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E-mail: Dingli03@dlbio-dryer.com
Add: Hongye, Avenue, Advanced Technology Developed District, Zhengzhou City, Henan Province, China

Quotation for 150-250 KG per Day Fruits&Vegetable Dryer

Country		Manufacturer	Zhengzhou Dingli New Energy Equipment Co.,Ltd
Company name		Contact	Brock
Contact		Phone	+86 1571368202
Phone		Email	Dingli03@dlbio-dryer.com
Email		Project No.	20250114-dlyi45
Equipment List	Heat bump dryer	Delivery	Spot good
Voltage	220V/50HZ	Payment Term	50% deposit, 50% paid before delivery
Photos	 		

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Integrated heat pump dryer introduction

Introduction to integrated drying room:

The small integrated drying room is a mobile integrated drying room designed by "organically integrating" the space for heating materials with the heat

pump unit. Multiple rollers are installed under the box, which can be moved by hand, and the drying position can be changed. It occupies a small area and is flexible to place. The integrated drying machine adopts PLC programmable control mode, which can set different drying curves, and the temperature and humidity control is fully automatic. The control is precise and the operation is simple. It has a power-off memory function and one-button setting to achieve fully intelligent drying. It has the advantages of saving space, building drying rooms and installation. It is designed by Zhengzhou Dingli Factory for drying enterprises or users with small planting scales, stricter drying grades and high material value.

Air energy heat pump dryer is a new type of high-efficiency energy-saving dryer. Its working principle is based on the reverse Carnot cycle principle. It uses a small amount of electricity and a compressor to evaporate the working fluid into gas in the evaporator after passing through the expansion valve, and absorbs a large amount of heat energy in the air. The gaseous working fluid is compressed by the compressor into high-temperature, high-pressure gas, and then enters the condenser to release heat to heat the drying medium. In this way, the drying medium can be heated to 40℃～85℃ through continuous circulation heating. Compared with electric drying machines, it saves two-thirds of electricity. It is widely used in hot air drying projects below 85 degrees, such as: edible fungi (shiitake mushrooms, fungus, morels, tea tree mushrooms, bamboo fungus), etc.; Chinese herbal medicines (turmeric, honeysuckle, Panax notoginseng, Gastrodia elata, rhubarb, ginseng), etc.; fruits (red dates, kiwis, blueberries), etc.; vegetables (peppers, day lilies, dried vegetables, yam), etc.; industrial products (Buddha incense, bacon, bamboo products, tobacco leaves, tea leaves), etc.

Advantages of integrated drying room:

The integrated drying room used by our company is the main equipment of the fruit and vegetable drying and processing production line. The integrated drying room in the production line is a set of 7P90 grid heat pump drying room, which can dehydrate vegetables into dry products with a water content of about 10-15%.

1. No pollution to materials: The closed circulation of the drying medium can avoid the impurity contamination of the materials caused by the exchange of external gases, which is especially important for agricultural products with certain trace element detection requirements.
2. High efficiency and energy saving: Air drying has the advantage of consuming a small amount of power to produce a large amount of heat. Therefore, the SMER (the amount of moisture removed from the wet material per unit of energy consumed) of the air dryer is usually 1.0-4.0Kg/kwh, while the SMER value of the traditional convection dryer is about 0.2-0.6Kg/kwh.
3. No pollution to the environment: The drying medium in the air-energy drying device is closed and circulated, and there is no pollution caused by the discharge of material dust, volatile substances and odor into the environment with the drying waste. The waste heat in the exhaust of the drying chamber is directly recovered by the heat pump to heat the cold dry air, and there is no thermal pollution to the environment by the unit.

4. Customized process: With a complete set of baking processes for different products, it is beneficial for users to dry high-quality products after getting the equipment, helping users to gain economic benefits in the shortest time.

5. Good drying quality: The equipment is equipped with accurate temperature and humidity detectors, and uses accurate temperature and humidity control systems to ensure that the baked products do not deform or discolor, have a good appearance, and the internal nutritional value and medicinal value are not lost. The accurate moisture content can better ensure that the quality of the product meets the standard.

6. Low operating cost: Compared with ordinary drying devices, the energy efficiency of heat pump dryer drying devices is much higher than that of electric heating devices, gas or coal-fired hot air furnaces, etc., and its operating costs are lower and the comprehensive economic advantages are obvious.

7. Wide range of applicable materials: Materials suitable for drying are mainly all materials that can withstand temperatures between 20-80℃ during the drying process, or materials that can withstand higher temperatures but are more energy-efficient or safer to dry with air.

8. Convenient operation: The equipment has a high degree of automation and does not require special personnel to supervise. The drying process is all controlled by a microcomputer. The equipment is easy to operate. Customers only need to press the start button. The equipment automatically controls the temperature and humidity in the baking room according to the set baking parameters until the baking is completed, which greatly reduces the labor intensity of users.

9. Strong site adaptability: The integrated free-installation design with casters can be easily and quickly moved to a place suitable for drying processing, and can be directly produced and processed after wiring.

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Equipment List

Code	Equipment	Photos	Types	Specifications	Unit	Qty
101	Heat pump dryer		DLHD-3P/30	Overall size: 2520*1150*2100 mm(Without the warning led) Weight : 359 kg Power rating: 9kw Host power:2.4kw(Include the fan) Electric auxiliary power: 2.4 kw Circulation fan power:1.1 kw Circulating air volume: 7500-5000 m³/h Dehumidification fan power:0.12 kw Dehumidification air volume:1200-800m³/h Operating temperature range/: -5℃-45℃ Drying temperature range: environment temperature - 75℃ Number of floors in the room: 16 Layer spacing (MM)： 110mm Number of network trays: 30 size:800mm*1000mm"(304SS)	Set	1
Total					**Set**	**1**

All equipment EXW Zhengzhou City, China 4,100 USD.

The above equipment picture model is for reference only

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