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RUIWANG
Expertise Manufacturer
OEM/ODM

- ✓ Scale Factory
- ✓ Quality Assurance
- ✓ Professional design team
- ✓ One-stop Services

30000⁺
Factory Area

50000⁺
Annual Output

200⁺
Employees

One-stop Service

Fast Delivery



DEHUMIDIFIER PRODUCT MANUAL

DEDICATED TO THE FIELD OF ENVIRONMENTAL CONTROL

Shandong Ruiwang Industrial Technology Co., Ltd.

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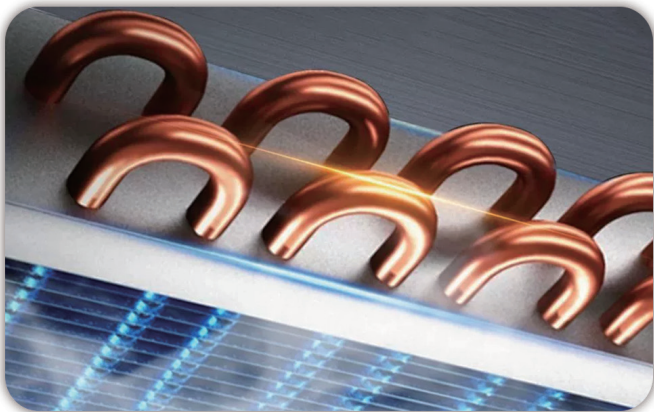
Email: rw02@rinwang.com

COMPANYPROFILE

Shandong Ruiwang Industrial Technology Co., Ltd., located in the beautiful Weifang, Shandong, covers an area of 38,500 square meters. The company's main business scope includes the research and development, manufacturing, and sales of industrial dehumidification equipment, commercial dehumidifiers, residential dehumidifiers, and humidifiers, among others. Dehumidifiers are widely used in living rooms, offices, library precision instrument rooms, hospitals, precious goods warehouses, pharmaceuticals, food, electronics, printing, basements, tea storage, textiles, drying rooms, cold chain warehouses, underground garages, and other places with specific humidity requirements. The company currently has more than 100 sets of professional production and testing equipment, with an annual production capacity of up to 50,000 dehumidifiers. We welcome you to visit, guide, and discuss business.



PRODUCTADVANTAGES



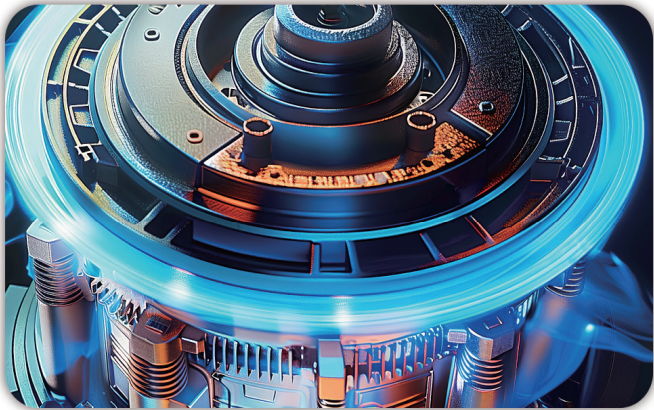
Efficient heat exchange system

- Efficient treatment of humid and hot air
- All-copper thickened and reinforced copper tube + hydrophilic film aluminum foil fins
- Increase the contact area with air
- Improve heat exchange efficiency and enhance dehumidification capability.



Efficient dehumidification branded compressor

- Cooling/Heating/Humidity Control/Air Delivery, one-key intelligent control
- High-efficiency rotary compressor, powerful performance, stable and efficient.
- Double wind path design with thicker and larger blades, allowing for greater and smoother airflow.
- The outlet temperature drops to 17°C with fully automatic wide-angle airflow and a broader coverage.



High-speed all-copper motor

- High-speed all-copper motor, farewell to noise, idle issues, rust, and other problems.
- Powerful suction, strong performance, lasting and surging power.
- Rapid dehumidification, dryness comes instantly.



Smart Agile Sensor

- Intelligent monitoring equipped with high-precision sensors.
- Quickly senses the air's humidity and temperature, precisely controlling the comfortable air to every second.
- Equipped with multiple protection technologies and anti-interference capabilities, it maintains rapid dehumidification at all times.
- Smart and agile, dehumidification is faster.

RW-601E/RW-901E/RW-1381E/RW-1581E

Characteristics and Functions of Environmental Humidity Control Systems

- World famous brand compressor with three minutes automatic delay protection
- Blue hydrophilic equipment with all-copper pipe design
- Fault code displayed in real time
- Supports scheduled power on/off and power failure memory
- Humidity adjustable range 10%-95% RH ±1% Accurate humidity control
- Water tank or Pipe water
- Automated frost



Model	RW-601E	RW-901E	RW-1381E	RW-1581E
Capacity (30°C, RH80%)	60L/D	90L/D	138L/D	158L/D
Voltage frequency	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Apply area	60-120m²	100-180m²	160-220m²	200-260m²
Power	850W	1600W	2100W	2600W
Fan	850m³/h	1200m³/h	1200m³/h	1400m³/h
Work Temperature	5°C-38°C	5°C-38°C	5°C-38°C	5°C-38°C
Control humidity	10%-95%	10%-95%	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22	R410a/R22	R410a/R22
Weight	32kg	44kg	45kg	56kg
Size	400×370×700mm	485×400×950mm	485×400×950mm	485×400×950mm



Full range display of commercial dehumidifiers

RW-1681E/RW-2481E/RW-2881E/RW-4881E
RW-6001E/RW-7201E/RW-9601E/RW-12001E

Characteristics and Functions of Environmental Humidity Control Systems

- World famous brand compressor with three minutes automatic delay protection
- Blue hydrophilic equipment with all-copper pipe design
- Fault code displayed in real time
- Supports scheduled power on/off and power failure memory
- Humidity adjustable range 10%-95% RH ±1% Accurate humidity control
- Automated frost

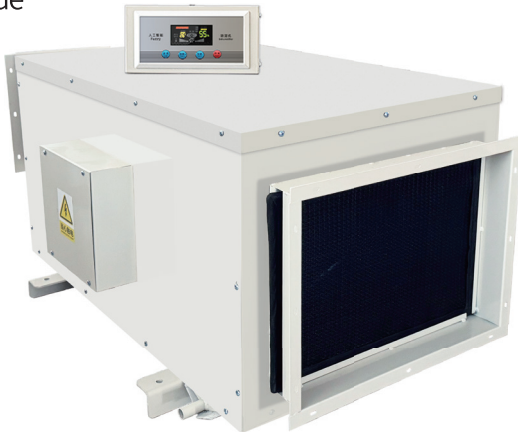


Model	RW-1681E	RW-2481E	RW-2881E	RW-4881E
Capacity (30°C, RH80%)	7kg/h	10kg/h	12kg/h	20kg/h
Voltage frequency	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Apply area	250-350m²	350-450m²	400-500m²	800-1000m²
Power	3.2kw	4.9kw	5.2kw	9.8kw
Fan	2000m³/h	2800m³/h	3000m³/h	5600m³/h
Work Temperature	5°C-38°C	5°C-38°C	5°C-38°C	5°C-38°C
Control humidity	10%-95%	10%-95%	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22	R410a/R22	R410a/R22
Weight	83kg	102kg	110kg	165kg
Size	610×405×1605mm	760×470×1620mm	760×470×1620mm	1170×445×1770mm

Model	RW-6001E	RW-7281E	RW-9681E	RW-12001E
Capacity (30°C, RH80%)	25kg/h	30kg/h	40kg/h	50kg/h
Voltage frequency	380V/50H	380V/50Hz	380V/50Hz	380V/50Hz
Apply area	1000-1200m²	1000-1500m²	1800m²以内	2000m²以内
Power	10kw	15kw	18kw	25kw
Fan	6000m³/h	8000m³/h	12000m³/h	15000m³/h
Work Temperature	5°C-38°C	5°C-38°C	5°C-38°C	5°C-38°C
Control humidity	10%-95%	10%-95%	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22	R410a/R22	R410a/R22
Weight	170kg	210kg	380kg	400kg
Size	1170×445×1770mm	1170×445×1770mm	1550×720×1950mm	1550×720×1950mm

RWDD-261E/RWDD-601E/RWDD-901E/RWDD-1381E
RWDD-1581E/RWDD-2481E/RWDD-2881E/RWDD-4881E
Characteristics and Functions of Environmental Humidity Control Systems

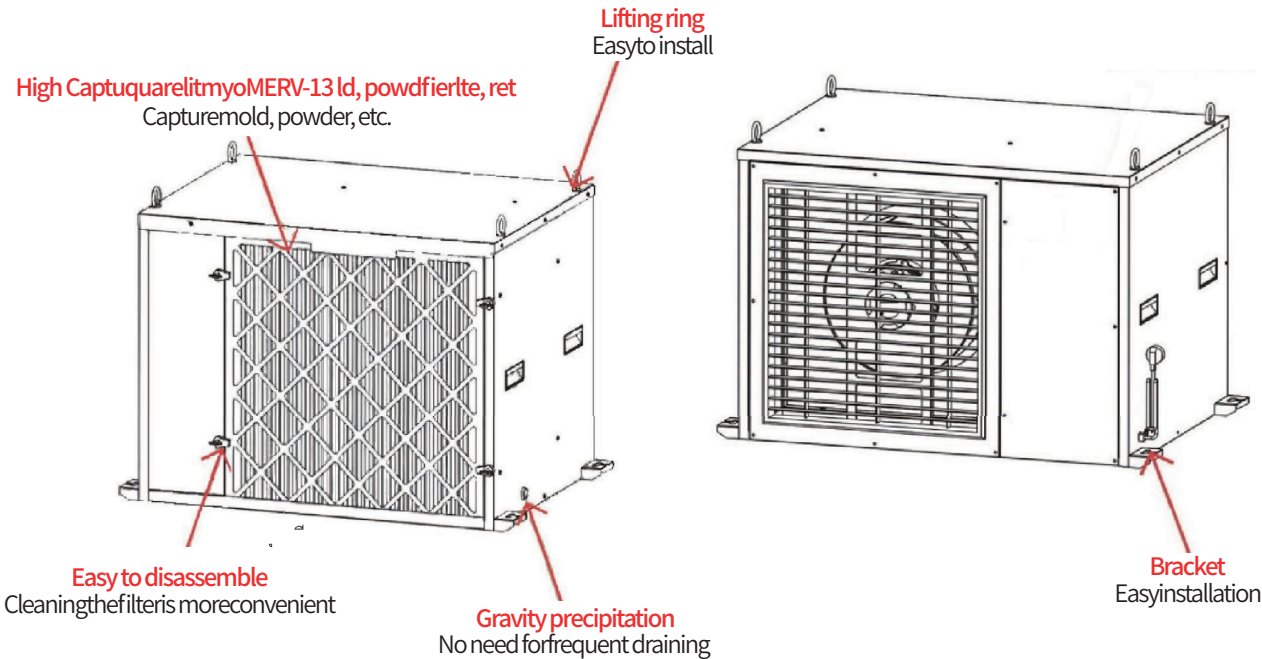
- World famous brand compressor with three minutes automatic delay protection
- Phase sequence/phase loss protection function Real-time display of fault code
- Support timed on/off and timed memory
- Extend the data cable to connect to the external control screen to display the ambint temperature and humidity in real time
- Humidity adjustable range 10%-95% RH±1% Humidity precise control
- Ceiling installation, can be connected to pipes, does not occupy floor space
- Support RS485 interface for multiple online control
- Hose connection Continuous drain Automatic defrosting



Model	RWDD-261E	RWDD-601E	RWDD-901E	RWDD-1381E
Capacity (30°C, RH80%)	20L/D	60L/D	90L/D	138L/D
Voltage frequency	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Apply area	20-35m²	50-80m²	90-120m²	100-150m²
Power	350W	850W	1600W	2100W
Fan	250m³/h	600m³/h	900m³/h	1100m³/h
Work Temperature	5°C-38°C	5°C-38°C	5°C-38°C	5°C-38°C
Control humidity	10%-95%	10%-95%	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22	R410a/R22	R410a/R22
Weight	27kg	35kg	40kg	42kg
Size	600×275×175mm	700×370×430mm	805×540×445mm	805×540×445mm

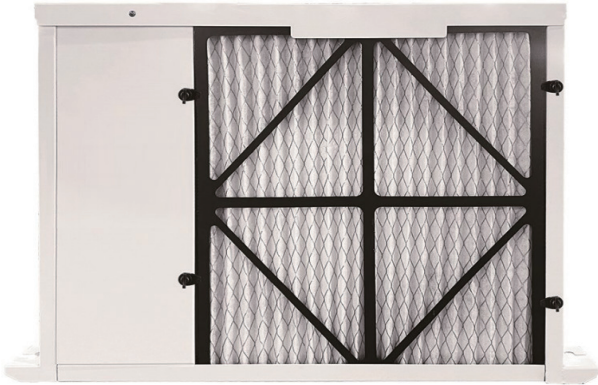
Model	RWDD-1581E	RWDD-2481E	RWDD-2881E	RWDD-4881E
Capacity (30°C, RH80%)	158L/D	248L/D	288L/D	488L/D
Voltage frequency	220V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Apply area	150-220m²	300-450m²	400-600m²	600-1000m²
Power	2600W	4900W	5500W	9800W
Fan	1200m³/h	2400m³/h	2800m³/h	5600m³/h
Work Temperature	5°C-38°C	5°C-38°C	5°C-38°C	5°C-38°C
Control humidity	10%-95%	10%-95%	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22	R410a/R22	R410a/R22
Weight	49kg	87kg	89kg	160kg
Size	940×580×480mm	1110×940×500mm	1110×940×500mm	1320×910×700mm

RWDD-225Pints/RWDD-355Pints/RWDD-506Pints



Characteristics and Functions of Environmental Humidity Control Systems

- World famous brand compressor with three minutes automatic delay protection
- Microchannel heat exchanger has high heat transfer efficiency and high energy saving
- Wind pressure detection, real-time display of fault codes
- Silent fan, low noise and stable operation
- Maintain excellent drying performance in low temperature environment High efficiency dehumidification
- Support Modbus protocol 485 communication protocol



Model	RWDD-225Pints	RWDD-355Pints	RWDD-506Pints
Capacity (30°C, RH80%)	225Pints(27° 60%RH)	335Pints(27° 60%RH)	506Pints(27° 60%RH)
Voltage frequency	220-240V/50/60Hz	220-240V/50/60Hz	220-240V/50/60Hz
Apply area	120-220m²	300-400m²	400-500m²
Power	1150w	1565w	2700w
Fan	1100m³/h	1500m³/h	2500m³/h
Work Temperature	4°C-45°C	4°C-45°C	4°C-45°C
Control humidity	10%-95%	10%-95%	10%-95%
Refrigeran	R410a/R22	R410a/R22	R410a/R22
Weight	69kg	98kg	155kg
Size	770×600×530mm	925×625×600mm	1220×735×800mm

RWGW-1681E/RWGW-2481E/RWGW-4881E
Characteristics and Functions of Environmental Humidity Control Systems

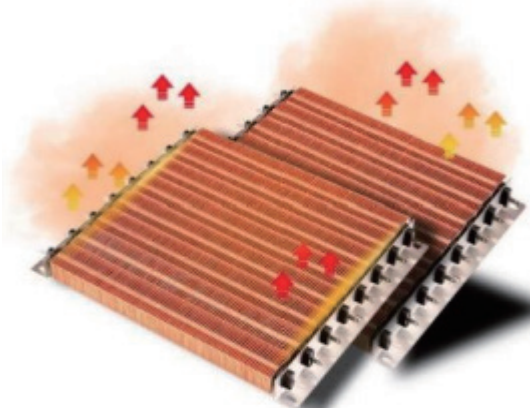
- World famous brand compressor with three minutes automatic delay protection
- Thickened internal thread copper tube Hydrophilic aluminum fins Operating temperature in high temperature environment
- Fault code real-time display
- High temperature resistant fan with strong wind power
- Timer power on/off, power off memory
- Humidity 10%-95% adjustable RH±1% humidity precise contro



Model	RWGW-1681E	RWGW-2481E	RWGW-4881E
Capacity(30°C,RH80%)	7kg/h	10kg/h	20kg/h
Voltage frequency	380V/50Hz	380V/50Hz	380V/50Hz
Apply area	60m²以内	100m²以内	200m²以内
Power	3.2kw	4.9kw	9.8kw
Fan	2000m³/h	2800m³/h	5600m³/h
Work Temperature	5°C-60°C	5°C-60°C	5°C-60°C
Control humidity	10%-95%	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22	R410a/R22
Weight	83kg	102kg	165kg
Size	610×405×1605mm	760×470×1620mm	1170×445×1770mm



Internally threaded double device fins
Rapid condensation and high heat exchange efficiency



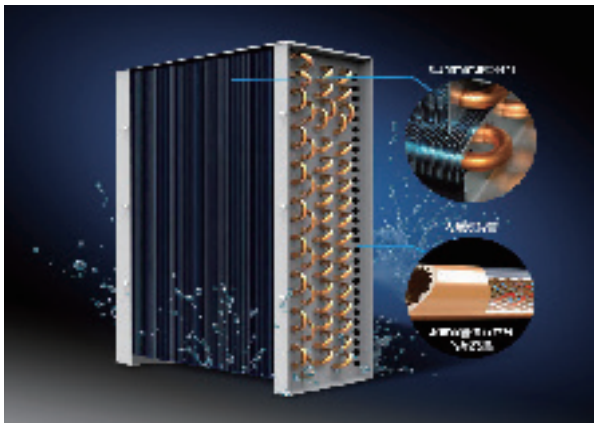
PTC corrugated heat sink has low thermal resistance and high heat transfer efficiency
High safety, anti-scalding, anti-fire and other safety features

RWDW-1681E/RWDW-2481E/RWDW-4881E
Characteristics and Functions of Environmental Humidity Control Systems

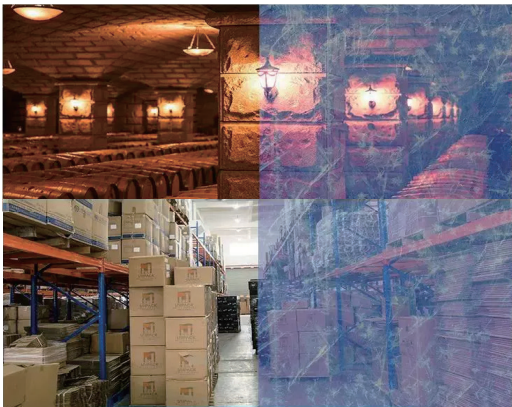
- World famous brand compressor with three minutes automatic delay protection
- Thickened internal thread copper tube Hydrophilic aluminum fins Operating temperature in high temperature environment
- Fault code real-time display
- Electric heating for fast defrosting and improved dehumidification efficiency
- Timer power on/off, power off memory
- Humidity 10%-95% adjustable RH±1% humidity precise control



Model	RWDW-1681E	RWDW-2481E	RWDW-4881E
Capacity(30°C,RH80%)	7kg/h	10kg/h	20kg/h
Voltage frequency	380V/50Hz	380V/50Hz	380V/50Hz
Apply area	80-120m²	120-200m²	300-400m²
Power	3.2kw	4.9kw	9.8kw
Fan	2000m³/h	2800m³/h	5600m³/h
Work Temperature	2°C-38°C	2°C-38°C	2°C-38°C
Control humidity	10%-95%	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22	R410a/R22
Weight	83kg	102kg	165kg
Size	610×405×1605mm	760×470×1620mm	1170×445×1770mm



Internal electric heating, fast defrosting
Reduce defrosting time and increase moisturizing effect



Continuous and efficient dehumidification in low temperature environment
No ice No frost

Explosion-proof dehumidifier

All dehumidifiers can be equipped with explosion-proof function.

Other technical parameters remain unchanged.

All dehumidifiers can be equipped with explosion-proof function. Other technical parameters remain unchanged. Explosion-proof dehumidifier is a kind of explosion-proof electrical appliance, mainly used as an air dehumidifier in flammable and explosive environments such as petroleum, chemical industry, military, oil depots, and offshore oil platforms. Dehumidifier, drying process, when dehumidifying, it is necessary to prevent the circuit from causing explosion of flammable gases, dust, liquids and mixed gases.

Features

- Real-time display of ambient temperature and humidity
- Humidity control range: 45%-95%RH, 1% humidity precision contro
- Large dehumidification capacity and large circulating air volume to meet the needs of different scenarios
- Three-minute automatic delay protection Phase sequence/phase loss protection function
- International brand compressor
- Real-time display of fault codes Automatic standby according to ambient humidity
- Support timed on/off and timed memory
- Support RS485 interface for multiple online control
- Hose connection Continuous drain Automatic defrosting
- Refrigerant low pressure protection Explosion-proof grade IP5

RWFT-1681E/RWFT-2481E/RWFT-3681E/RWFT-4881E

Characteristics and Functions of Environmental Humidity Control Systems

- Touch screen control, easy operation, real-time monitoring of operating conditions
- Automatically record operation logs and run logs
- Temperature control range 18°C -30°C Humidity control range 45%-95%RH
- International brand compressor Three-minute automatic delay protection Phase sequence/phase loss protection function
- Real-time display of fault codes Support timed on/off and timed memory
- Support RS485 interface, multi-unit online control, automatic defrosting



Model	RWFT-1681E	RWFT-2481E	RWFT-3681E	RWFT-4881E
Capacity (30°C, RH80%)	7kg/h	10kg/h	15kg/h	20kg/h
Voltage frequency	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Apply area	40-50m²	60-65m²	65-80m²	80-110m²
Power	8.3kw	9.7kw	15kw	15kw
Circulating Air Flow	2000m³/h	2800m³/h	5600m³/h	5600m³/h
Work Temperature	5°C-38°C	5°C-38°C	5°C-38°C	5°C-38°C
Control humidity	10%-95%	10%-95%	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22	R410a/R22	R410a/R22
Weigh	120kg	155kg	300kg	300kg
Size	620×405×1612mm	770×470×1630mm	1220×450×1700mm	1200×450×1700mm

RWHF-901E/RWHF-1501E/RWHF-1681E/RWHF-2481E RWHF-3881E/RWHF-4881E/RWHF-7281E/RWHF-9681E

Characteristics and Functions of Environmental Humidity Control Systems

- Touch screen control, easy operation, real-time monitoring of operating conditions
- Clean wet film humidification technology
- Large capacity water tank, automatic water supply, automatic shutdown function when water is full or lacking
- International brand compressor Three-minute automatic delay protection
- Support timed on/off and timed memory
- Phase sequence/phase loss protection function Real-time display of fault code
- Automatic defrosting



Model	RWHF-901E	RWHF-1501E	RWHF-1681E	RWHF-2481E
Capacity (30°C, RH80%)	90L/D	150L/D	168L/D	240L/D
Voltage frequency	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Apply area	9.2kw	9.8kw	11.3kw	12.7kw
Cooling Capacity	3.5kw	5.4kw	9kw	15kw
Electric Heaters	5kw	5kw	6kw	6kw
Circulating Air Flow	1000m³/h	1200m³/h	2000m³/h	2500m³/h
Control humidity	5°C-38°C	5°C-38°C	5°C-38°C	5°C-38°C
Refrigerant	10%-95%	10%-95%	10%-95%	10%-95%
Weigh	130kg	140kg	170kg	210kg
Size	600×480×1900mm	600×480×1900mm	1180×650×1800mm	1230×680×1850mm

Model	RWHF-3881E	RWHF-4881E	RWHF-7281E	RWHF-9681E
Capacity (30°C, RH80%)	360L/D	480L/D	720L/D	960L/D
Voltage frequency	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Apply area	18.1kw	21.1kw	26.6kw	35.8kw
Power	20kw	30kw	40kw	60kw
Electric Heaters	7.5kw	7.5kw	11kw	11kw
Circulating Air Flow	3500m³/h	4000m³/h	6000m³/h	8000m³/h
Control humidity	5°C-38°C	5°C-38°C	5°C-38°C	5°C-38°C
Refrigerant	10%-95%	10%-95%	10%-95%	10%-95%
Weigh	280kg	320kg	350kg	440kg
Size	1380×700×1900mm	1500×800×1900mm	1650×800×2000mm	1650×860×2060mm

RW-60HSM/RW-90HSM

Characteristics and Functions of Environmental Humidity Control Systems

- World famous brand compressor Three minutes automatic delay protection
- Blue hydrophilic two-piece all-copper tube design
- Real-time display of fault codes
- Timer power on/off, power off memory
- Humidity 10%-95% adjustable RH±1% humidity precise control
- Automatic defrosting

Model	RW-60HSM	RW-90HSM
Capacity (30°C, RH80%)	60L/D	90L/D
Voltage frequency	220V/50Hz	220V/50Hz
Apply area	50-75m²	70-100m²
Power	0.75kw	1.8kw
Fan	780m³/h	1000m³/h
Work Temperature	5°C-38°C	5°C-38°C
Control humidity	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22
Weight	42kg	80kg
Size	730×450×850mm	770×570×1200mm



RW-168HSM/RW-240HSM

Characteristics and Functions of Environmental Humidity Control Systems

Model	RW-168HSM	RW-240HSM
Capacity (30°C, RH80%)	168L/D	240L/D
Voltage frequency	220V/50Hz	220V/50Hz
Apply area	120-260m²	150-300m²
Power	3.0kw	5.5kw
Fan	1500m³/h	1800m³/h
Work Temperature	5°C-38°C	5°C-38°C
Control humidity	10%-95%	10%-95%
Refrigerant	R410a/R22	R410a/R22
Weight	140kg	185kg
Size	620×400×1600mm	790×550×1720mm



Ultrasonic humidifier

Humidification principle

Using high-frequency electronic oscillation circuit, the ultrasonic energy generated by the energy conversion board directly acts on the water , Under the powerful ultrasonic cavitation effect,water is atomized,and the atomized fine water particles are blown into the wet area through a unique air duct.It has no mechanical drive, no interference, no noise, no pollution,high atomization efficiency, no condensation, low failure rate, easy maintenancand low power consumption.It is an efficient, reliable and practical ultrasonic industrial humidifier.

- Microcomputer control, automatic humidity control
- Automatic fault detection
- Automatic water inlet, automatic water level control
- Universal casters for easy movement
- Stainless steel water tank, mildew-proof, bacteria-proof and durable
- Ultrasonic humidification, high humidification efficiency



Model	RW-3Z Wall Mount	RW-6Z Wall Mount	RW-12Z Wall Mount	RW-7Z
Capacity	3kg/h	6kg/h	12kg/h	7kg/h
Voltage frequency	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Power	200w	400w	800w	400w
Fog outlet	φ75mm*1	φ75mm*1	φ75mm*2	φ110mm*1
Recommendedarea	10-30m²	30-45m²	60-80m²	50-70m²
Mist pipe	≤4m	≤7m	≤18m	≤7m
Weight	18kg	23kg	26kg	25kg
Size	400×340×280mm	400×340×280mm	430×400×220mm	320×680×400mm

Model	RW-14Z	RW-21Z	RW-28Z	RW-35Z	RW-42Z
Capacity	14kg/h	21kg/h	28kg/h	35kg/h	42kg/h
Voltage frequency	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Power	800w	1200w	1600w	2000w	2400w
Fog outlet	φ110mm*1	φ110mm*2	φ110mm*2	φ110mm*2	φ110mm*2
Recommendedarea	50-70m²	80-120m²	100-150m²	130-170m²	150-200m²
Mist pipe	≤9m	≤14m	≤18m	≤25m	≤29m
Weight	28kg	30kg	30kg	36kg	38kg
Size	320×680×400mm	320×720×400mm	320×800×400mm	320×800×600mm	540×920×600mm

Wet Film Humidifier
Characteristics and Functions of Environmental Humidity Control Systems

- Strong and even humidification without white mist phenomenon.
- Use imported plant wet membranes to purify the air.
- Microcomputer control with automatic humidity control.
- Humidity can be set arbitrarily between 30% and 90%.
- Electronic detection, leak protection function
- Automatic water supply and automatic water level control.
- Stainless steel water tank, mold-resistant, antibacterial, durable.
- Optional auxiliary water tank connection



Model	RW-SM-03	RW-SM-06	RW-SM-10
Capacity	3kg/h	6kg/h	10kg/h
Voltage frequency	220V/50Hz	220V/50Hz	220V/50Hz
Power	10-80m²	50-180m²	100-250m²
Fog outlet	130W	200W	450W
Recommended area	8L	10L	40L
Mist pipe	1-40°C	1-40°C	1-40°C
Weight	23kg	25kg	50kg
Size	620×440×1170mm	620×440×1170mm	780×480×1620mm

Model	RW-SM-15	RW-SM-20	RW-SM-30
Capacity	15kg/h	20kg/h	30kg/h
Voltage frequency	220V/50Hz	220V/50Hz	220V/50Hz
Power	200-300m²	250-400m²	300-500m²
Fog outlet	750W	1000W	1500W
Recommended area	40L	50L	50L
Mist pipe	1-40°C	1-40°C	1-40°C
Weight	75kg	80kg	90kg
Size	780×480×1620mm	1200×500×1700mm	1200×500×1700mm

Standard rotary dehumidifier (energy-saving unit)
Product induce

Standard rotary dehumidifiers can only control humidity between 15-50% and cannot adjust the temperature of the operating environment. They usually need to be used in conjunction with air conditioning, suitable for places like warehouses, cold storage, and laboratories that do not have purification requirements.

- The touch screen human-machine interface for humidity adjustment control intelligently regulates the heating amount in the reheat zone when the set humidity is reached, promoting low-carbon energy efficiency.
- Ensure the sealing of the cabinet. Use high-elasticity sealing strips for sealing between the panel and the frame as well as other connections.
- The entire unit is equipped with patented aluminum alloy frames to prevent thermal bridging and high-density fireproof insulation panels.
- The parameters are for reference only, the specifics are subject to actual design.



Model	Handling air volume	Regeneration air volume	Rated dehumidification	Regeneration power consumption (kw)		Total machine power (kw)		Cooling capacity	Size (mm)		
				Electric Heating		Steam	Steam		A	B	C
RW-850-D/Z-J	850	280	6.1	7.5		9.37		5.66	650	650	1650
RW-1000-D/Z-J	1200	405	8.6	10.8		12.93		8.0	850	850	1650
RW-1500-D/Z-J	1500	500	11.9	13.5		15.85		11.0	850	850	1650
RW-2000-D/Z-J	2000	660	14.4	18.0	25.7	22.07	2.07	13.5	950	950	1650
RW-3000-D/Z-J	3000	1000	21.6	26.9	38.5	30.05	3.15	20.2	1800	1050	1750
RW-3500-D/Z-J	3500	1150	25.2	31.4	44.9	35.35	3.95	23.6	1800	1150	1850
RW-4000-D/Z-J	4000	1300	28.8	35.9	51.4	39.85	3.95	26.9	2000	1150	1850
RW-5000-D/Z-J	5000	1650	36.0	44.9	64.2	49.2	4.3	33.7	2000	1200	1950
RW-6000-D/Z-J	6000	2000	43.2	53.9	77.0	59.6	5.7	40.4	2500	1250	2000
RW-8000-D/Z-J	8000	2650	57.6	71.8	102.7	79.7	7.9	53.9	2600	1400	2100
RW-10000-D/Z-J	10000	3300	64.8	80.8	115.5	90.7	9.9	60.6	2600	1550	2250