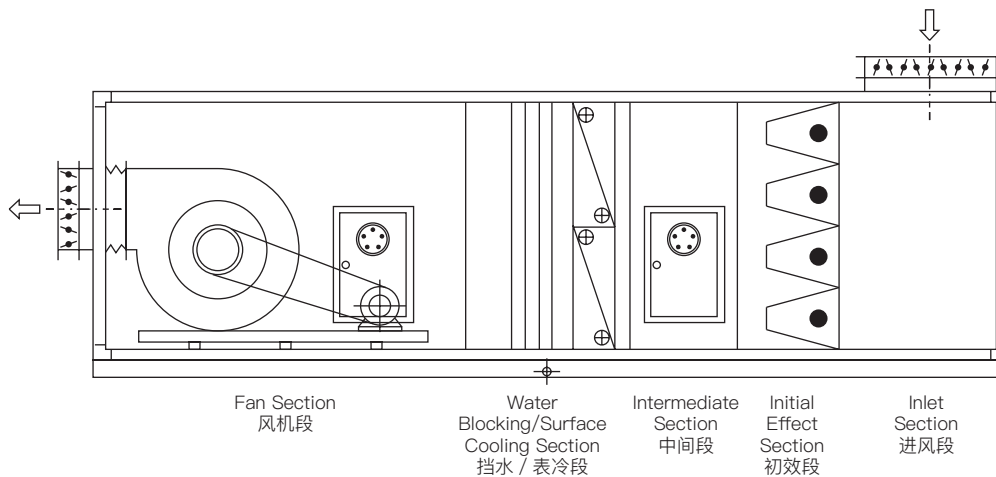


Determine left/right type along the air flow direction: if the water inlet and outlet pipes are on the right, it is the right type; if on the left, it is the left type. This unit is the right type.

顺着气流方向，进出水管在右侧为右式、在左侧为左式。此机组为右式。

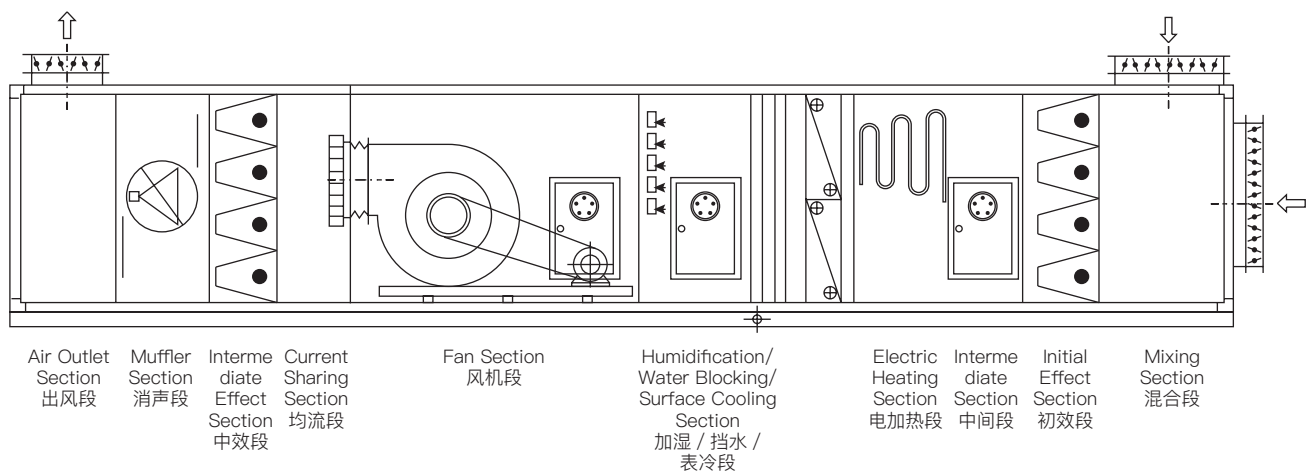
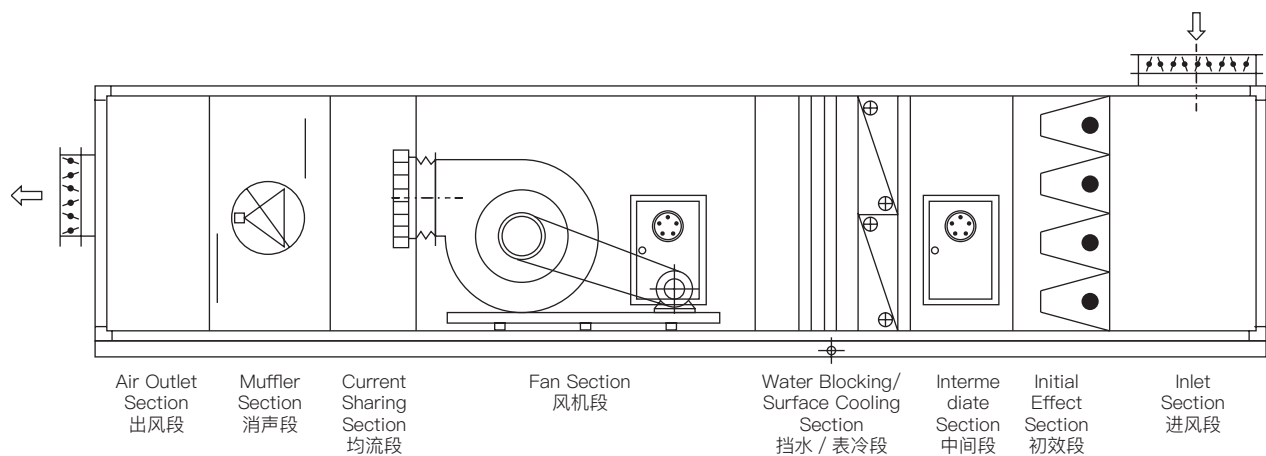
COMBINATION MODES

组合方式



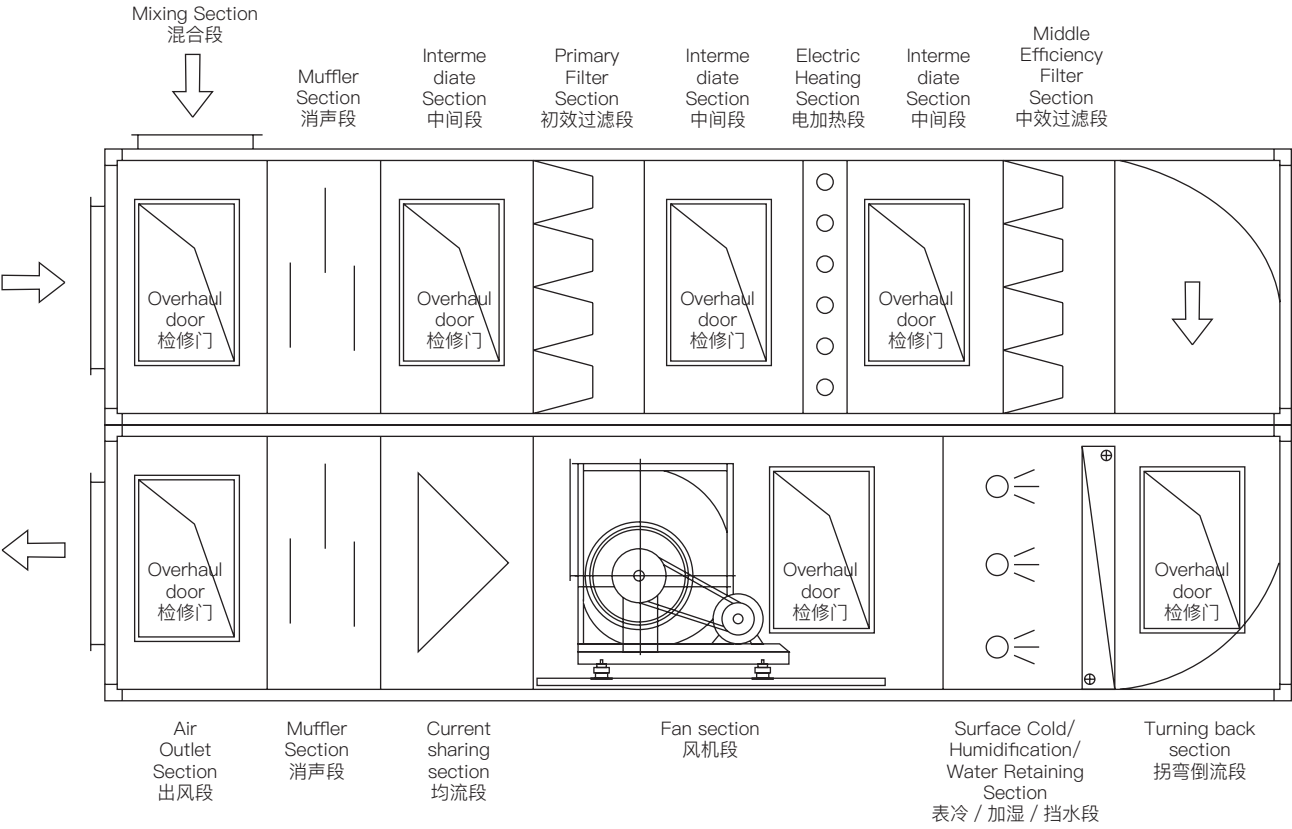
COMBINATION MODES

组合方式



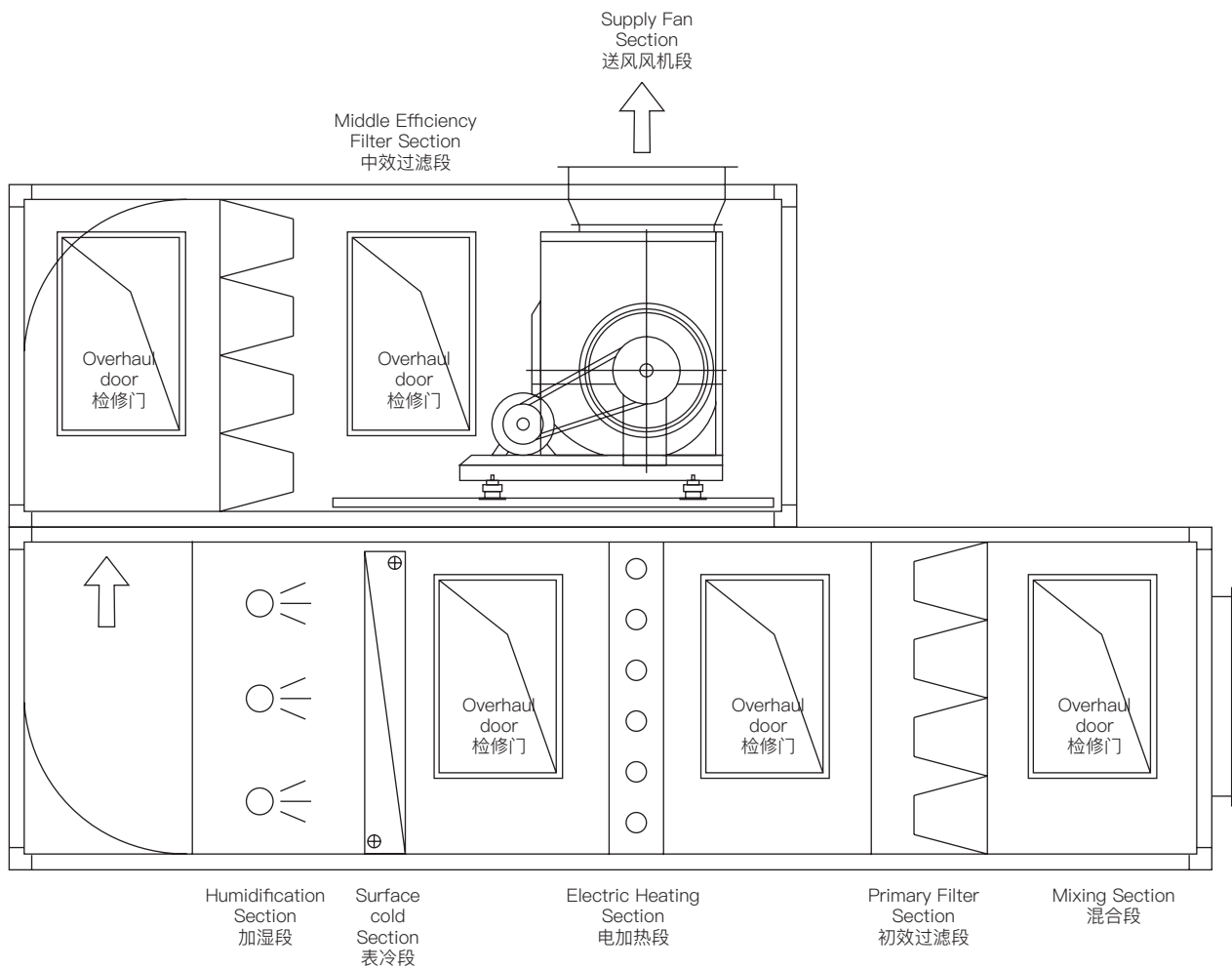
COMBINATION MODES

组合方式



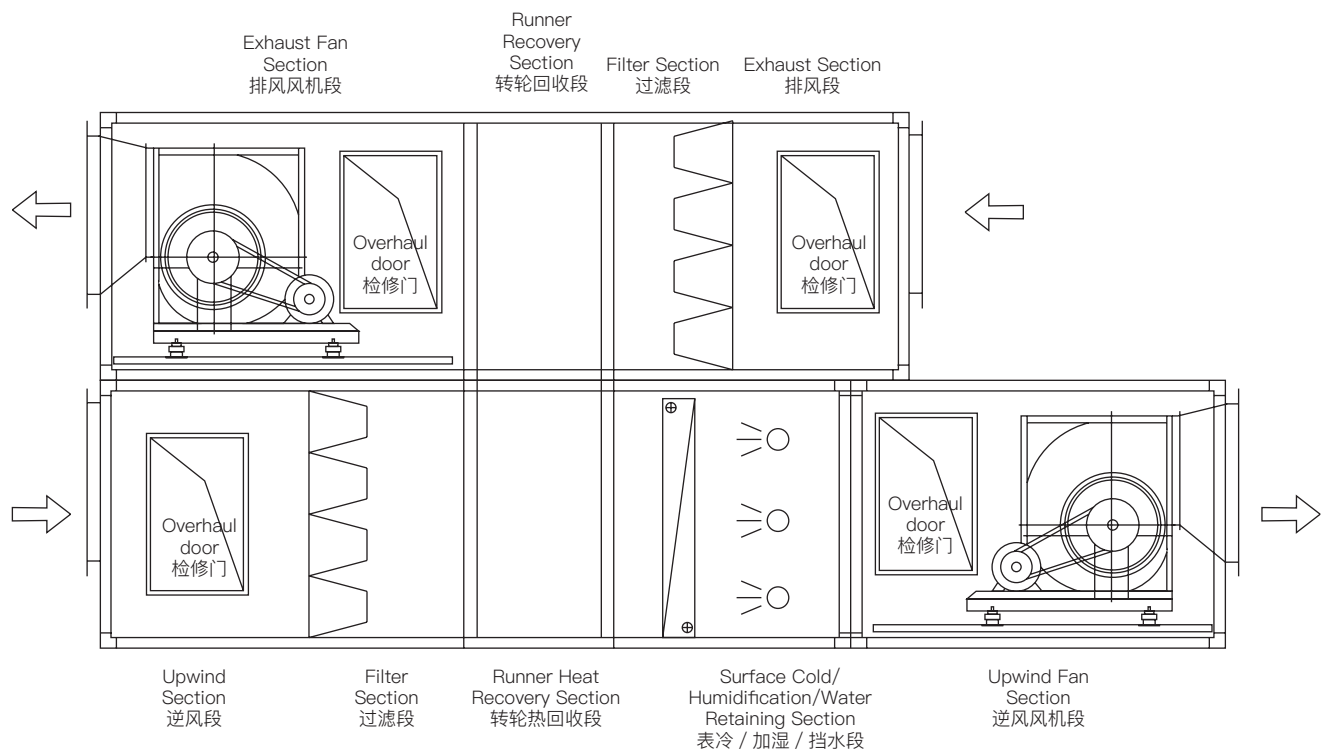
COMBINATION MODES

组合方式



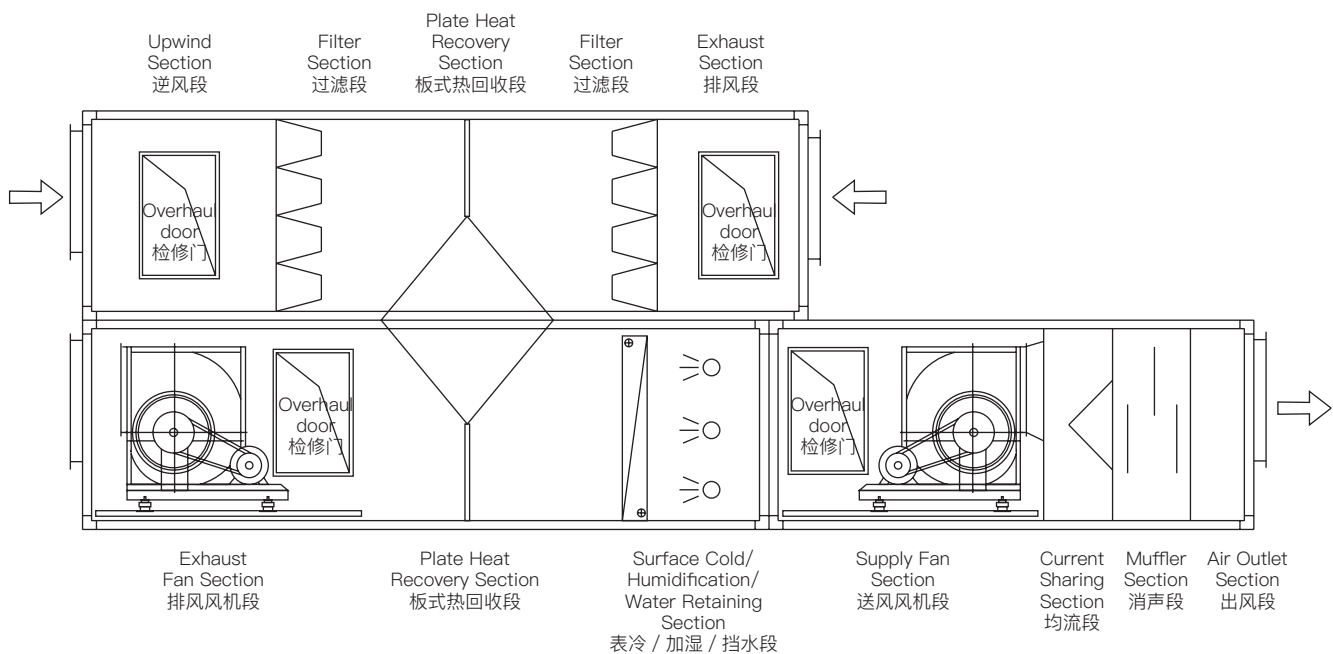
COMBINATION MODES

组合方式



COMBINATION MODES

组合方式





Supplier: Olyvent (Oulairuina) Equipment Co., Ltd.

Office Address: Room 105-194, 1st Floor, No. 610-1, Gutai South Road, Hunnan District, Shenyang Area, China (Liaoning) Pilot Free Trade Zone, Shenyang City, Liaoning Province, China

Manufacturing Address: D6, Luquan Qianmu Industrial Park, Dezhou, Shandong, China

Contact Person: Leon Zhao

Tel / WeChat: (+86) 139 0400 7173

Tel: (+86) 0534-6398555

Email: leon@olyvent.com

Made-in-China: hvac-trust.en.made-in-china.com