Solar heat pump dry system 3P ▶▶▶▶

DryFree DRY TECHNOLOGY SOLUTIONS
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Agriculture heat pump dry system is a compact, high performance dry system.The operating temperature range is between 80° – 211° F (27°C – 85° C), this system is suitable for families and small factories agricultural products dry.

The system include heat pump, control system, fan, dehydration system, dry room and tray, operation voltage is 220V or 110V, lots of place user can use this system directly, Don't worry about the local voltage matching. The system is a complete heat pump dry system too, user needn't assemble them again. they connect power to dry system can use them directly.

Example food applications: Confectionary (Candy); Croutons; Fish and Sea Cucumber; Fruits and vegetables (apple; blueberry; kale; lime; onion; papaya; pineapple; tomato; Litchi; honeysuckle;raisin and so on); Meat (Beef Jerky); Mushrooms;rice; Petfoodt and so on.

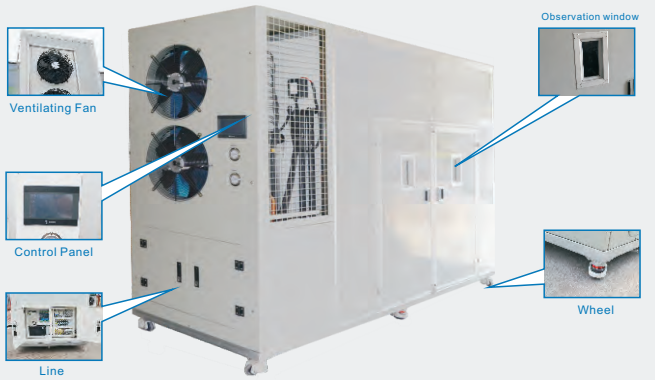
Advantage

1. 220V or 110V operation voltage, Apply anywhere
2. Function Reliable, low maintenance operation.
3. Client needn't to assemble and installation again.
4. Small footprint
5. Automatic control and operation with user friendly design.
6. Save 70% to 80% of your electrcial or oil or gas heating energy, Low operating costs
7. Waste heat recovery and utilization
8. Gentle drying: High consistent product quality
9. Leading edge control systems
10. Dry room inner hot air horizontal flow. temperature fairly well-distributed

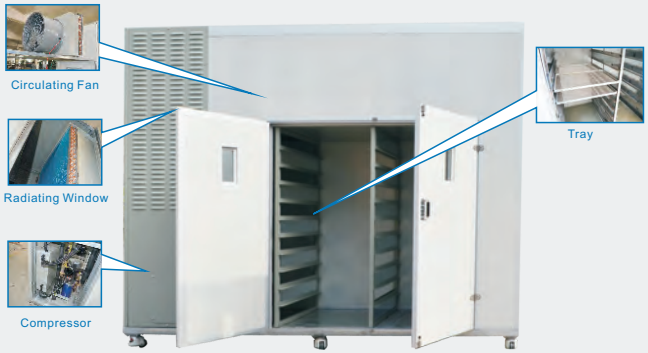
temperature and humidity automatic control. the compressor runs to remove moisture from the air whenever the relative humidity in the dry room is above the humidity set point. Since relative humidity and EMC are directly related, this system is ideal for those who want to dry mixed loads or are interested in equalizing the dry room charge.
This system is suitable for the drying field of humidity and temperature not Strict requiremnt , approximately 150 KG of wet fruit can be dried at one time

Solar heat pump dryer,integrate the advantage of solar energy and electric energy as in one. In 7 hours a day of light irradiation,Solar panels can provide about 15KWH energy to dry about 20kg moisture . 3P heat pump dryer can dry about 5kg moisture by use one kilowatt-hour electric energy .
With the combination of two kinds of drying methods, it can effective drying fruit,vegetables and other crops, energy conservation, improve efficiency.

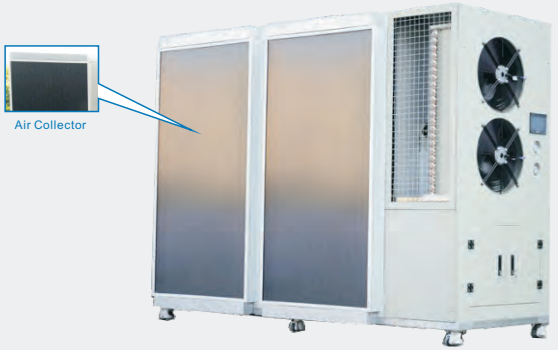
External Parts



Internal Parts



Internal Parts



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Technical Parameters

		Integrated heat pump dry system	
Power		220V/2N/50HZ	
Compressor	type	3HP	
	other	Fully enclosed scroll compressor	
Evaporator		aluminium	
condensator		aluminium	
Maximum Heating capacity		70℃	8KW
		80℃	6.5KW
		85℃	5.5KW
Rated input power			2KW
Rated input current		A	4A-6A
Maximum temperature /rated temperature		℃	85/80
Refrigerant Volume		KG	3.5
Ambient temperature		℃	›5
size (L×W×H)		mm	2710*1050*2240
insulation thickness		mm	50
tray quantity		pcs	40
tray size		mm	640*460*25
tray material			aluminium
equipment weight		KG	300
Noise in 1 meter		dB(A)	55
Exhaust Maximum temperature		℃	115
Exhaust pressure		Mpa	⩽2.35
Return air pressure		Mpa	⩾0.05
Air Collector		PCS	2

Sausage drying

Bean curd stick drying

Sweet potato drying

Banana drying

Bean vermicelli drying

Red date drying