



Hommization Operate Interface

We adopt friendly operator interface and the latest PID tempera-
ture control system which can maintain a mould temperature
with accuracy of ±1℃.

Detecting and protecting of pump water shortage and overload,
Supplying water automatically, monitoring the working pressure,
digital temperature control, the actual temperature and set point
display synchronously, multiple sensors monitor the outlet oil
temperature and mold return oil temperature.

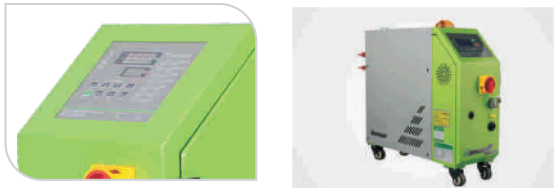
Excellent Design Technology

Suitable for the working temperature of 200℃, 300℃

- Air exhaust automatically after starting machine.
- Forced cooling function.
- Over temperature protection function.
- Low pressure protection function.
- Anti-explosion design according to European safety standards.
- High efficiency heater parts.
- Intelligent time switch design.
- By-pass pressure relief circuit.
- Equipped with phase sequence protector, error-phase, leakage phase, reversed phase sequence detection system.
- Adopt stainless steel heating elements and cooper pipes to pre-
vent rusting.
- Small size heating tank consumes less cycle water, which redu-
ces preheating and cooling cycle time.
- Stainless steel plate heat exchanger.



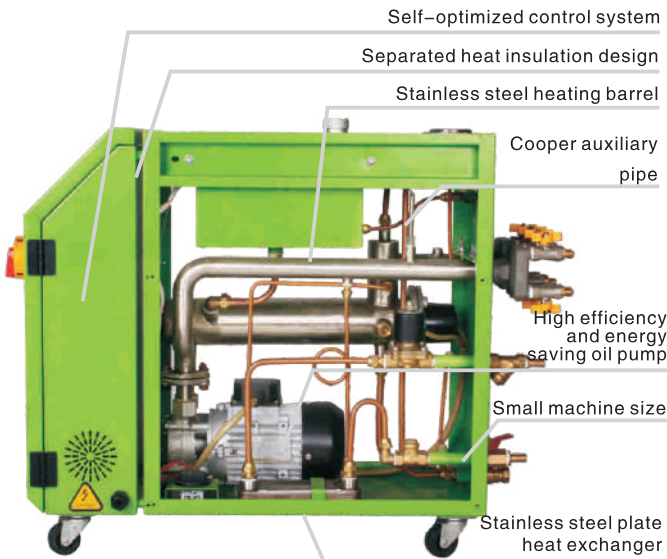
Oil type



Specification

Model	The Max Temperature	Heater Power (kW)	Pump Power (kW)	The Max Flow Rate (L/min)	The Max Pressure (bar)	Heater Quantity	Cooling	Mold Joint * (inch)	Inlet/outlet Size (inch)	External Dimension (Mm) (HxWxD)	Weight (Kg)
ETO-610	200℃	6	0.75	56	3.8	1	Indirect Cooling	3/8" (4x4)	1"/1"	620 × 290 × 760	70
ETO-910		9	0.75	56	3.8	1				620 × 290 × 760	70
ETO-1220		12	1.5	110	4.5	1		3/8" (4x4)		620 × 290 × 760	100
ETO-2430		24	2.2	315	2.8	2				850x350x920	180
ETO-910H	300℃	9	0.75	50	2.0	1		3/8" (2x2)		780 × 300 × 760	80
ETO-920H		9	1.5	133	2.2	1					800 × 340 × 900
ETO-1220H		12	1.5	166	2.5	1		3/8" (4x4)			1000 × 500 × 920

Note:
1) “H” means high temperature type.
2) Pump parameter testing condition: 50HZ power, 20℃ purified water(the max flow rate and the max pressure allowed ± 10% deviation)
3) “*” means optional.
4) Voltage is 3Φ, 400V, 50Hz.
We reserve the right to change specification without prior notice.



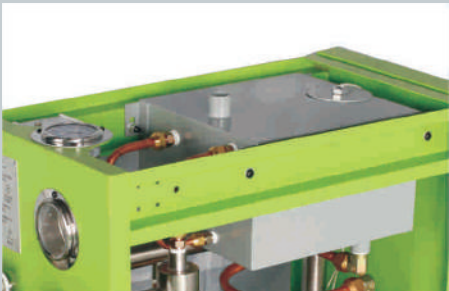
Configuration Information

Model	ETO(200℃)	ETO(300℃)
Self-optimized micro-computer controller	●	●
Phase sequence protector and reverse phase detection function	●	●
Intelligent time switch function	●	●
High efficiency plate heat exchanger	●	●
Pump oil shortage overload protection	●	●
Actual temperature and set point display synchronously	●	●
Visual oil liquid-level window and oil shortage detection	●	●
Continue working pressure monitor	●	●
Magnetic driving pump	○	○
Return oil temperature display	○	○
Air-blowing oil returning function	○	○

“●” stand for standard configuration “○” stands for optional configuration
“x” stand for the types aren't provided

Technical Information

Model	ETO(200℃)	ETO(300℃)
Heater Capacity	6kW/9kW/12kW/24kW(for choice)	
Pump Power	0.75kW/1.5kW/2.2kW(for choice)	
Cooling water Connection	G1/2 internal thread or 13mm hose connection	
Power	3PH 380V 50HZ 3.0kW	



water flow distributor



water flow distributor



teflon tube



ETWO dual-purpose water/oil mold temperature controller

ETWO dual-purpose water/oil mold temperature controller mainly use for mold heating and temperature keeping.

What's more, can also use for others area that with same requirement. This series machine adopt mold medium indirect cooled by cooler, after via pump pressure make it through high-temperature heating of heater, then be sent to mold to reach demand of heating and temperature keeping, adopt micro computer to control circuit board and temperature, P.I.D. temperature controlling mode can ensure stable temperature controlling.



- Adopt full digital P. I. D. sectional type temperature control system, no matter under any operation conditions can maintain stable mold temperature and make controlling accuracy reach $\pm 1^{\circ}\text{C}$.
- Adopt high efficiency high-temperature pump, with large flow rate, big pressure and high stability.
- With multiple safety device, machine can auto detect abnormal when occurred fault and have indicator light show error.
- Beautiful appearance design, easy to dismantle and do maintenance.
- Heaters all be made of stainless steel.
- The max temperature is 95? when using water medium, while using oil medium the max temperature is 160°C.

Equipped with functions of pump reverse running, auto water replenishing (use water medium) and negative pressure running.



Specification											
Model	The Max Temperature	Heater Power (kW)	Pump Power (kW)	The Max Flow Rate (L/min)	The Max Pressure (bar)	Heater Quantity	Cooling	Mold Joint * (inch)	Inlet/outlet Size (inch)	External Dimension (Mm) (HxWxD)	Weight (Kg)
ETWO-607	W:95℃ O:160℃	6	0.55	38	3.8	1	Indirect Cooling	3/8" (2x2)	1"/1"	620 × 340 × 760	70
ETWO-907		9	0.55	38	3.8	1		620 × 340 × 760		70	
ETWO-1210		12	0.75	70	6.0	1		3/8" (4x4)		620 × 340 × 760	100

Note:
1) Pump parameter testing condition: 50HZ power, 20°C purified water(the max flow rate and the max pressure allowed $\pm 10\%$ deviation)
2) “*” means optional.
3) Voltage is 3Φ, 400V, 50Hz.
We reserve the right to change specification without prior notice.

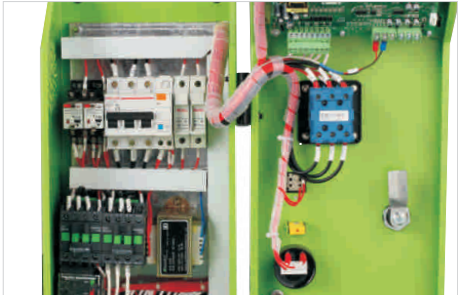


ETWE large flow mold temperature controller

ETWE large flow mold temperature controller mainly use for mold heating and temperature keeping.

What's more, can also use for others area that with same requirement.

This series machine adopt mold medium direct cooled after via pump pressure make it through high-temperature heating of heater, then be sent to mold to reach demand of heating and temperature keeping, adopt micro computer to control circuit board and temperature, P.I.D. temperature controlling mode can ensure stable temperature controlling.



- Adopt full digital P. I. D. Sectional type temperature control system, no matter under any operation conditions can maintain stable mold temperature and make controlling accuracy reach $\pm 1^{\circ}\text{C}$.
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- With multiple safety device, machine can auto detect abnormal when occurred fault and have indicator light show error.
- Beautiful appearance design, easy to dismantle and do maintenance.
- Heaters all be made of stainless steel.

Specification											
Model	The Max Temperature	Heater Power (kW)	Pump Power (kW)	The Max Flow Rate (L/min)	The Max Pressure (bar)	Heater Quantity	Cooling	Mold Joint * (inch)	Inlet/outlet Size (inch)	External Dimension (Mm) (HxWxD)	Weight (Kg)
ETWE-610	W:120℃	6	0.75	147	2.3	1	Direct Cooling	3/8" (2x2)	1"/1"	620×340×760	70
ETWE-910		9	0.75	147	2.3	1		620×340×760		70	
ETWE-1220		12	1.5	204	2.5	1		3/8" (4x4)		620×340×760	100

Note:
1) Pump parameter testing condition: 50HZ power, 20°C purified water(the max flow rate and the max pressure allowed $\pm 10\%$ deviation)
2) “*” means optional.
3) Voltage is 3Φ, 400V, 50Hz.
We reserve the right to change specification without prior notice.



Excellent Design Technology

Suitable for the working temperature of 120℃,160℃ and 200℃

- Air exhaust automatically after starting machine.
- Forced cooling function.
- Over temperature protection function.
- High and low pressure protection function.
- Anti-explosion design according to European safety standards.
- High efficiency heater parts.
- Intelligent time switch design.
- By-pass pressure relief circuit.
- Equipped with phase sequence protector, error-phase, leakage phase, reversed phase sequence detection system.
- Adopt stainless steel heating elements and cooper pipes to prevent rusting.
- Small size heating tank consumes less cycle water, which reduces preheating and cooling cycle time.
- Stainless steel plate heat exchanger.



Water type double in one MTC

ETW-D series Water-type double mold temperature controllers

Model	Max. Temperature	Dimension (mm) (HxDxW)	Weight(kg)
ETW-605B-D	120℃	580×500×760	120
ETW-910B-D		580×500×760	130
ETW-610-D		580×500×760	120
ETW-910-D		580×500×760	130
ETW-610H-D	160℃	580×500×760	130
ETW-910H-D		580×500×760	130

Please excuse for not note if some specifications are changed.

ETO-D series Oil-type double mold temperature controllers

Model	Max. Temperature	Dimension (mm) (HxDxW)	Weight(kg)
ETO-610-D	200℃	620x550x760	120
ETO-910-D		620x550x760	130

Please excuse for not note if some specifications are changed.

Configuration Information			
Model	ETW-D(120℃)	ETW-D(160℃)	ETO-D(200℃)
Self-optimized micro-computer controller	●	●	●
Phase sequence protector and reverse phase detection function	●	●	●
Intelligent time switch function	●	●	●
High efficiency plate heat exchanger	×	●	●
Pump water shortage overload protection	●	●	●
Actual temperature and set point display synchronously	●	●	●
Water booster pump	×	●	×
Supplying water automatically and pressure monitoring system	●	●	●
Magnetic driving pump	○	○	○
Return water temperature display	○	○	○

“●” stand for standard configuration “○” stands for optional configuration “×” stand for the types aren't provided



Air-cooled Chiller

High Efficient Design

- Special efficient heat transfer inner threaded copper pipe increases heat transfer efficiency and energy efficiency.
- Application of the principle of cold and hot exchange is suitable for the modern industrial's cooling field.
- It adopts the latest machine technology and singlestage vapor compression circuit which is durable, high speed cooling ability and stable temperature controlling.

Optimized Protection Function

Compressor over load protection, pump over load protection, reverse-phase and phase shortage warning, protection against freezing, high and low pressure protection device etc.

- Cooling temperature range 7~35℃.
- Stainless steel temperature-holder box.
- Anti-freezing protection device.
- Utilizes R22 refrigerant, which can be instead of environmentally friendly R407C refrigerant.
- Refrigeration circuit adopt high and low pressure switch control.
- Compressor and pump are equipped with overload protection device.
- Adopting self-optimizing temperature control circuit boards, precision of ± 1℃.
- Air-cooled condenser using set-piece, good heat transfer, heat quickly, without the need to provide cooling water.



Air-cooled chiller

Wide Range Of Application

- Used in plastic processing machinery mold cooling, It can greatly improve the surface finish of plastic products and reduce the surface pattern marks and internal stress so that the products do not shrink.
- Used in CNC machine tools, coordinate boring machines, grinding machines, machining centers, machine tools, various combination of precision machine tool spindle lubrication and hydraulic system, transmission media.
- Used in pharmaceutical, chemical, food and other special industries.

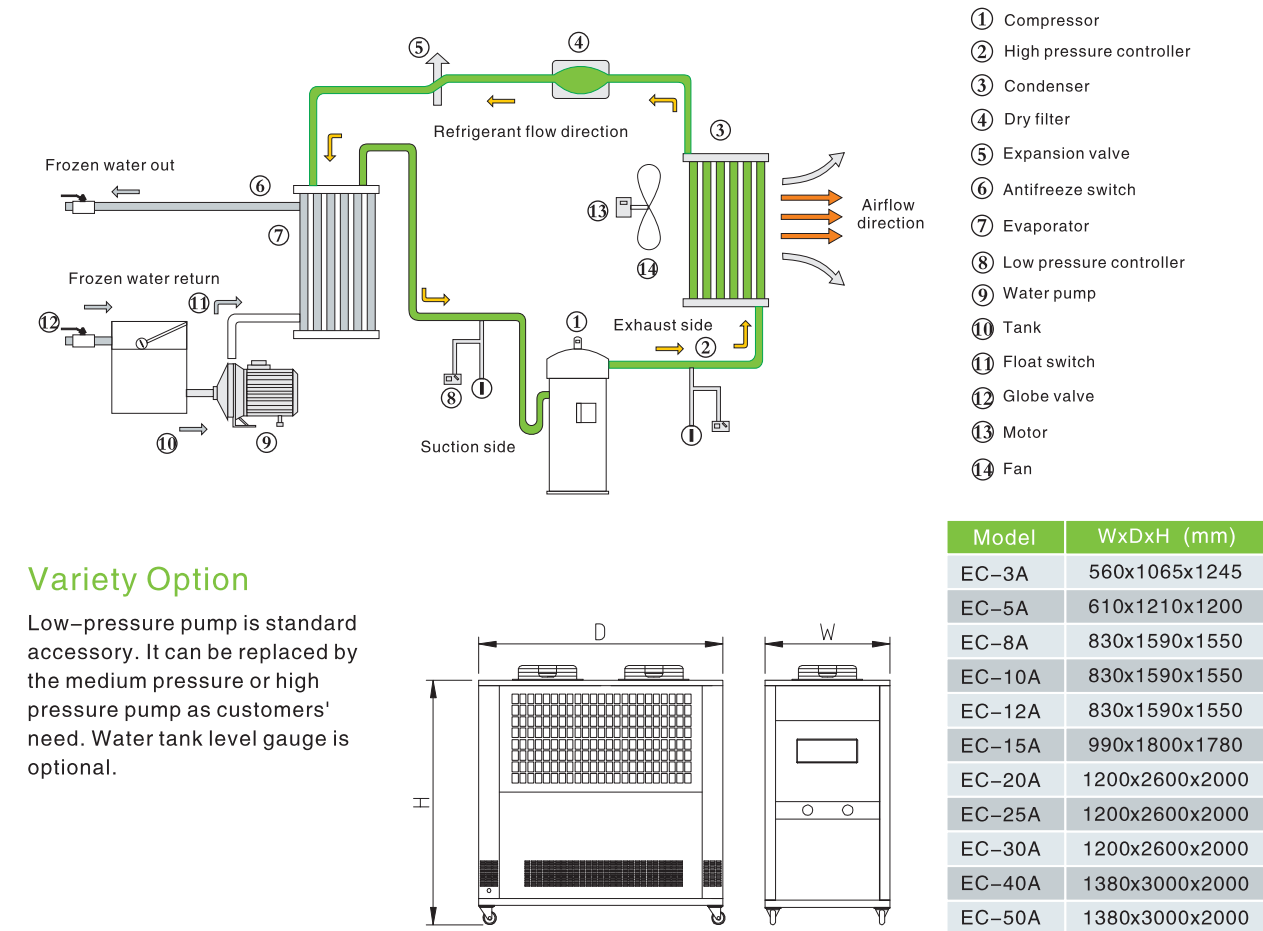
Specification								
Type			Air-cooling specification					
Model			EC-3A	EC-5A	EC-8A	EC-10A	EC-12A	
Rated cooling capacity	50Hz	kW	8.36	12.5	19.36	27.72	31.68	
		Kcal/h	7188	10750	16647	23835	27245	
		USRT	2.4	3.55	5.5	9.08	9.8	
Power			220V/1PHASE/50Hz	380-415V/3PHASE/50Hz				
Compressor Power		Kw	2.5	3.96	6.16	7.72	9.25	
Throttling device			Capillary tube	Thermostatic expansion valve				
Refrigerant			R22/R407C					
Condenser	Type		Copper tube aluminum fins and low noise axial fan					
Evaporator	Form		Dry type water tank/ dry type tube-in-shell style					
	Tank capacity	L	55	55	120	120	150	
Pump	Power	KW	0.37/0.75/0.75/1.1			0.75/1.1		1.1/1.5/2.2
	Working flow	L/min	40/50/83/67			80/100/89/67		130/150/133
	Working pressure	kgf/cm²	1.0/2.0/2.6/3.8			2.0/2.6/3.5		2.0/3/4.2
Pipe dia.		DN	25	25	32	40	40	
Weight		Kg	150	176	320	410	730	

Note: 1.Cooling capacity is measured according to following data, chiller water inlet temperature 12℃, chiller water outlet temperature 7℃, environment inlet temperature 30℃, environment outlet temperature 35℃.
2.Pump model can change to use middle pressure or high pressure pump according to customer real needs, detailed parameters show in above data.
3.we reserve the right to change specifications without prior notice. some parts have been increased or deleted because of the shooting needs, please standard as the actual order.

Specification								
Type			Air-cooling specification					
Model			EC-15A	EC- 20A	EC- 25A	EC- 30A	EC- 40A	EC- 50A
Rated cooling capacity	50Hz	kW	36.96	55.44	66.99	74.9	110.88	133.98
		Kcal/h	31786	47670	57601	63560	95340	115202
		USRT	10.5	15.8	19.0	21.0	31.5	38.1
Power			380-415V/3PHASE/50Hz					
Compressor Power		Kw	10.8	9.82x2	11.89x2	13.42x2	19.32x2	23.79x2
Throttling device			Thermostatic expansion valve					
Refrigerant			R22/R407C					
Condenser	Type		Copper tube aluminum fins and low noise axial fan					
Evaporator	Form		Dry type water tank/ dry type tube-in-shell style					
	Tank capacity	L	250	360	360	360	510	510
Pump	Power	KW	1.1/1.5/2.2	2.2/3/4		4/3/4		4/4/4.5
	Working flow	L/min	130/150/133	200/300/300		300/300/300		533/366/367
	Working pressure	kgf/cm ²	2.0/3/4.2	2.5/3/4.2		2.5/3/4.2		2.7/3.4/4.3
Pipe dia.		DN	40	50	50	65	80	80
Weight		Kg	710	830	1200	1400	1520	1620

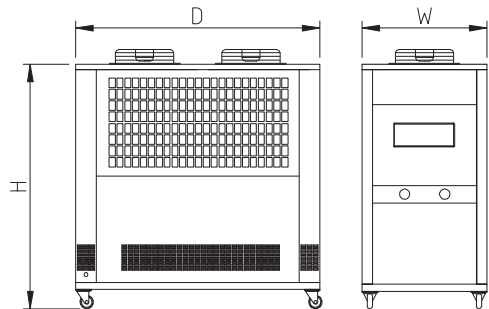
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Working Schematic



Variety Option

Low-pressure pump is standard accessory. It can be replaced by the medium pressure or high pressure pump as customers' need. Water tank level gauge is optional.



Water-cooled Chiller

High Efficient Design

- Special efficient heat transfer inner threaded copper pipe increases heat transfer efficiency and energy efficiency.
- Application of the principle of cold and hot exchange is suitable for the modern industrial's cooling field.
- It adopts the latest machine technology and single-stage vapor compression circuit which is durable, high speed cooling ability and stable temperature controlling.
- It uses the U type heat exchanger which is easy to take out for cleaning and repair.

Optimized Protection Function

Compressor over load protection, pump over load protection, reverse-phase and phase shortage warning, protection against freezing and high and low pressure protection device.

- Cooling temperature range 7~35℃.
- Stainless steel temperature-holder box.
- Anti-freezing protection device.
- Utilizes R22 refrigerant, which can be instead of environmentally friendly R407C refrigerant.
- Refrigeration circuit adopt high and low pressure switch control.
- Compressor and pump are equipped with overload protection device.
- Adopting self-optimizing temperature control circuit boards, precision of $\pm 1^{\circ}\text{C}$.

Wide Range Of Application

- Used in plastic processing machinery mold cooling, it can greatly improve the surface finish of plastic products and reduce the surface pattern marks and internal stress so that the products do not shrink.
- Used in CNC machine tools, coordinate boring machines, grinding machines, machining centers, machine tools, various combination of precision machine tool spindle lubrication and hydraulic system, transmission media.
- Used in pharmaceutical, chemical, food and other special industries.

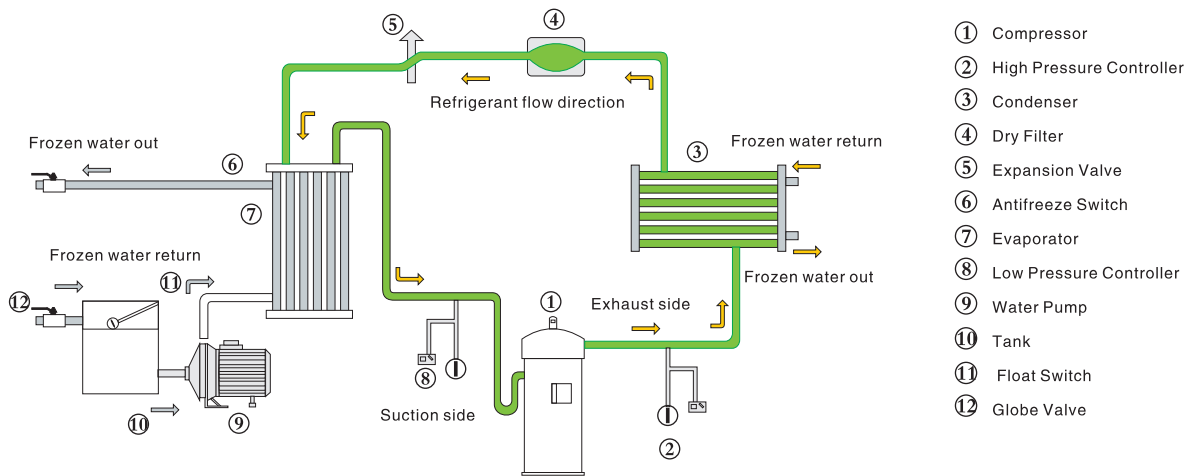


Water cooled chiller

Specification								
Type			Water-cooling specification					
Model			EC-3W	EC-5W	EC-8W	EC-10W	EC-12W	EC-15W
Rated cooling capacity	50Hz	kW	9.8	13.2	22.7	32.4	36.9	43.4
		Kcal/h	8426	11352	19518	27859	31734	37317
		USRT	2.8	3.7	6.5	9.2	10.63	12.3
Power			220V/1PHASE/50Hz	~380-415V/3P/50Hz				
Compressor Power		Kw	2.54	2.96	5.49	7.82	9.05	10.84
Throttling Device			Capillary tube		Thermostatic expansion valve			
Refrigerant			R22/R407C					
Condenser	Type		Tube-fin style (plate)			Tube-in-shell (shell and tube)		
	Water Flow	m³/h	2.13	2.65	4.86	7.10	8.5	9.34
	Pipe Dia.	DN	32	32	40	50	50	50
Evaporator	Form	Dry type water tank/ dry shell and tube style						
	Tank Capacity	L	55	55	120	120	150	250
Pump	Power	KW	0.37/0.75/0.75/1.1		0.75/1.1		1.1/1.5/2.2	
	Working flow	L/min	40/50/83/67		80/100/89		130/150/133	
	Working pressure	kgf/cm²	1.0/2.0/2.6/3.8		2.0/2.6/3.5		2.0/3/4.2	
Pipe Dia.		DN	25	32	32	40	40	50
Weight		Kg	120	130	315	330	600	650

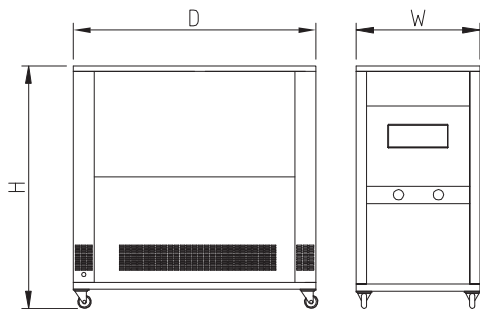
Note: 1.Cooling capacity is measured according to following data ,chiller water inlet temperature 12℃, chiller water outlet temperature 7℃, environment inlet temperature 30℃, environment outlet temperature 35℃.
2.Pump model can change to use middle pressure or high pressure pump according to customer real needs, detailed parameters show in above data.
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Working Schematic



Variety option

Low-pressure pump is standard accessory. It can be replaced by the medium pressure or high pressure pump as customers' need. Water tank level gauge is optional.



Model	WxDxH (mm)
EC-3W	560x1000x990
EC-5W	560x1000x995
EC-8W	720x1250x1240
EC-10W	720x1250x1240
EC-12W	720x1250x1240
EC-15W	720x1600x1770
EC-20W	900x2000x1830
EC-25W	900x2000x1830
EC-30W	900x2000x1830
EC-40W	1200x2400x1830
EC-50W	1200x2400x1830

Specification

Specification							
Type			Water-cooling specification				
Model			EC-20W	EC-25W	EC-30W	EC-40W	EC-50W
Rated cooling capacity	50Hz	kW	64.8	78.3	86.8	129.6	156.6
		Kcal/h	55718	67326	74635	111436	134652
		USRT	18.4	22.3	24.7	36.8	44.5
Power			~380-415V/3PHASE/50Hz				
Compressor Power		Kw	17.64	18.97	21.68	32.52	39.3
Throttling Device			Thermostatic expansion valve				
Refrigerant			R22/R407C				
Condenser	Type		Tube-fin				
	Water Flow	m³/h	14.20	16.75	18.69	27.92	33.74
	Pipe Dia.	DN	65	65	65	80	80
Evaporator	Form		Dry type water tank/ dry type tube-in-shell style				
	Tank Capacity	L	360	360	360	510	510
Pump	Power	KW	2.2/3/4		4/3/4		4/4/4.5
	Working flow	L/min	200/300/300		300/300/300		533/366/367
	Working pressure	kgf/cm²	2.5/3/4.2		2.5/3/4.2		2.7/3.4/4.3
Pipe Dia.		DN	50	50	65	80	80
Weight		Kg	750	1050	1360	1390	1420

Note: 1.Cooling capacity is measured according to following data, chiller water inlet temperature 12℃, chiller water outlet temperature 7℃, environment inlet temperature 30℃, environment outlet temperature 35℃.
2.Pump model can change to use middle pressure or high pressure pump according to customer real needs, detailed parameters show in above data.
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As a heavyweight manufacturer for plastic processing auxiliary equipment, **Enmair**—specialized in the whole automation system integration and solutions—sticks to provide high value-added equipments and material management solutions characterized by durability, reliability, environmental protection, energy saving and easy accessibility. Whether a single machine or a whole central material conveying system, we are continuously hardworking and sparing no efforts to implant rich creative conceptions for better productions for you!



Heatless Energy-saving Type “All-in-One” Compact Dryer

It combines dehumidifying, drying and loading into one unit. Heatless regenerator of dehumidifying and drying can provide with dry air with lower dew point. Users can freely chosen needed air flow rate, temperature, drying time and dew point value etc. according to real production demand. The self optimization and adjusting of regeneration temperature achieves energy-saving and environment-protection, which saves above 60% energy compared with traditional models.

Dew point value of drying can reach -70°C , drying barrel capacity is 5~6000Kg, can meet the production demand of different environment and dosage.

ENM-Intelligent two-channel P.I.D. self-optimized temperature controller and unique energy & airflow management software, can real-time, intelligent, accurate control and self-optimized working state of whole machine, to reach energy saving and environment protecting. Dew point monitor is optional, convenient to monitor dew point at any time.

Small size of whole, high-effect working performance, have characteristics of good dehumidifying effect and high air ventilating, can provide stable low dew point dry air for system, with energy saving and heat preservation drying material barrel, the surface temperature of drying material barrel is below 40°C when drying temperature reached 180°C , hermetic system control to achieve efficient use of energy and decrease unnecessary consumption of electric nergy.



EMDE-12

EMDE-75-PLC

Equipped with hot air recycling system, can avoid environment be polluted by exhausted air, with shut-off suction box, can make sure no vestigital on pipe when conveying. Hermetic circulatory system can prevent dried material from moisture regaining because of outside contacting.

Drying air can evenly upward diffusion from barrel bottom, to ensure drying air can evenly dry material that after dehumidified, achieve steady and rapid dehumidifying and drying of raw material.

Specifications							
Model EMDE-	12	25	50	75	100	150	200
Drying fan power(kW)	0.2	0.2	0.4	0.75	0.75	1.5	1.5
Drying heater power(kW)	2.2	3	4	4	6	7.2	12
Full insulation barrel capacity(L)	20	40	80	120	160	230	300
High-pressure air capacity(m^3/min)	0.2	0.2	0.2	0.2	0.2	0.3	0.3
High-pressure air tension(Bar)	6~8						
Feeding fan power(kW)	0.75	0.75	0.75	0.75	0.75	0.75	0.75
ES-* vacuum hopper(L)	3	3	7.5	7.5	7.5	7.5	7.5
ES-*E electrical hopper(L)	3	3	7.5	7.5	7.5	7.5	7.5
Size of suction pipe(inch)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimension							
H (mm)	1070	1850	1850	2250	2180	2430	2430
H1 (mm)	970	1370	1370	1370	1600	1600	1850
W (mm)	715	1070	1070	1070	1190	1190	1350
D (mm)	550	620	620	620	820	820	900
Weight (kg)	120	300	300	300	410	410	530

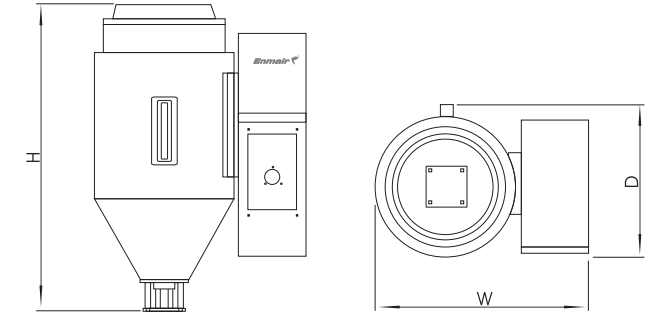
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- 1) Three-stage conveying function is optional, model plus M3;
- 2) For models that are equipped with dew-point monitor, model plus D;
- 3) Voltage specification: 3 ϕ ,400V,50Hz.

Directly Air Type Dehumidifier And Dryer

EMDE series machine is combine dehumidifying and drying into one unit.

- This series machine adopt microcomputer controller and P.I.D. Temperature control technology, can accurately control temperature.
- Heatless regenerator of dehumidifying and drying offer lower dew point wind.
- Directly installed on material inlet of IMM, can avoid dried material wetting back because of external contacting.



EMDE-10-HD

EMDE-15-HD

EMDE-25-HD

EMDE-25-HD-K

Specifications					
Model EMDE-	5-HD	10-HD	15-HD	20-HD	25-HD
Nominal capacity flow	0.1Nm ³ /min	0.15Nm ³ /min	0.2Nm ³ /min	0.3Nm ³ /min	0.3Nm ³ /min
Nominal pressure dew point	-40°C	-40°C	-40°C	-40°C	-40°C
Specified work pressure	0.7MPa	0.7MPa	0.7MPa	0.7MPa	0.7MPa
The max work pressure	1.0MPa	1.0MPa	1.0MPa	1.0MPa	1.0MPa
The min work pressure	0.4MPa	0.4MPa	0.4MPa	0.4MPa	0.4MPa
Specified air inlet temperature	35 $^{\circ}\text{C}$	35 $^{\circ}\text{C}$	35 $^{\circ}\text{C}$	35 $^{\circ}\text{C}$	35 $^{\circ}\text{C}$
The max air inlet temperature	50 $^{\circ}\text{C}$	50 $^{\circ}\text{C}$	50 $^{\circ}\text{C}$	50 $^{\circ}\text{C}$	50 $^{\circ}\text{C}$
Work environment temperature	0 ~ 40 $^{\circ}\text{C}$	0 ~ 40 $^{\circ}\text{C}$	0 ~ 40 $^{\circ}\text{C}$	0 ~ 40 $^{\circ}\text{C}$	0 ~ 40 $^{\circ}\text{C}$
Regeneration air consumption rate	$\leq 15\%$	$\leq 15\%$	$\leq 15\%$	$\leq 15\%$	$\leq 15\%$
Differential pressure	$\leq 0.02\text{MPa}$	$\leq 0.02\text{MPa}$	$\leq 0.02\text{MPa}$	$\leq 0.02\text{MPa}$	$\leq 0.02\text{MPa}$
Work power	220V/50Hz/	220V/50Hz/	220V/50Hz/	220V/50Hz/	220V/50Hz/
Protection level	IP65	IP65	IP65	IP65	IP65
Noise	$\leq 75\text{ dB (A)}$	$\leq 75\text{ dB (A)}$	$\leq 75\text{ dB (A)}$	$\leq 75\text{ dB (A)}$	$\leq 75\text{ dB (A)}$
Material barrel capacity(L)	8	15	25	30	40
Heater power(W)	200	800	1500	1500	2000
Dimension(W*D*H)	480x400x825	520x400x825	570x400x840	580x445x880	620x445x880

Note: we reserve the right of change the specifications without prior notice.



Honeycomb "All-in-One" Compact Dryer

Excellent design technology

- It combines dehumidifying, drying and loading into one unit, which is suitable for dealing with engineering plastics with strong moisture, such as PA, PC, PBT and PET etc.
- The machine is applied with return air filter to prevent the honeycomb rotor from material dust pollution.

Accurate temperature control system

P.I.D control system is applied to control machine's operation accurately. The indicator lights on the panel help to monitor working status clearly.

Prominent working performance

Dew point can reach -60°C in the independent environment.

The working principle is to provide continuous and stable dry air to remove moisture adsorbed in the raw materials, let dried raw materials meet the requirements of production. Strict performance indicators and production technology ensures great performance ratio, high efficiency and low consumption, easy accessibility and stable operation.

It is especially suitable for drying and dehumidifying hygroscopic engineering plastics, such as PA, PC, PBT, PET, etc.

Return air filter device

It can absorb about 99.9% of the dust through high efficient particulate filter to prevent the honeycomb rotor from dust pollution.



EMD4-200/200

EMD4-50/50

Specification																
Mode EMD-	25/30	50/50	75/50	100/100	150/100	150/150	200/150	200/200	300/200	300/300	500/300	400/400	500/500	750/500	750/800	1000/800
Drying fan power(kW)	0.2	0.4	0.4	0.75	0.75	1.5	1.5	2.2	2.2	3.4	3.4	4	7.5	7.5	9.0	9.0
Drying heating power(kW)	3	4	4	6	6	7.2	7.2	9	9	15	15	18	21	21	24	24
Full insulation barrels capacity(L)	40	80	120	150	230	230	300	300	450	450	750	600	750	1200	1200	1500
Regenerative heating power(kW)	3	3	3	3	3	4	4	4	4	6	6	7.2	10	10	12	12
Regenerative fan power(kW)	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.75	0.75	0.75	1.5	1.5	2.2	2.2
Dehumidify air capacity(m ³ /hr)	30	50	50	100	100	150	150	200	200	300	300	400	500	500	800	800
Feeding fan power(kW)	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.5	1.5	2.2	2.2	2.2	3	3	4	4
ES-" Vacuum hopper(L)	6	7.5	7.5	7.5	7.5	7.5	7.5	12	12	12	12	12	12	12	12	12
ES-"Electronic hopper(L)	3	7.5	7.5	7.5	7.5	7.5	7.5	12	12	12	12	12	12	12	12	12
Suction pipe size(inch)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2	2	2	2
Dimension																
H(mm)	1550	1950	2230	2180	2430	2280	2430	2380	2780	3030	3530	3530	3230	3230	3230	3430
H1(mm)	1200	1370	1670	1600	1850	1600	1850	1800	2200	2350	2650	2650	2650	2650	2650	2850
W(mm)	850	1070	1070	1190	1190	1350	1350	1400	1400	1400	1400	1600	1700	1700	1700	1700
D(mm)	620	620	620	820	820	900	900	1000	1000	1200	1200	1300	1300	1300	1300	1300
Weight(kg)	200	300	320	410	430	510	530	560	590	600	650	650	690	690	820	880

Note: We reserve the right of change the specifications without prior notice.

1) Three sections feeding function is optional, machine type with M3.

2) Dew-point meter is optional, machine type with D.

3) Voltage: 3Φ, 400V, 50Hz.

Easy control of the dew point

The user can set the dew point and adjust the regeneration temperature in order to achieve maximum energy saving.

High efficient cooler

New type cooler design offer lower return air temperature and dew point.



EMD4-500/500



Electrical hepper Vacuum hopper



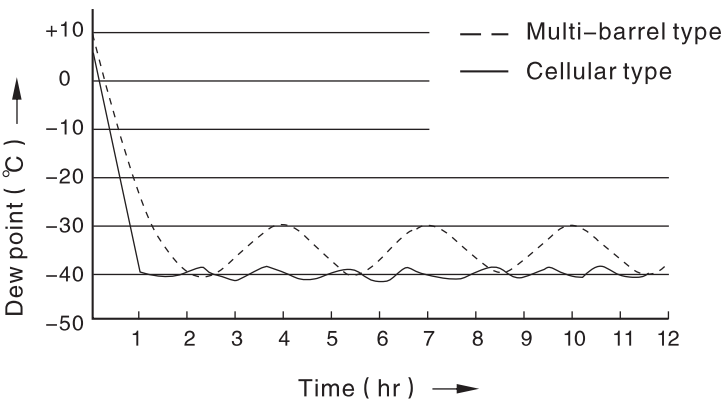
Convenient maintenance

It is equipped with three filters which can be picked out easily to dedust by pressure-air when there are too much dust grains.

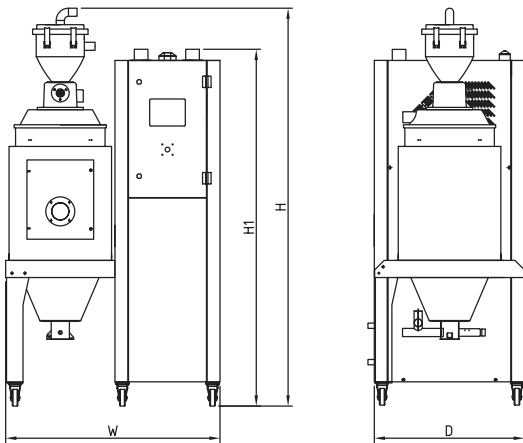
Humidity and moisture comparison table

Dew point	Relative humidity	Moisture content	
		PPM	%
+20	100	23,072	2.307
+10	52.5	12,117	1.212
0	26.10	6,027	0.603
-10	11.20	2,574	0.257
-20	4.40	1,025	0.103
-30	1.60	378	0.038
-40	0.60	128	0.013
-50	0.20	39	0.004

Dew point effect comparison



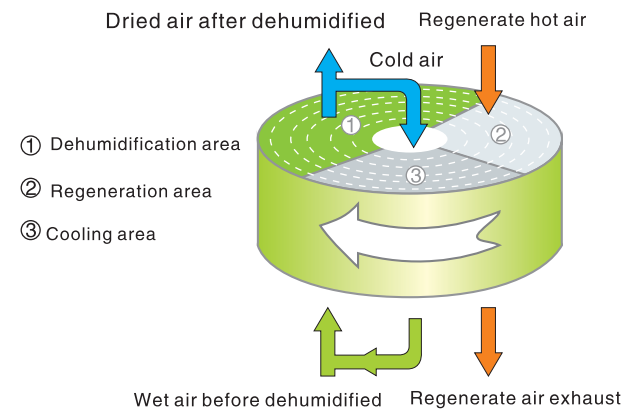
Dimension



Optional Device

PLC control equipped with LCD touch interface, which can be remotely controlled and managed. Dew point hygograph used to monitor the dew point.

Operational principle of honeycomb runner



Drying capacity specification

Specification																
Raw material	Drying temperature (°C)	Drying time (hr)	Specific heat Kcal/kg °C	Accu-mulation density (kg/L)	Moisture content before dehumidified (%)	Moisture content after dehumidified (%)	Drying capacity (kg/hr)									
							EDH-50	100	150	200	300	500	700	1000	1500	2000
ABS	80	2~3	0.34	0.6	0.3	0.02	18	35	70	105	180	285	355	425	710	1065
CA	75	2~3	0.5	0.5	1	0.02	15	30	60	90	150	235	295	355	590	885
CAB	75	2~3	0.5	0.5	0.8	0.02	15	30	60	90	150	235	295	355	590	885
CP	75	2~3	0.6	0.6	1	0.02	18	35	70	106	180	285	355	425	710	1060
LCP	150	4	0.6	0.6	0.04	0.02	13	27	55	80	135	210	265	320	530	800
POM	100	2	0.35	0.6	0.2	0.02	27	54	105	160	260	425	530	640	1060	1600
PMMA	80	3	0.35	0.65	0.5	0.02	19	38	77	115	190	300	380	460	760	1150
NYLON	90	3~4	0.58	0.6	0.4	0.02	11	22	44	66	110	170	220	265	442	660
PA6	75	4~5	0.4	0.65	1	0.05	10	19	38	58	96	153	192	230	380	570
PA11	75	4~5	0.58	0.65	1	0.05	12	23	45	69	115	185	230	275	460	690
PC	120	2~3	0.28	0.7	0.3	0.01	21	41	83	124	205	330	413	495	826	1230
PU	90	2~3	0.45	0.65	0.3	0.02	19	38	77	115	190	307	383	460	760	1150
PBT	130	3~4	0.3	0.7	0.2	0.02	15	30	62	93	150	248	310	372	620	930
PE	90	1	0.55	0.6	0.01	<0.01	50	100	200	300	500	850	1050	1275	2100	2180
PEI	150	3~4	0.6	0.6	0.25	0.02	13	25	53	80	130	210	265	320	530	800
PET	160	4~6	0.5	0.85	0.2	0.05	13	26	50	75	125	200	250	300	500	750
PETG	70	3~4	0.6	0.6	0.5	0.02	13	26	53	80	130	210	265	320	530	800
PEN	170	5	0.85	0.85	0.1	0.05	15	30	60	90	150	240	300	360	600	900
PES	150	4	0.7	0.7	0.8	0.02	15	30	60	90	150	240	300	360	600	900
PPO	110	2	0.4	0.5	0.1	0.04	22	44	88	120	220	355	440	530	885	1330
PPS	150	3~4	0.6	0.6	0.1	0.02	13	25	53	80	130	210	265	320	530	800
PI	120	2	0.28	0.6	0.4	0.02	27	54	105	160	260	425	530	640	1060	1600
PP	90	1	0.48	0.5	0.1	0.02	50	100	150	200	300	710	885	1060	1770	2500
PS	80	1	0.58	0.5	0.1	0.02	50	100	150	200	300	710	885	1060	1770	2500
PSU	120	3~4	0.31	0.65	0.3	0.02	14	28	60	85	145	230	290	345	575	865
PVC	70	1~2	0.35	0.5	0.1	0.02	22	44	90	135	220	355	440	530	885	1330
SAN	80	1~2	0.32	0.5	0.1	0.05	22	44	90	135	220	355	440	530	885	1330
TPE	110	3	0.7	0.7	0.1	0.02	20	40	85	125	205	330	413	495	826	1230

Note: 1) use independent dried hopper.
2) in 20°C atmospheric temperature and 65% relative humidity, moisture content below 0.005% after dried.

Dehumidifying Dryer

Excellent design technology

- It combines dehumidifying, drying and loading into one unit, which is suitable for dealing with engineering plastics with strong moisture, such as PA, PC, PBT and PET etc.
- The machine is applied with return air filter to prevent the honeycomb rotor from material dust pollution.

Accurate temperature control system

P.I.D control system is applied to control machine's operation accurately. The indicator lights on the panel help to monitor working status clearly.

Prominent working performance

Dew point can reach -60°C in the independent environment.

The working principle is to provide continuous and stable dry air to remove moisture adsorbed in the raw materials, let dried raw materials meet the requirements of production. Strict performance indicators and production technology ensures great performance ratio, high efficiency and low consumption, easy accessibility and stable operation.

It is especially suitable for drying and dehumidifying hygroscopic engineering plastics, such as PA, PC, PBT, PET, etc.

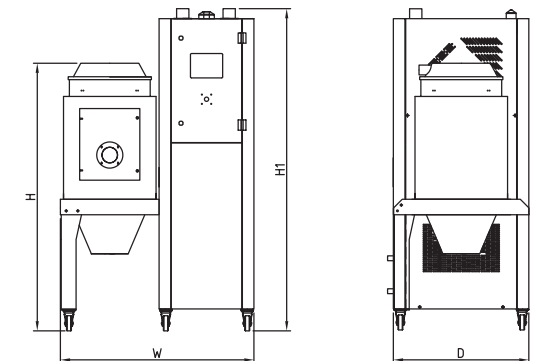
Return air filter device

It can absorb about 99.9% of the dust through high efficient particulate filter to prevent the honeycomb rotor from dust pollution.



EDD -50/50

EDD -200/200



Specification																		
Model	EDD-	12/30	25/30	50/50	75/50	100/100	150/100	150/150	200/150	200/200	300/200	300/300	500/300	400/400	500/500	750/500	800/800	1000/800
Drying fan power(kW)		0.2	0.2	0.4	0.4	0.75	0.75	1.5	1.5	2.2	2.2	3.4	3.4	4	7.5	7.5	9.0	9.0
Drying heating power(kW)		3	3	4	4	6	6	7.2	7.2	9	9	15	15	18	21	21	24	24
Full insulation barrels capacity(L)		20	40	80	120	150	230	230	300	300	450	450	750	600	750	1200	1200	1500
Regenerative heating power(kW)		3	3	3	3	3	3	4	4	4	4	6	6	7.2	10	10	12	12
Regenerative fan power(kW)		0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.75	0.75	0.75	1.5	1.5	2.2	2.2
Dehumidify air capacity(m3/hr)		30	30	50	50	100	100	150	150	200	200	300	300	400	500	500	800	800
Dimension																		
H(mm)		1550	1550	1950	2230	2180	2430	2280	2430	2380	2780	3030	3530	3530	3230	3230	3230	3430
H1(mm)		1200	1200	1370	1670	1600	1850	1600	1850	1800	2200	2350	2650	2650	2650	2650	2650	2850
W(mm)		850	850	1070	1070	1190	1190	1350	1350	1400	1400	1400	1400	1600	1700	1700	1700	1700
D(mm)		620	620	620	620	820	820	900	900	1000	1000	1200	1200	1300	1300	1300	1300	1300
Weight(kg)		180	200	300	320	410	430	510	530	560	590	600	650	650	690	690	820	880

Note: We reserve the right of change the specifications without prior notice.

1) Three sections feeding function is optional, machine type with M3.

2) Dew-point meter is optional, machine type with D.

3) Voltage: 3Φ, 400V, 50Hz.

Temperature control system

It adopted PID temperature control system and working state indicator light. Can precisely control and know operation conditions clearly.

High efficient cooler

Special cooler structure design ensures lower return air temperature and dew point.

Return air filter device

Absorbing about 99.9% of the dust through high efficient particulate filter avoid the honeycomb rotor from dust pollution.

Excellent working performance

Independent Environment Dew Point reach to −60℃

Strict performance index and productive technology, excellent performance, high efficiency,low consume, easy operation, stable performance. It offers dry air to absorb the moisture on thematerial to meet the requirement.

It's suitable for drying hygroscopic engineering plastic such as, PA, PC, PBT, PET, etc.

It can be moved to the suitable working place as customer's need.



EDH-100

Easy management of dew point

Dew point and return temperature can be set by customers' need to reduce energy consumption.

East maintenance

Equipped with two high-efficiency filter, use the high pressure air to remove the dust on the filters. Fast and convenient.

Specification												
Model EDH	30	50	100	150	200	300	400	500	800	1000	1500	2000
Regenerative power(kW)	3	3	3	4	4	6	7.2	9	12	15	20	20
Regenerative fan power(kW)	0.2	0.2	0.2	0.4	0.4	0.75	0.75	1.5	3	2.2	2.2x2	3x2
Drying heater power(kw)	3	4	6	7.2	9	15	18	21	24	36	24x2	36x2
Drying fan power(kW)	0.2	0.4	0.75	1.5	2.2	3	5.5	7.5	9	13	9x2	13x2
Dry air capacity(m³/hr)	30	50	100	150	200	300	400	500	800	1000	1500	2000
Pipe coupling(inch)	2"	2"	2"	2.5"	2.5"	3"	3"	4"	4"	5"	6"	8"
Dimension												
H(mm)	1360	1360	1360	1610	1610	1745	1745	1935	1935	1935	2060	2060
W(mm)	530	530	530	650	650	650	650	750	750	1350	1500	1500
D(mm)	820	820	820	1050	1050	1255	1255	1380	1380	1380	1380	1380
Weight(kg)	145	155	170	260	265	320	350	470	560	700	1080	1360

Note: “*” means optional, can used with Euro material storage barrel; voltage is 3PH 400V 50/60HZ; we reserve the right of change the specification without prior notice.

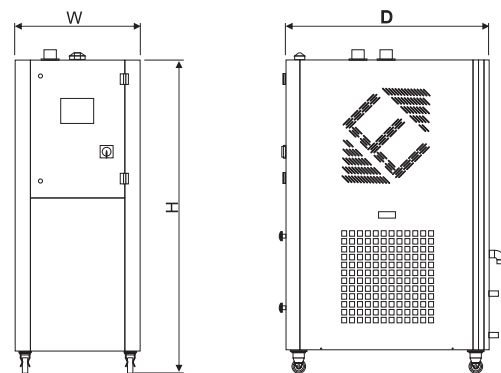
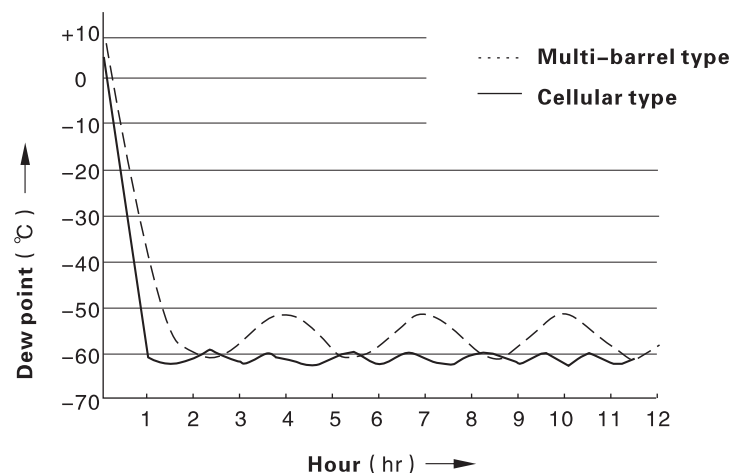
Optional device for choose.

PLC controller to work with LCD touch screen, with Ethernet remote monitor and manage, more easier operate.

Dew point monitor is available as an option for monitoring dehumidifying effect. Dry heater and temperature controller device is optional, with drying hopper tank can dehumidify plastic material.

Humidity and moisture content comparison table

Dew Point(℃)	Relative humidity (%)	Moisture Content	
		PPM	%
+20	100	23,072	2.307
+10	52.5	12,117	1.212
0	26.10	6,027	0.603
−10	11.20	2,574	0.257
−20	4.40	1,025	0.103
−30	1.60	378	0.038
−40	0.60	128	0.013
−50	0.20	39	0.004
−60	0.07	13	0.001



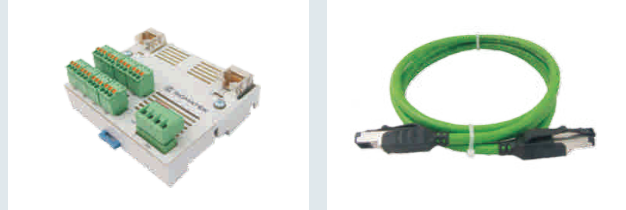
The reason of causing Bubbles, crazing, cracking, flow marks, poor transparency is that the plastic is not fully dried before it's formed. The hygroscopic of plastic like PA, PC, PBT, PET, NYLON is strong. The traditional dryer can't dry it completely because the water penetrates into the internal of the plastic.

Practice proves that reducing the drying wind dew point below −40℃ and controlling its temperature can dry the material and reduce the moisture ration below 0.02%. Honeycomb dehumidifying dryer fully dehumidify the air in the closed loop system to achieve the effect of dehumidification drying.

Touch-control screen Card slot type control module



Switch module Communication cable



Wide Application

- Stable optimized production conditions is crucial to improve product quality and production efficiency, EM mould sweat dehumidifiers remove the moisture on the mould surface which increases the products quality and production, can make drying degree of mold meet the production requirements.
- It is used to deal with the moisture on the mould which comes from the using of chilled water for reducing the molding cycle time, particularly suitable used for IML and PET performs.
- The water vapor comes into being when the temperature of moulding surface is lower than dew point temperature of surrounding air.
- The machines use honeycomb rotors to carry out dehumidifying function, which generates a dry airflow with dew point below -5°C and ensures the surrounding air of mould remaining in a low dew point temperature. It provides constant low dew point surrounding air to themould surface all year round without being influenced by the change of seasons.



Model: EM-1500

- Moisture condensation will cause corrosion of mould, and also affect the quality and production efficiency of products, then make a pollution of product and surrounding environment.

Reliable Working Characteristic

- New honeycomb wheel and environmental design, Dehumidification and drying performance is extremely stable.
- The quality of products is not affected by the condensation on the mold surface.
- Extending the life of mould and reducing product defect ratio.
- Do not need to change the production environment.
- Accurate control and display of regenerative temperature by using P.I.D. Controller.
- Real-time display of regeneration temperature setting and the actual operating temperature.
- Return air cooling and filtering are included.
- With safety protection device of over-temperature, phase reverse and motor overload.

Specification										
Model EM	Drying blower (kw)	Regeneration blower (kw)	Regeneration Heater (kw)	Air flow (m³/hr)	Pipe Dia. (inch)	Air Outlet Temperature (°C)	Cooling water flow (L/min)	Cooling water pressure (kgf/cm²)	Dimension (mm) WxDxH	Weight (kg)
EM-500	1.1	0.4	4	500	4	10~20	40	2~5	650x750x1700	270
EM-1000	1.5	0.75	7.2	1000	5	10~20	80	2~5	800x850x1700	350
EM-1500	2.2	1.5	12	1500	6	10~20	120	2~5	1150x1100x2000	360
EM-2000	3	2.2	21	2000	8	10~20	160	2~5	1300x1100x2000	460
EM-3000	4	2.2	21	3000	8	10~20	200	2~5	1300x1100x2200	500
EM-4000	5.5	3.0	28	4000	10	10~20	300	2~5	1400x1250x2200	560

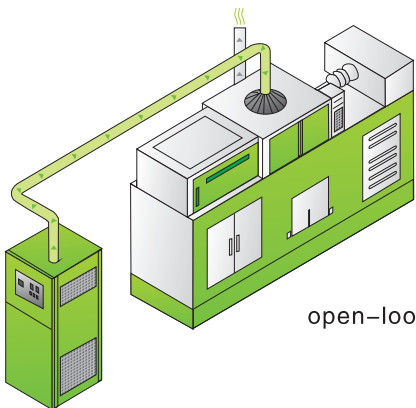
Voltage of machine is 3PH 400V 50Hz.

Note: We reserve the right of change the specifications without prior notice.

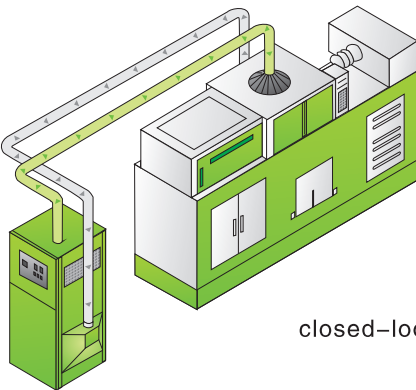
- Adopting advanced new-type honeycomb rotor and environmental protection and energy saving design, overcomes shortages of traditional honeycomb, such as forming difficulty, wearing easily and deterioration fast etc.
- Air outlet uses optimized cooling device to ensure the low temperature of drying outlet wind.

Optional Devices

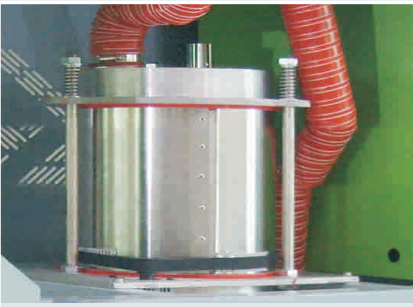
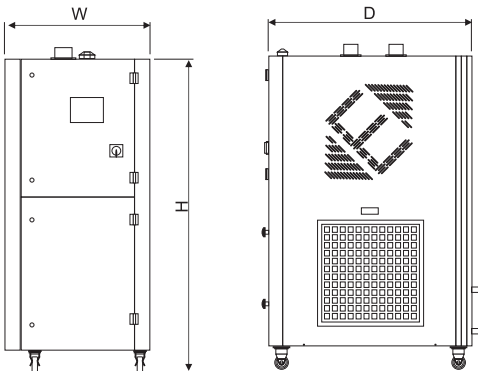
- Return air collector, closed-loop, particularly suited to the warm and humid areas.
- Open-loop air circulation and closed loop air circulation for choose.



open-loop air circulation



closed-loop air circulation



Perfect Structural Design

- Adopt hot air diffuser to gain an even hot air flow to improve drying efficiency.
- Unique hot air inlet elbow design can prevent dust piling up at bottom of the pipe heaters so as to avoid burning.
- All material contact surfaces are made of stainless steel to eliminate material contamination, hopper separated from its base, ensuring convenient cleaning and rapidly material changing.
- Standard equipped with pin swing type temperature controller, digital type temperature controller for your option, P.I.D. temperature control technology, can accurate control temperature.
- Double protecting device, over heat protecting and over-heat fusing of electrical heated tube, can decrease accidents of human or machine fault.
- Timing device and double heat preservation material barrel is optional for every model.

Accurate temperature control system

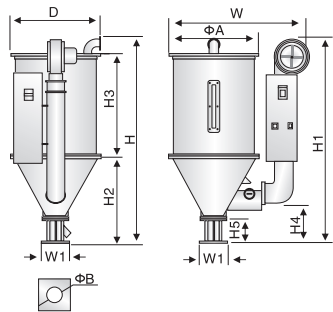
Adopt P.I.D. temperature control system, can accurately control, with working state indicator light on the operation panel, can clearly know the working condition of machine.



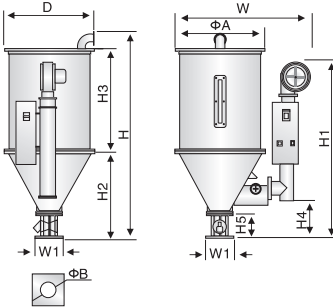
Model: EHD-50B

Specifications												
Model	EHD-	12B	25B	50B	75B	100B	150B	200B	300B	400B	600B	1000B
Material barrel capacity(L)		20	40	80	120	160	230	300	450	600	900	1500
Drying fan power(kW)		0.05	0.135	0.135	0.2	0.2	0.2	0.2	0.32	0.32	0.55	1.1
Drying heater power(kW)		2.2	3.0	4.0	4.5	6	6	12	15	18	21	30
H(mm)		865	1015	1150	1240	1340	1580	1759	1980	2100	2530	3000
H1(mm)		750	925	1050	1150	1340	1600	1480	1480	1850	2010	2240
H2(mm)		375	410	380	470	470	470	550	550	770	770	950
H3(mm)		370	460	530	620	700	1000	1100	1220	1220	1550	540
H4(mm)		110	210	220	220	220	220	258	258	300	300	1550
H5(mm)		170	170	170	170	170	170	160	160	220	220	220
W(mm)		660	725	840	840	840	840	1230	1230	1365	1365	1420
D(mm)		345	405	470	530	600	600	770	770	915	915	600
A(mm)		325	385	510	510	580	580	750	750	910	910	960
B(mm)		55	55	55	55	90	90	90	105	105	105	105
W1(mm)		108	150	150	150	220	220	255	255	345	345	345
Weight(kg)		30	35	40	50	70	75	120	120	160	240	300

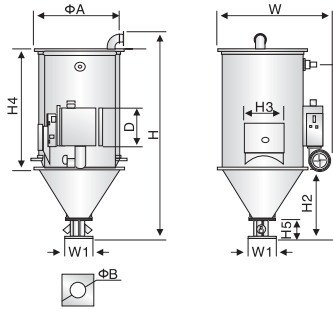
Note: 1) Change to controlled by single-phase power source (1PH230V50Hz), model plus S; (Models below EHD-75B)
2) Change to double heat insulation type material barrel, model plus I;
3) Retrofitting 24Hr timer, model plus T;
4) Voltage specification: 3 φ 400V,50Hz.
We reserve the right of change the specifications without prior notice.



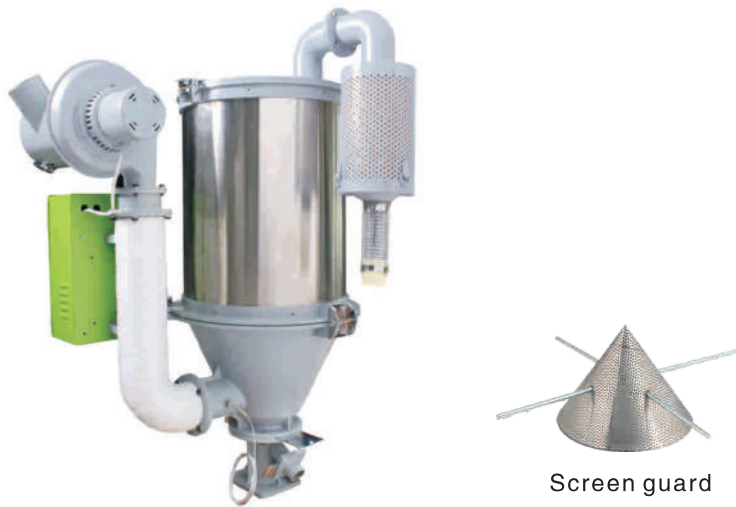
EHD-12B-300B



EHD-400B-600B



EHD-800B-1000B



Screen guard



Magnet base



Exhaust-air filter



Hopper magnet



Double tube suction box



Hot air recycling device

- Adopt even hot air and high performance hot air diffusing device to keep drying temperature even and improve drying efficiency.
- Specific hot air elbow pipe design, can avoid dust stacked in heater bottom conduct burning.
- Barrel and its inner contamination place with material are made of stainless steel, barrel separate with bottom for easy cleaning and fast material changing.
- Adopt twin digital display type temperature controller, P.I.D. temperature control technology, can accurately control temperature.
- With over-heat protection device and heater over-temperature fusing protection, can reduce accidents caused of artificial or mechanical fault.
- Every model can optional with warm-up timer device and double heat-insulate type barrel.
- EDL series combine drying and loading in one unit, easy to use and occupy small square meter, can optional with 24Hr timer start/stop device.



L-type combination of drying and loading

Specifications								
Model EDL-	25B	50B	75B	100B	150B	200B	300B	400B
Equipped Dryer Model	EHD-25B	EHD-50B	EHD-75B	EHD-100B	EHD-150B	EHD-200B	EHD-300B	EHD-400B
Equipped Loader Model	EML-700G EML-800G	EML-700G EML-800G	EML-700G EML-800G	EML-700G EML-800G	EML-800G	EML-800G	EML-2HP-G	EML-2HP-G
	EML-1HP-G EML-2HP-G	EML-1HP-G EML-2HP-G	EML-1HP-G EML-2HP-G	EML-1HP-G EML-2HP-G	EML-1HP-G EML-2HP-G	EML-1HP-G EML-2HP-G	EML-2HP-G	EML-2HP-G
	EML-1HP-G2 EML-2HP-G2	EML-1HP-G2 EML-2HP-G2	EML-1HP-G2 EML-2HP-G2	EML-1HP-G2 EML-2HP-G2	EML-1HP-G2 EML-2HP-G2	EML-1HP-G2 EML-2HP-G2	EML-2HP-G2	EML-2HP-G2
Equipped Hopper Model	ES-6 ES-6E	ES-6 ES-6E	ES-6 ES-6E	ES-6 ES-6E	ES-6 ES-6E	ES-6 ES-6E	ES-6/ES-12 ES-6E/ES-12E	ES-6/ES-12 ES-6E/ES-12E
Conveying Capacity (kg/hr)	300~450	300~450	300~450	300~450	300~450	300~450	300~450	300~450
H(mm)	2150	2300	2400	2500	2750	2930	3230	3350
H1(mm)	1600	1750	1850	1950	2200	2380	2680	2800
W(mm)	800	800	1000	1000	1000	1150	1150	1300
D(mm)	600	600	660	660	660	800	800	1000
Net Weight (kg)	95	110	120	150	160	200	220	260

Note:
 1)change to single phase power 1PH230V 50Hz controlling(EDL-75B and smaller model), model with S.
 2)change to double heat-insulate type barrel, model with I.
 3)retrofitting 24Hr timer, model with T.
 4)EML-300 and smaller model change to aluminum magnet base, model with M.
 5)G2 of loader model means one to two loading, standard configuration is one vacuum hopper and one electrical hopper.
 6)machine voltage is 3Φ, 400V, 50Hz.

We reserve the right to change specifications without prior notice.



Deuble L type foot-frame



L type foot-frame



A type foot-frame

- Adopt even hot air and high performance hot air diffusing device to keep drying temperature even and improve drying efficiency.
- Full digital type P.I.D. temperature control technology, LED panel display status.
- With over-heat protection device and heater over-temperature fusing protection, can reduce accidents caused of artificial or mechanical fault.
- EHD-50 and bigger models adopt open enable type material visible door, with good sealing effect and convenient to clean material.
- Unique down blowing air pipe design can evenly disperse hot air, keep plastic drying and increase drying efficiency.



EHD-50+Euro square foot-frame+suction box



Magnet base



Exhaust-air filter



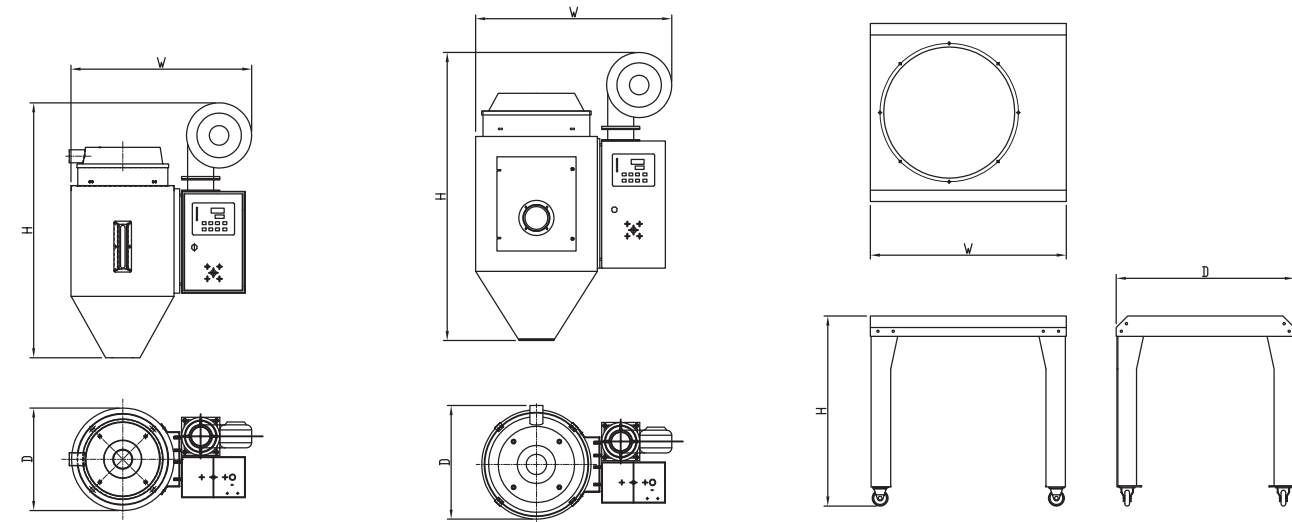
Hopper magnet



Double tube suction box



Hot air recycling device



EHD-25 and smaller model

EHD-50 and bigger model

EURO square foot-frame (demountable - type)

Specifications								
Model	Drying heater (KW)	Blower power (KW)	Barrel capacity (L)	Air inlet pipe dia. (inch)	Air outlet pipe dia. (inch)	External dimension of hopper dryer W*D*H (mm)	Dimension of foot frame W1*D1*H1 (mm)	Net weight (kg)
EHD -12	2.2	0.05	20	2	2	730x575x325	790x450x550	40
EHD -25	3.0	0.135	40	2	2	760x640x390	790x550x450	45
EHD -50	4	0.17	80	2	2	940x722x475	840x730x560	50
EHD -75	4.5	0.17	120	2	2	1210x722x475	840x730x560	60
EHD -100	6	0.2	160	2.5	2.5	1225x822x575	920x652x795	90
EHD-150	6	0.2	230	2.5	2.5	1505x822x575	920x652x795	100
EHD-200	12	0.32	300	3	3	1450x945x695	970x790x930	130
EHD-300	12	0.32	450	3	3	1850x945x695	970x790x930	160
EHD-400	18	0.4	600	4	4	1820x1170x915	1130x1000x1200	200
EHD-500	18	0.55	750	4	4	2100x1170x915	1130x1000x1200	220
EHD-600	18	0.55	900	4	4	2070x1410x1050	2760x1130x1130	410
EHD-800	18	0.55	1200	4	4	3350x1410x1050	3190x1145x1145	560
EHD-1000	32	3	1500	5	5	2950x1640x1250	3470x1340x1340	680
EHD-1300	32	3	2000	5	5	3350x1542x1250	3870x1340x1340	770
EHD-1600	48	5.5	2500	6	6	3510x1798x1400	4000x1482x1482	800
EHD-2000	48	5.5	3000	6	6	3910x1798x1400	4400x1482x1482	900
EHD-2300	64	7.5	3500	6	6	4310x1798x1400	4800x1482x1482	980
EHD-2600	64	7.5	4000	8	8	4050x2010x1600	4550x1680x1680	1160
EHD-2900	80	11	4500	8	8	4350x2010x1600	4850x1680x1680	1260
EHD-3300	80	11	5000	8	8	4650x2010x1600	5150x1680x1680	1390
EHD-3600	96	15	5500	8	8	4950x2010x1600	5450x1680x1680	1480
EHD-4000	96	15	6000	8	8	4350x2250x180	4870x1930x1930	1530
EHD-4300	112	18.5	6500	8	8	4650x2250x1800	5120x1930x1930	1620
EHD-4600	112	18.5	7000	10	10	4850x2250x1800	5370x1930x1930	1730
EHD-5200	128	22	8000	10	10	5350x2250x1800	5620x1930x1930	1800

Note:
1)Change to single phase power 1PH230V50Hz controlling(EDL-75B and smaller model), model with S.
2)Change to EURO safety circuit, model with "CE".
3)EHD-300 and smaller model change to aluminum magnet base, model with M.
4)Machine voltage is 3Φ, 400V, 50Hz.
We reserve the right to change specifications without prior notice.



Humanity Design

- Precision PID temperature controller.
- Removable stainless steel pumping session-style baking dish, the ingredients can be drying on the plate, easily removed and placed in.
- Rotating adjustable inlet and exhaust port design, easy to adjust the work required air flow.
- Rotary 24 hours timer device, easy to operate, precise timing.
- When baking with volatile materials, exhaust flange elbow can be chosen. It will exhaust the high temperature volatile gases to the outside and ensure the safety of operating personnel.
- Stainless steel pan and lined to prevent contamination of raw material.
- Pan and machine can be made as customer's need.

Various Applications

Applicable to all types of polymer materials drying and drying of different materials simultaneously, ideal for a small amount and diversity of raw material or the use of test mode can also be used in electronic, electrical , plating, paint, printing-related products the preheating or drying.

Safety Design

- Explosion proof high temperature sealed door design, which offers security and maintains a consistent inside temperature that reduces heat loss.
- Over temperature protection device avoids the bad drying quality causing by over temperature.
- Motor over load production device prevents the damage.
- Light warning alarm lamp indicates the fault.



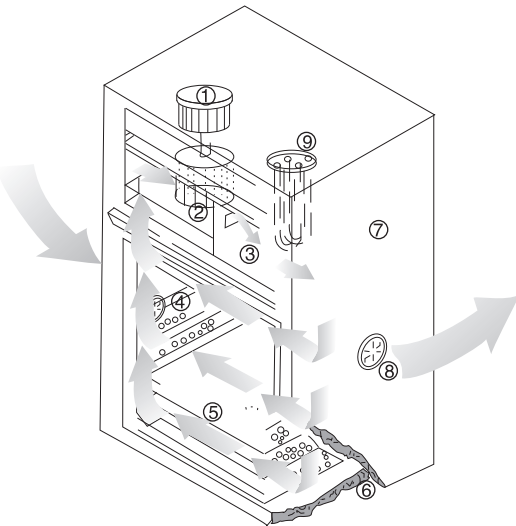
Model:ECD-9

Specifications								
Model	Heater Power (kW)	Fan Motor (kW)	Max. Drying Temperature (°C)	Plate Number	Total Tray Capacity (kg)	External Dimension H × W × D (mm)	Internal Dimension H1 × W1 × D1 (mm)	Weight (kg)
ECD-5	4	0.37	200	5	50	1200 × 800 × 610	660 × 600 × 550	150
ECD-9	4.5	0.37	200	9	90	1440 × 800 × 610	900 × 600 × 550	180
ECD-12	6	0.75	200	12	200	1700 × 800 × 610	1200 × 600 × 550	285
ECD-20	9	1.5	200	20	350	1700 × 1210 × 860	1000 × 990 × 800	365

Voltage of machine is 3PH 400V 50Hz.
Specifications and appearance are subject to change without notice, thanks for understanding.
Some parts is increase or decrease because of shooting needs, please confirm of actual orders.

Special Circulation Wind Optimization

When the machine is working, the air produced by fan goes through the drying zone and is dried. Then the air is evenly sent to baking area from the baffle hole to dry the material and wet air exhausted from air outlet.



1. Cycle motor

2. Multi layer wing wheel

3. Wind chamber

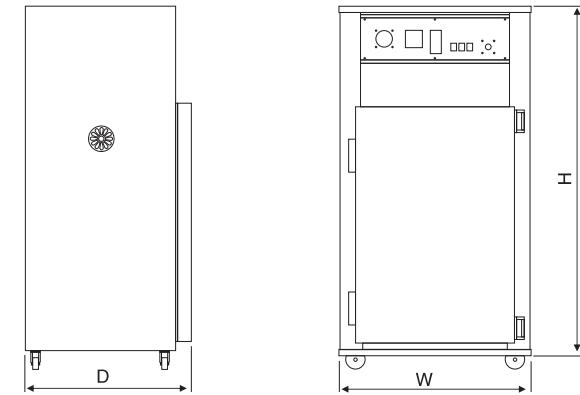
4. Air inlet

5. Stainless steel tray
6. Heat resisting and preservation rock wool


7. Baking paint for steel plate

8. Air outlet

9. Heating device



Enmair Is not a simple supplier of auxiliary equipment, we pay more attention to pre-sale, sales, after-sale of products, further improving production efficiency, to realize fully automated production and management. We constantly go beyond and wherever you are, we are your best partner in your production process.

 **Granulating and Recycling**





Model: EG-2326

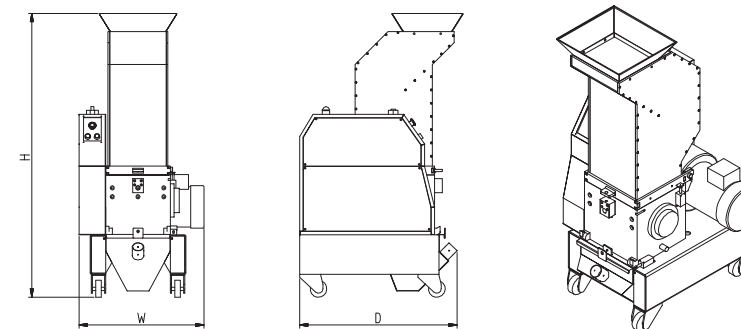
EG-23 Series Screenless Granulator is equipped staggered blades with cutter blades for multi-directional cutting and don't produce dust when crushing. It's suitable for granulating hard and thick materials to achieve recycling immediately.

Perfect Structural Design

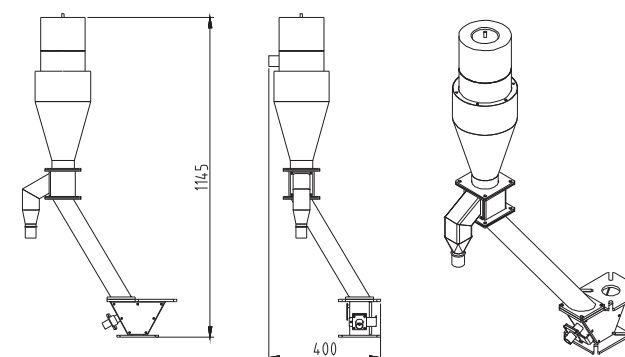
- Small size, low rotating speed, high torque, low noise and good performance.
- Equipped with motor over-heat protection, current overload protection and multiple other safety protection devices.
- Applied world famous brand gear motor, stable performance, long life and big transmission torque.
- Applied serrated blade and claw blade together which can coarse crushing and fine crushing at the same time.
- It is no-screen and granulate uniform particle with little powder which can be used together with new material.
- Unique Chain transmission reduces the impact of crushing, smooth running, low noise.
- It is easy to clean with the open design and European appearance.
- The feed box is made of PC, which is convenient for observe the material.

Specification			
Model	EG-2317 (H)	EG-2326(H)	EG-2335(H)
Motor Power (kW)	0.75(1.5)	1.5(2.2)	2.2(4)
Rotating Speed (rpm)	25	25	25
Material of Blades	SKD-11	SKD-11	SKD-11
Number of Claw Blades	1	2	3
Number of Serrated Blades	2	3	4
Cutting Chamber Dimension(mm)	230x170	230x260	230x350
Max. Throughput Capacity (kg/hr)	6(7)	9(10)	11(12)
Noise Level dB(A)	65~73	67~75	75~83
Recovery system	○	○	○
Full receiver alarm Device	○	○	○
Proportional Valves	○	○	○
Manual storage bin	○	○	○
Dimension H(mm) × W(mm) × D(mm)	1285x580x700	1285x670x700	1285x760x700
Weight(Kg)	280(300)	330(350)	400 (420)

Notice: "O" means optional; We reserve the right to change specification without prior notice.
Voltage of machine is 3PH 400V 50Hz.



Recycling device, which with dust separating functions, can remove the dust that existing in the crushing process more effectively, to better achieve immediately recycling.



Other Optional Devices:

- Proportional Valve: mixes regrind and new materials in a proper proportion.
- Magnet adsorption: avoid some iron going to cutting chamber from material inlet.
- Dust collection bags: Easy to clean and reduce pollution.
- Feed fan unit: It can load automatically.
- Full material alarm device: when the crushing material reaches to the setting value, the machine will stop and alarm.



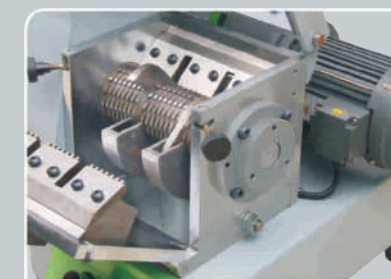
Safety control system



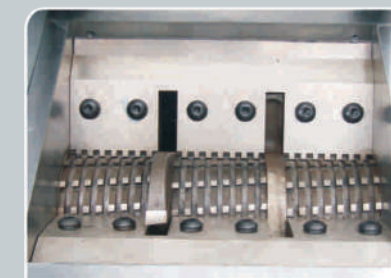
Visualization chassis design



Recycling-bins



Crushing chamber



Multi-directional cutters