

EAST Humidity Control

**Energy-wise Dehumidification.
Embrace Comfort, Embrace Nature.**

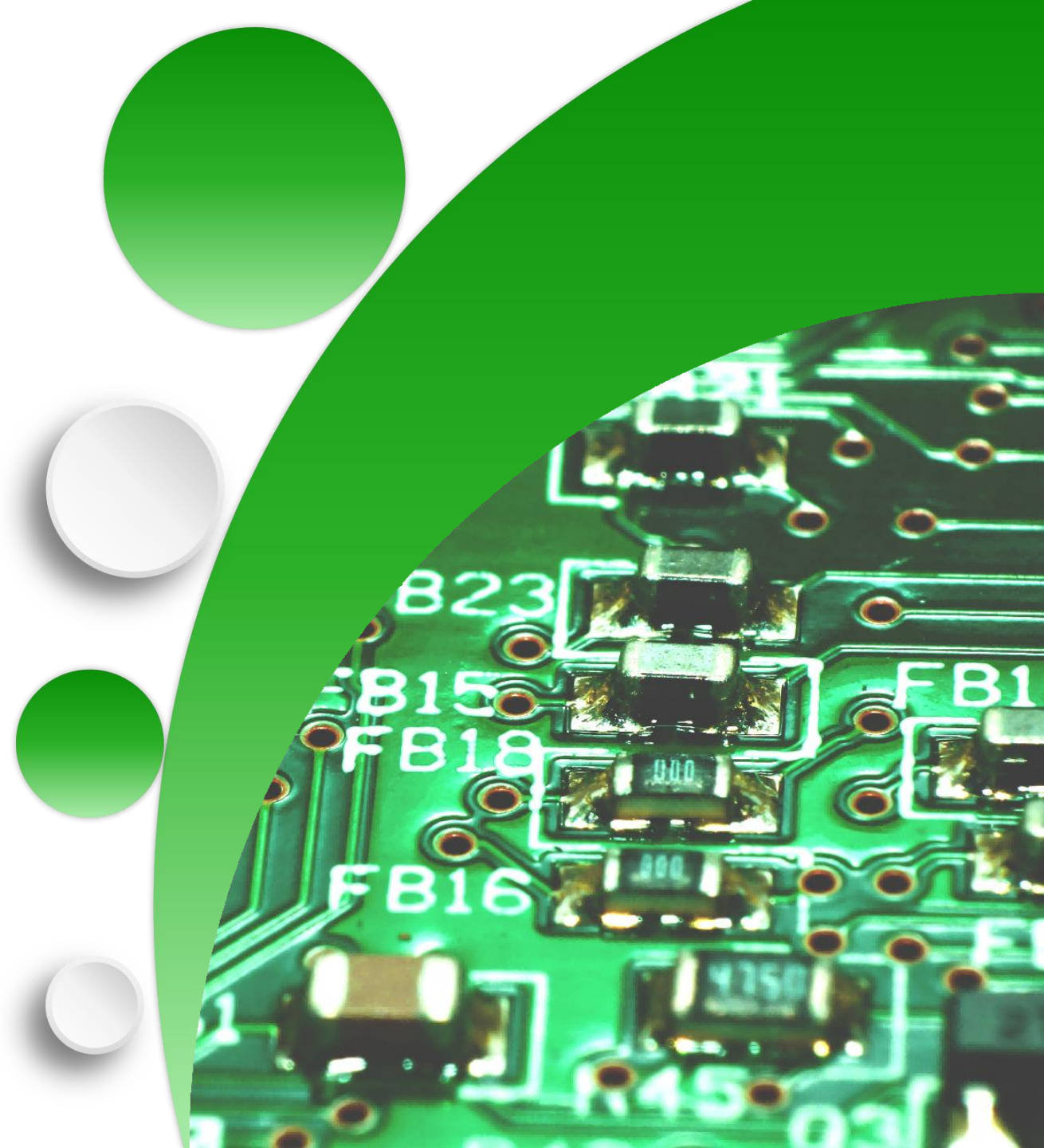
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CATALOGUE

About Us

The issue of humidity has become the most crucial factor affecting production, storage, and cultivation in the industry. EAST Dehumidifiers offer comprehensive humidity control solutions for various applications such as workshops, warehouses, and greenhouses. Regardless of the area's structure, humidity needs, or usage, you can discover the ideal solution or dehumidifier to optimize your environment. Begin customizing your humidity control solution today. EAST Dehumidifiers cover a range of dehumidification equipment categories including grow room dehumidifiers, commercial portable dehumidifiers, industrial dehumidifiers, air conditioning dehumidifiers, desiccant dehumidifiers, and more. With experience across diverse applications, we can tailor equipment with optional features, appearances, and structures to meet specific requirements



COMPANY PROFILE



EAST DEHUMIDIFIER MANUFACTURER

EAST Dehumidifier is one of the prime dehumidifier manufacturer in China, our aim is to be the production base of global dehumidifier branding business . We are going to help people to establish own distribute system and create private branding line of dehumidifier equipment with our full support of technology, manufacturing, solutions, after-sale and spare parts. The purpose is to build independent groups by close relationship between you and EAST Dehumidifier to sale qualified dehumidifiers to region market . Let's get start to work together.



Win-win cooperation



EAST INDUSTRIAL DEHUMIDIFIERS

Industrial dehumidifiers are widely used in factories, warehouses, computer rooms, laboratories, and other areas that require precise humidity control.

FEATURES

- Precise Control: $\pm 1\%$ humidity accuracy.
- Reliable Compressor: Famous brand with delay protection.
- Full Protection: Voltage, current, and phase monitoring.
- Defrosting: Auto defrost + optional rapid electric defrost.
- High Efficiency: Strong performance, low energy use.
- Flexible Drainage: Continuous drain + optional pump.





EAST INDUSTRIAL DEHUMIDIFIERS

Model no.	SDI-168L	SDI-240L
Cooling Capacity	5.3 KW	7.5 KW
Water Removal Capacity @30°C, RH80%, 24hrs	168L	240L
Supply Voltage	203~230V/50Hz or 60Hz	203~230V/50Hz or 60Hz
Rated Power	2820 W	3500 W
Rated Amps	13.0 A	8.5 A
Air Volume	1800m³/h	2700m³/h
Working Temperature	5°C~38°C	5°C~38°C
Humidity Range (RH)	40%~95%	40%~95%
Net Dimensions	595x405x1605mm	770x465x1705mm
Packed Dimensions	695x505x1705mm	880x580x1910mm
Net Weight	90Kg	115Kg
Gross Weight	100Kg	125Kg
Noise	≤ 60 dB	≤ 65 dB
Applying Area	120-220m²	200-350m²



Metric System



EAST INDUSTRIAL DEHUMIDIFIERS

Model no.	SDI-480L	SDI-720L
Cooling Capacity	15.0 KW	25.0KW
Water Removal Capacity @30°C, RH80%, 24hrs	480L	720L
Supply Voltage	440~480v/60hz or 380~400v/50hz 3Phase 5-Wire (TN-S System)	440~480v/60hz or 380~400v/50hz 3Phase 5-Wire (TN-S System)
Rated Power	6000 W	7000 W
Rated Amps	11.0 A	13.0 A
Air Volume	5400m³/h	5800m³/h
Working Temperature	5°C~38°C	5°C~38°C
Humidity Range (RH)	40%~95%	40%~95%
Net Dimensions	1195x500x1745mm	1195x500x1745mm
Packed Dimensions	1300x580x1980mm 1260*560*1910	1300x580x1980mm
Net Weight	195Kg	240Kg
Gross Weight	205Kg	250Kg
Noise	≤ 70 dB	≤ 70 dB
Applying Area	450-700m²	600-1000m²



Metric System



EAST INDUSTRIAL DEHUMIDIFIERS

Model no.	SDI-840L	SDI-960L	SDI-1200L
Cooling Capacity	30 KW	30 KW	37.5 KW
Water Removal Capacity @30°C, RH80%, 24hrs	840L	960L	1200L
Supply Voltage	440~480v/60hz or 380~400v/50hz 3Phase 5- Wire (TN-S System)	440~480v/60hz or 380~400v/50hz 3Phase 5- Wire (TN-S System)	440~480v/60hz or 380~400v/50hz 3Phase 5- Wire (TN-S System)
Rated Power	12000 W	13000 W	17000 W
Rated Amps	30.0 A	35.0 A	40.0 A
Air Volume	11000m³/h	11000m³/h	13000m³/h
Working Temperature	5°C~38°C	5°C~38°C	5°C~38°C
Humidity Range (RH)	40%~95%	40%~95%	40%~95%
Net Dimensions	1387x720x1907mm	1387x720x1907mm	1387x720x1907mm
Packed Dimensions	1487x820x2007mm	1487x820x2007mm	1487x820x2007mm
Net Weight	315Kg	355Kg	380Kg
Gross Weight	330Kg	370Kg	395Kg
Noise	≤ 75 dB	≤ 75 dB	≤ 75 dB
Applying Area	700-1300m²	800-1300m²	1500-2000m²



Metric System



EAST CEILING MOUNTED DEHUMIDIFIERS



Ideal for spaces with limited installation options—swimming pools, warehouses, parking garages, gymnasiums. Our ceiling-mounted dehumidifiers offer powerful, space-saving solutions without compromising on performance.

FEATURES

- **Heavy-Duty Construction:** Pure steel frame for enhanced structural rigidity and long-term reliability.
- **Smart Control:** Microprocessor-driven system with $\pm 1\%$ RH accuracy for precise moisture regulation.
- **Ultra-Quiet Operation:** Low-noise design ensures a comfortable environment.
- **Auto-Restart:** Power-off memory restores settings instantly after power interruptions.

CEILING MOUNTED DEHUMIDIFIER

SDD-26L SDD-38L SDD-58L



Metric System

Model no.	SDD-26L	SDD-38L	SDD-58L
Cooling Capacity	0.3KW	0.78KW	2.08KW
Water Removal Capacity @30°C, RH80%, 24hrs	26L	38L	58L
Supply Voltage	208~240V	208~240V	208~240V
Rated Power	0.50 Kw	0.5 Kw	0.8 Kw
Rated Amps	2.2 A	2.3A	3.2 A
Air Volume	260m³/h	450m³/h	550m³/h
Static Pressure	40~60 Pa	40~60 Pa	40~60 Pa
Working Temperature	5°C~38°C	5°C~38°C	5°C~38°C
Humidity Range (RH)	40%~95%	40%~95%	40%~95%
Net Dimensions	685x310x211mm	734x344x300mm	830x490x370mm
Packed Dimesions	785x410x321mm	834x444x400mm	930x590x470mm
Net Weight	16Kg	24KG	35Kg
Gross Weight	21Kg	33KG	43Kg
Air Inlet Flange Size	Φ 150mm	Φ 150mm	Φ 160mm
Air Outlet Flange Size	Φ 100mm	Φ 100mm	Φ 160mm
Noise	≤45dB	≤45dB	≤45dB
Applying Area	10-25m²	10-25m²	30-70m²

CEILING MOUNTED DEHUMIDIFIER

SDD-90L SDD-138L SDD-150L



Metric System

Model no.	SDD-90L	SDD-138L	SDD-150L
Cooling Capacity	3.75KW	3.75KW	4.2KW
Water Removal Capacity @30°C, RH80%, 24hrs	90L	138L	150L
Supply Voltage	208~240V	208~240V	208~240V
Rated Power	1.0 Kw	1.2 Kw	1.5 Kw
Rated Amps	4.0 A	4.5 A	7A
Air Volume	1000m³/h	1300m³/h	1350m³/h
Static Pressure	50~80 Pa	50~80 Pa	50~80 Pa
Working Temperature	5°C~38°C	5°C~38°C	5°C~38°C
Humidity Range (RH)	40%~95%	40%~95%	40%~95%
Net Dimensions	900x640x470mm	900x640x470mm	900x640x470mm
Packed Dimesions	1000x740x600mm	1000x740x600mm	940x620x620mm
Net Weight	49Kg	53Kg	61Kg
Gross Weight	59Kg	67Kg	71Kg
Air Inlet Flange Size	300x340mm	300x340mm	265x265mm
Air Outlet Flange Size	225x190mm	225x190mm	166x166mm
Noise	≤60dB	≤60dB	≤60dB
Applying Area	70-120m²	90-130m²	110-170m²

CEILING MOUNTED DEHUMIDIFIER

SDD-168L SDD-240L



Metric System

Model no.	SDD-168L	SDD-240L
Cooling Capacity	6.2KW	7.8KW
Water Removal Capacity @30°C, RH80%, 24hrs	168L	240L
Supply Voltage	208~240V	208~240V
Rated Power	2.8 Kw	3.5 Kw
Rated Amps	12.5 A	16 A
Air Volume	1800m³/h	2800m³/h
Static Pressure	50~80 Pa	50~80 Pa
Working Temperature	5°C~38°C	5°C~38°C
Humidity Range (RH)	40%~95%	40%~95%
Net Dimensions	1050x700x700mm	1100x900x700mm
Packed Dimesions	1180X780X880mm	1160X960X860mm
Net Weight	100Kg	126Kg
Gross Weight	110Kg	130Kg
Air Inlet Flange Size	540x430mm	554x604mm
Air Outlet Flange Size	540x430mm	554x604mm
Noise	≤65dB	≤65dB
Applying Area	120-250m²	200-350m²

CEILING MOUNTED DEHUMIDIFIER

SDD-480L SDD-720L SDD-960L



Metric System

Model no.	SDD-480L	SDD-720L	SDD-960L
Cooling Capacity	15.6KW	23.4KW	31.2KW
Water Removal Capacity @30°C, RH80%, 24hrs	480L	720L	960L
Supply Voltage	380 or 480V	380 or 480V	380 or 480V
Rated Power	6.7 Kw	9.5 Kw	13 Kw
Rated Amps	11 A	26 A	30 A
Air Volume	5600m³/h	8000m³/h	11000m³/h
Static Pressure	100~150 Pa	100~150 Pa	100~150 Pa
Working Temperature	5°C~38°C	5°C~38°C	5°C~38°C
Humidity Range (RH)	40%~95%	40%~95%	40%~95%
Net Dimensions	1100x1280x695mm	1500x1510x800mm	1500x1510x800mm
Packed Dimesions	1210X1320X845mm	1680X1590X980mm	1680X1590X980mm
Net Weight	225Kg	330Kg	375Kg
Gross Weight	235Kg	340Kg	385Kg
Air Inlet Flange Size	1004x524mm	1234x654mm	1234x654mm
Air Outlet Flange Size	1004x524mm	1234x654mm	1234x654mm
Noise	≤70dB	≤70dB	≤70dB
Applying Area	500-800m²	800-1000m²	1000-1200m²

GROW ROOM DEHUMIDIFIER



Premium Plant Dehumidification Solutions

Maximize Your Returns on Planting with Minimal Investment

Elevate Your Dehumidification Standards with Premium Quality



Engineered for high-performance grow room

EDD System (EAST Directly Drive 0.02s start)

Fast service maintaining

Detachable Digital Control

Sturdy Frame Structure replaces conventional flat panel structure

Aluminum Alloy Non-woven Filter

Third-party ready terminals



Metric System

Model no. :	EAST E210	EAST E380	EAST E500
Cooling Capacity :	4.2KW	7.5KW	10.0KW
Water Removal Capacity : @30°C, RH80%, 24hrs :	150 Liters / 320 Pints	240 Lilter / 500 Pints	320 L/680 Pints
Water Removal Capacity : @80°F , RH60%, 24hrs :	210 Pints/100 Liters	380 Pints/ 180 Liters	500 Pints/ 237 Liters
Efficiency (@26°C/60%RH) :	3.8 Liters/ Kwh	4.1 Liters/ Kwh	4.1 Liters/ Kwh
Supply Voltage :	208~240V	208~240V	208~240V
Rated Power(@230V) :	1.3 Kw	1.9 Kw	2.3 Kw
Rated Amps :	5.5 A	8.0 A	9.5 A
Air Volume :	910m³/h	1900m³/h	3000m³/h
Static Pressure :	50~80 Pa	50~80 Pa	50~80 Pa
Working Temperature :	5°C~38°C	5°C~38°C	5°C~38°C
Air Inlet Size :	370x300mm	700×590mm	1230×620mm
Air Outlet Size :	475x380mm	735×560mm	970×640mm
Humidity Range (RH) :	10%~95%	10%~95%	10%~95%
Net Weight :	60Kg	126Kg	150KG
Gross Weight :	75Kg	130Kg	160KG
Net Dimensions :	745x540x463mm	813x940x700mm	1396x800x715mm
Packed Dimesions :	845x640x640mm	1000X950X860mm	1450x920x880mm
Noise :	≤60dB	≤65dB	≤65dB
Applying Area :	110-170m²	200-350m²	450~650m²
Throttling :	Thermal Expansion Valve	Thermal Expansion Valve	Electronic Expansion Valve or Thermal Expansion Valve
3rd-party Port :	Trolmaster HS-1 Port Ready	Trolmaster HS-1 Port Ready	Trolmaster HS-1 Port Ready

GROW ROOM DEHUMIDIFIER

E-210 E-380 E-500



Metric System

Model no.	EAST E210	EAST E380	EAST E500
Cooling Capacity	4.2KW	7.5KW	10.0KW
Water Removal Capacity @30°C, RH80%, 24hrs	150 Liters / 320 Pints	240 Lilter / 500 Pints	320 L/680 Pints
Water Removal Capacity @80°F , RH60%, 24hrs	210 Pints/100 Liters	380 Pints/ 180 Liters	500 Pints/ 237 Liters
Supply Voltage	220~230V/50Hz or 60Hz	220~230V/50Hz or 60Hz	220~230V/50Hz or 60Hz
Rated Power(@230V)	1.3 Kw	1.9 Kw	2.3 Kw
Rated Amps	5.5 A	8.0 A	9.5 A
Air Volume	910m³/h	1900m³/h	3000m³/h
Static Pressure	50~80 Pa	50~80 Pa	50~80 Pa
Working Temperature	5°C~38°C	5°C~38°C	5°C~38°C
Air Inlet Size	370x300mm	700×590mm	1230×620mm
Air Outlet Size	475x380mm	735×560mm	970×640mm
Humidity Range (RH)	10%~95%	10%~95%	10%~95%
Net Weight	60Kg	126Kg	150KG
Gross Weight	75Kg	130Kg	160KG
Net Dimensions	745x540x463mm	813x940x700mm	1396x800x715mm
Packed Dimesions	845x640x640mm	1000X950X860mm	1450x920x880mm
Noise	≤60dB	≤65dB	≤65dB
Applying Area	110-170m²	200-350m²	450~650m²
Throttling	Thermal Expansion Valve	Thermal Expansion Valve	Thermal Expansion Valve
3rd-party Port	Trolmaster HS-1 Port Ready	Trolmaster HS-1 Port Ready	Trolmaster HS-1 Port Ready
Drainage Hole Size	16mm	19mm	19mm



PORTABLE COMMERCIAL DEHUMIDIFIERS



Designed to move easily from room to room, our portable and commercial units deliver targeted moisture removal exactly where it's needed. From damp basements to busy commercial kitchens, simply plug in, set your desired humidity, and let the unit work—quietly and efficiently.

FEATURES

- Micro-computer controlled with LCD display
- Low-voltage control for enhanced safety
- Continuous drain or optional condensate pump
- Adjustable humidity setpoint for easy operation
- Universal wheels for easy portability



EAST PORTABLE DEHUMIDIFIERS

Model no.	SDP-38L	SDP-58L
Cooling Capacity	2.1KW	2.1KW
Water Removal Capacity @30°C, RH80%, 24hrs	38L	58L
Supply Voltage	208~240V or 110~120V	208~240V or 110~120V
Refrigerator	R410a	R410a
Rated Power	0.55 Kw	0.65 Kw
Rated Amps	2.5 A	3.0 A
Air Volume	550m³/h	550m³/h
Working Temperature	5°C~38°C	5°C~38°C
Static Pressure	20~40 Pa	20~40 Pa
Humidity Range(RH)	45%~95%	45%~95%
Net Dimensions	450X400X760mm	450X400X760mm
Packed Dimesions	560x530x900mm	560x530x900mm
Net Weight	33kg	35kg
Gross Weight	44kg	45kg
Rubber wheel size	6"	6"
Universal wheel size	2.5"	2.5"
Noise	≤45dB	≤45dB
Applying Area	18~28m²	18~38m²
Water tank capacity	5L	5L



Metric System



EAST PORTABLE DEHUMIDIFIERS

Model no.	SDP-90A	SDP-138A	SDP-150A
Cooling Capacity	2.73 KW	3.17 KW	3.17 KW
Water Removal Capacity @30°C, RH80%, 24hrs	90L	138L	150L
Supply Voltage	220~230V/50Hz or 60Hz	220~230V/50Hz or 60Hz	220~230V/50Hz or 60Hz
Rated Power	1.075 Kw	1.215 Kw	1.495 Kw
Rated Amps	4.8 A	5.7 A	6.9 A
Air Volume	1000m³/h	1300m³/h	1500m³/h
Working Temperature	5°C~38°C	5°C~38°C	5°C~38°C
Humidity Range	RH45%~95%	RH45%~95%	RH45%~95%
Net Dimensions	455x360x840mm	540x440x985mm	540x440x985mm
Packed Dimensions	540x440x1050mm	660x560x1160mm	660x560x1160mm
wheel size	3"	3"	3"
Noise	≤55dB	≤55dB	≤55dB
Applying Area	70~120 m²	100~160 m²	120~200 m²
Net Weight	42kg	51kg	63kg
Gross weight	52kg	61kg	73kg
Static Pressure	50~80 Pa	50~80 Pa	50~80 Pa



Metric System



EAST PORTABLE DEHUMIDIFIERS

Model no.	SDP-138B	SDP-150B
Cooling Capacity	3.17 KW	3.17 KW
Water Removal Capacity @30°C, RH80%, 24hrs	138 liters / 24hrs	150 liters/24hrs
Supply Voltage	220~230V/50Hz or 60Hz	220~230V/50Hz or 60Hz
Rated Power	1.215 Kw	1.495 Kw
Rated Amps	5.7 A	6.9 A
Air Volume	1300m³/h	1500m³/h
Working Temperature	5°C~38°C	5°C~38°C
Static Pressure	50~80 Pa	50~80 Pa
Humidity Range(RH)	45%~95%	45%~95%
Net Dimensions	560x550x840mm	560x550x840mm
Packed Dimesions	64x58x103 Cm	64x58x103 cm
Net Weight	49 kg	49 kg
Gross Weight	63 KG	63 KG
Rubber wheel size	8"	8"
Universal wheel size	2.5"	2.5"
Noise	≤55dB	≤55dB
Applying Area	80~130m²	100~150m²



Metric System



EAST PORTABLE DEHUMIDIFIERS

Model no.	SDP-90C	SDP-138C	SDP-150C
Cooling Capacity	2.73 KW	3.17 KW	3.17 KW
Water Removal Capacity @30°C, RH80%, 24hrs	90L	138L	150L
Supply Voltage	220~230V/50Hz or 60Hz	220~230V/50Hz or 60Hz	220~230V/50Hz or 60Hz
Rated Power	1.075 Kw	1.215 Kw	1.495 Kw
Rated Amps	4.8 A	5.7 A	6.9 A
Air Volume	1000m³/h	1300m³/h	1500m³/h
Working Temperature	5°C~38°C	5°C~38°C	5°C~38°C
Humidity Range	RH45%~95%	RH45%~95%	RH45%~95%
Net Dimensions	610x450x840mm	690x530x985mm	690x530x985mm
Packed Dimensions	660x540x1050mm	740x610x1160mm	740x610x1160mm
Rubber wheel size	8"	8"	8"
Universal wheel size	3"	3"	3"
Noise	≤55dB	≤55dB	≤55dB
Applying Area	70~120 m²	100~160 m²	120~200 m²
Net Weight	48kg	55kg	60kg
Gross weight	55kg	65kg	70kg
Static Pressure	50~80 Pa	50~80 Pa	50~80 Pa



Metric System



EAST RESIDENTIAL DEHUMIDIFIERS

Designed for landlords, property managers, contractors, and resellers, our EDR series residential dehumidifiers provide dependable moisture control across apartments, basements, and storage spaces — with low maintenance and long-lasting performance.

Model no.	EDR-12	EDR-20	EDR-30	EDR-55
Voltage	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz
Dehumidifying capacity	12L/D	20L/D	36L/D	55L/D
Rated power	240W	345W	590W	750W
Noise dB	35.5	43	51.2	52
Water tank capacity	1.6L	2.5L	5L	8L
Refrigerant	R290	R290	R290	R290
Net weight	11Kg	14Kg	15Kg	23Kg
Gross weight	12Kg	15Kg	16Kg	25.4Kg
Net Dimensions	275x195x440mm	320x225x490mm	350x245x500mm	340x340x730mm
Loading quantity (20FT)	640	520	432	208

Metric System





EAST AIR CONDITIONING DEHUMIDIFIERS



Our air conditioner dehumidifiers work with or without cooling cycles. They maintain precise humidity at low loads — no overcooling, no over-drying. Just integrate with your existing controls, set your RH, and let it run — automatically.

FEATURES

- Cooling, heating, dehumidifying. Three models in one.
- High-efficiency coils and condensers.
- Micro-computer control. $\pm 3\%$ RH accuracy, fault display, timer.
- Full protections. High/low pressure, overload, anti-freeze, phase loss.
- Air-cooled or water-cooled condenser options.



EAST AIR CONDITIONER DEHUMIDIFIERS

Model no.		SDAC-168	SDAC-240
Cooling Capacity		7.5 Kw	7.5 Kw
Supply Voltage		220V/50HZ	380V/50Hz
Max Removal @30°C, RH80%		7 kg/h	10 kg/h
Cooling Power		2.58 Kw	3.0 Kw
Heating Power		6 Kw	9 Kw
Air Volume		1800 m³/h	2800 m³/h
Static Pressure		50~80 Pa	50~80 Pa
Indoor fan	Type	Low noise outer rotor centrifugal fan	Low noise outer rotor centrifugal fan
	Power	0.28 Kw	0.28 Kw
Outdoor fan	Type	Low noise outer rotor axial fan	Low noise outer rotor axial fan
	Power*qty'	0.18 Kw * 1	0.42 Kw * 1
Noise		≤65dB	≤65dB
Indoor unit	Dimen.(cm)	595x405x1605	770x465x1705
Outdoor unit	Dimen.(cm)	1032x415x810	1032x415x810
Indoor-outdoor unit connect pipe	Type	Horn Type Connector	Horn Type Connector
	Liquid pipe	Φ9.52	Φ12.7
	Air pipe	Φ15.88	Φ15.88
Humidity Control Range		RH45%~99%	RH45%~99%
Temperature Control Range		18°C~35°C	18°C~35°C



Metric System



EAST AIR CONDITIONER DEHUMIDIFIERS

Model no.		SDAC-480L	SDAC-960L
Cooling Capacity		15.0 Kw	37.5 Kw
Supply Voltage		380V/50Hz	380V/50Hz
Max Removal @30°C, RH80%		20 kg/h	40 kg/h
Cooling Power		10.2 Kw	22.5 Kw
Heating Power		18 Kw	21 Kw
Air Volume		5000 m³/h	11000 m³/h
Static Pressure		100~150 Pa	180~200 Pa
Indoor fan	Type	Low noise outer rotor centrifugal fan	Low noise outer rotor centrifugal fan
	Power	0.8 Kw	1.7 Kw
Outdoor fan	Type	Low noise outer rotor axial fan	
	Power*qty'	0.55 Kw * 2	0.55 Kw * 3
Noise		≤65dB	≤75dB
Indoor unit	Dimen.(cm)	1195x500x1745	1387x720x1907
Outdoor unit	Dimen.(cm)	1032x450x810×2units	750x750x1088x3 units
Indoor-outdoor unit connect pipe	Type	Horn Type Connector	Horn Type Connector
	Liquid pipe	Φ12.7 * 2	Φ15.88 * 3
	Air pipe	Φ19.05 * 2	Φ25.88 * 3
Humidity Control Range		RH45%~99%	RH45%~99%
Temperature Control Range		18°C~35°C	18°C~35°C

Metric System



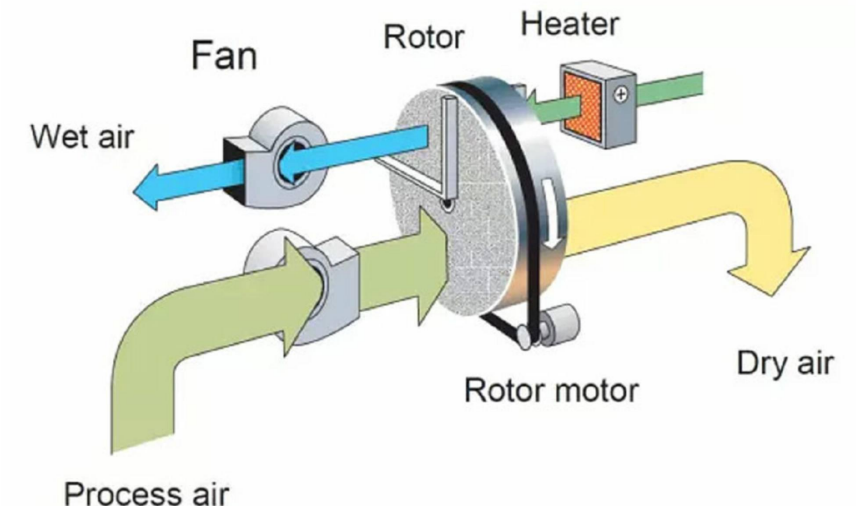
DESICCANT DEHUMIDIFIERS



High-performance rotary dehumidifiers designed for industrial and commercial applications where precise humidity control is critical. Our units deliver reliable, energy-efficient performance across a wide range of operating conditions.

FEATURES

- Wide operating range: -20°C to 50°C
- Humidity control: 5% – 95% RH, fully automatic
- Comprehensive protection: overheat, overload, phase sequence, high/low voltage, and delay protection
- Robust construction: stainless steel or powder-coated housing, corrosion-resistant
- Fire-resistant rotor with excellent moisture adsorption and regeneration performance

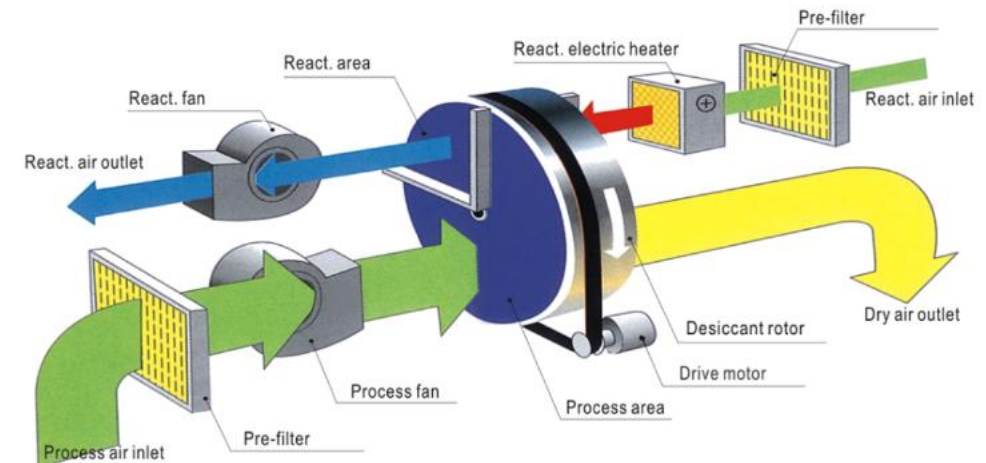


STRUCTURE AND WORK PRINCIPLE

The core component of desiccant rotor dehumidifier is a desiccant rotor, which is running 8–16 circles per hour and cover densely with honeycomb holes. There are high-performance silicon fluorine rubbers on both sides of the rotor, divide the entire surface into two parts, 270 ° process area and 90 ° reactivation area. When moist air enter into the process area, moisture in the air will be adsorbed by the desiccant rotor, and wet air turns into dry air. The dry air supply to the required occasion or production process by a process fan.

With the increases of absorbed moisture during absorption process, the desiccant rotor loses moisture absorption capacity gradually. In order to keep and recover constant capacity, rotor should be reactivation, the tending to saturated rotor turns into the reactivation area by the drive motor slowly, the reactivation air heated to 100–140 °C enters into the reactivation area in the opposite direction of process air ,and desorpt the moisture in the rotor and exhaust to outside by reactivation fan. By this way, the desiccant rotor restores moisture absorption capacity, and enters into the process area to absorb the moisture again under the drive of motor.

The desiccant rotor rotate constantly, dehumidification and reactivation continues, and supply the dry air steady and uninterruptedly.





Metric System

DESICCANT DEHUMIDIFIERS

Model	EDC-80M	EDC-120M
Voltage	AC220V/50Hz	AC220V/50Hz
Dehumidification Capacity	0.4kg/h 9.6L/D	0.45kg/h 10.8L/D
Test Condition	T=20℃, RH=60%	T=20℃, RH=60%
Rated Power	700W	800W
Max Power	800W	1100W
Rated Current	4A	4.5A
Process Airflow	80–100m³/h	120m³/h
Regeneration Airflow	30m³/h	60m³/h
Process Air Residual Pressure	30Pa	80Pa
Regeneration Air Residual Pressure	40Pa	50Pa
Dehumidification Rotor	Φ160×60mm	Φ200×50mm
Process Air Duct	Φ50mm×2	Φ100mm×2
Regeneration Air Duct	Φ50mm×1	Φ60mm×2
Filtration Device	Primary Filter	Primary Filter
Fan	AC	AC
Operating Temp	-10℃ ~ 50℃	-10℃ ~ 50℃
Product Size (L×W×H)	328×190×290mm	434×263×338mm
Net Weight	10kg	12kg
RS485	√	√
WIFI / APP	Optional	Optional

DESICCANT DEHUMIDIFIERS



Metric System

Model	EDC-150M	EDC-200M
Voltage	AC220V/50Hz	AC220V/50Hz
Dehumidification Capacity	0.5kg/H 12L/D	0.83kg/h 20L/D
Test Condition	T=20℃, RH=60%	T=20℃, RH=60%
Rated Power	1000W	1200W
Max Power	1300W	1700W
Rated Current	5.7A	6.8A
Process Airflow	150m³/h	200m³/h
Regeneration Airflow	70m³/h	80m³/h
Process Air Residual Pressure	100Pa	100Pa
Regeneration Air Residual Pressure	55Pa	60Pa
Dehumidification Rotor	Φ200×50mm	Φ200×50mm
Process Air Duct	Φ95mm×2	Φ100mm×2
Regeneration Air Duct	Φ60mm×1	Φ75mm×2
Filtration Device	Primary Filter	Primary Filter
Fan	AC	AC
Operating Temp	-10℃ ~ 50℃	-10℃ ~ 50℃
Product Size (L×W×H)	400×250×350mm	466×333×655mm
Net Weight	15kg	30kg
RS485	√	√
WIFI / APP	Optional	Optional



Metric System

DESICCANT DEHUMIDIFIERS

Model	SDC-300M	SDC-600M	SDC-750M
Voltage/Frequency	220V/50Hz	220V/50Hz	380V/50Hz
Dehumidifying capacity(20°C,60%)	2.0kg/h	3kg/h	4.5kg/h
Power rating	2.0KW	4.5KW	7KW
Current	9A	20A	14A
Process air flow	320m3/h	580m3/h	750m3/h
Reactivation air flow	110m3/h	200m3/h	250m3/h
Process air flow pressure	80Pa	100Pa	120Pa
Reactivation air flow pressure	50Pa	70Pa	80Pa
Process let size	Φ125mm*2	Φ125mm*2	Φ200mm*2
Reactivation let size	Φ80mm*2	Φ100mm*2	Φ125mm*2
Applied Temperature	-10~+50°C	-10~+50°C	-10~+50°C
Dimension	680*425*400mm	585*420*866mm	1090*600*671mm
Packed Diemension	780*525*550mm	685*520*1016mm	1190*700*821mm
Net Weight	45 kg	70 kg	90 kg
Gross Weight	55 kg	80 kg	100 kg
suggested room capacity	21~32m³	38~58m³	45~60m³



Metric System

DESICCANT DEHUMIDIFIERS

Model	SDC-1000M	SDC-1500M	SDC-3000M
Voltage/Frequency	380V/50Hz	380V/50Hz	380V/50Hz
Dehumidifying capacity(20°C,60%)	7.5kg/h	10kg/h	19kg/h
Power rating	11KW	15KW	27KW
Current	18A	23A	42A
Process air flow	1100m3/h	1550m3/h	3000m3/h
Reactivation air flow	400m3/h	580m3/h	1100m3/h
Process air flow pressure	150Pa	200Pa	400Pa
Reactivation air flow pressure	100Pa	150Pa	200Pa
Process let size	Φ200mm*2	Φ250mm*2	522*286/Φ400mm
Reactivation let size	Φ150mm*2	Φ160mm*2	Φ200mm*2
Applied Temperature	-10~+50°C	-10~+50°C	-10~+50°C
Dimension	875*640*1232mm	880*678*1238mm	1312*856*1300mm
Packed Diemension	975*740*1382mm	980*778*1388mm	1412*956*1500mm
Net Weight	160 kg	180 kg	280 kg
Gross Weight	170 kg	195 kg	290 kg
suggested room capacity	73~110m³	103~155m³	200~300m³

ULTRASONIC HUMIDIFIERS

Harnessing high-frequency ultrasonic technology, our industrial humidifiers produce a micro-fine mist that ensures instant, energy-saving, and whisper-quiet humidity control. From printing plants and electronic cleanrooms to cold chain storage and archival preservation, our solutions safeguard quality and performance across the world's most demanding environments.

FEATURES

- High frequency oscillation to atomized water
- Oscillatory frequency 1.7 MHZ, atomization diameter $\leq 10\mu\text{m}$
- Automatic control system, humidity set freely from 1% to 100% RH
- Automatic control system, humidity set freely from 1% to 100% RH
- Atomization working without mechanical drive, pollution, noise

ULTRASONIC HUMIDIFIERS

Model No	SDH-10Z	SDH-20Z
Humidifying Volume	3KG/H	6KG/H
Supply Votage	220V~ 50/60Hz	220V~ 50/60Hz
Power	300W	600W
Fog outlet	1x 110mm	1x 110mm
Overall Dimensions	540x320x440mm	540x320x440mm
Applying Area	30-50m ²	50-80m ²
Humidity Range	RH10%~99%	RH10%~99%
Control Accuracy	±3%	±3%
Net Weight	20 kg	23 kg
Gross Weight	23 kg	26 kg
Pakcing Dimensions	590x440x760mm	590x440x760mm

Metric System



ULTRASONIC HUMIDIFIERS

Model No	SDH-30Z	SDH-40Z
Humidifying Volume	9KG/H	12KG/H
Supply Votage	220V~ 50/60Hz	220V~ 50/60Hz
Power	900W	1200W
Fog outlet	2x 110mm	2x 110mm
Overall Dimensions	580x451x474mm	580x451x474mm
Applying Area	80-120m ²	120-150m ²
Humidity Range	RH10%~99%	RH10%~99%
Control Accuracy	±3%	±3%
Net Weight	35 kg	39 kg
Gross Weight	40 kg	45 kg
Pakcing Dimensions	660x530x720mm	660x530x720mm

Metric System



ULTRASONIC HUMIDIFIERS

Model No	SDH-50Z	SDH-60Z
Humidifying Volume	15KG/H	18KG/H
Supply Votage	220V~ 50/60Hz	220V~ 50/60Hz
Power	1500W	1800W
Fog outlet	3x 110mm	3x 110mm
Overall Dimensions	620x651x574mm	620x651x574mm
Applying Area	150-180m ²	180-220m ²
Humidity Range	RH10%~99%	RH10%~99%
Control Accuracy	±3%	±3%
Net Weight	55 kg	34.7 kg
Gross Weight	60 kg	45 kg
Pakcing Dimensions	730x700x810mm	730x700x810mm

Metric System



ULTRASONIC HUMIDIFIERS

Model No	SDH-70Z	SDH-80Z
Humidifying Volume	21KG/H	24KG/H
Supply Votage	220V~ 50/60Hz	220V~ 50/60Hz
Power	2100W	2400W
Fog outlet	2x 160mm	2x 160mm
Overall Dimensions	660x660x500mm	660x660x500mm
Applying Area	220-240m ²	240-260m ²
Humidity Range	RH10%~99%	RH10%~99%
Control Accuracy	±3%	±3%
Net Weight	70 kg	75 kg
Gross Weight	75 kg	80 kg
Pakcing Dimensions	710x780x820mm	710x780x820mm

Metric System



ULTRASONIC HUMIDIFIERS

Model No	SDH-90Z	SDH-100Z
Humidifying Volume	27KG/H	30KG/H
Supply Votage	220V~ 50/60Hz	220V~ 50/60Hz
Power	2700W	3000W
Fog outlet	2x 160mm	2x 160mm
Overall Dimensions	660x660x500mm	660x660x500mm
Applying Area	260-300m ²	300-360m ²
Humidity Range	RH10%~99%	RH10%~99%
Control Accuracy	±3%	±3%
Net Weight	77 kg	80 kg
Gross Weight	82 kg	85 kg
Pakcing Dimensions	710x780x820mm	710x780x820mm

Metric System



EAST
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control with Minimal Investment**



EAST Dehumidifier Manufacturer

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