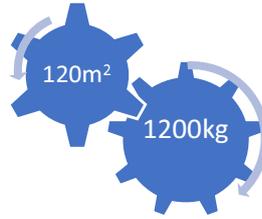


## Freeze dryer FD-1200



### FD-1200 Freeze dryer introduction

FD-1200 industrial freeze dryer's fresh food product input capacity is 1200kg, a good model for export and shipped by container as its length is just fit a 40 feet container. The water in the fresh food is quickly frozen to  $-35^{\circ}\text{C}$  becoming ice. And the ice is sublimated in a vapor and removed out of the product, collected on a low temperature vapor condenser. The product is dried 100% natural, without shape changing, color changing, nutrition lost, flavor lost, longer shelf time without additives and preservatives. The FD-1200 industrial freeze dryer machine is widely used in food industrial applications to process fruits, vegetables, plants, meat, sea food, cooked food, milk, coffee, pet's food etc.



### User-friendly design

Scientific and reasonable workshop layout; The height of equipment is easy for people to operate; 4 languages in touch screen and showing at any page, the operators would never lose themselves at a foreign language page; 1 touch screen near the door, and 1 touch screen on the control box. It is convenient in use. And system can be run automatically.

### Equipment Safety

The KEMOLO industrial freeze dryers are with all necessary protections. The users are free from any risks of explosion, combustion and electric shock.

### 5G/4G/WiFi monitor and control

KEMOLO industrial freeze dryer could be monitored and controlled by PC or mobile phone App through 5G/4G or WiFi.



### Technical specification

Model	FD-1200
Capacity	1200kg/batch
Vapor Condenser Temperature ( $^{\circ}\text{C}$ )	$-45^{\circ}\text{C}$
Shelf Temperature ( $^{\circ}\text{C}$ )	Ambient temperature to max. $100^{\circ}\text{C}$
Product Cooling	In IQF ( $-35^{\circ}\text{C}$ )
Shelf Area	120.0m <sup>2</sup>
Trolley	Included
Rail I steel, elbow & IQF	Included
Refrigeration compressor	Screw type
Refrigerant	R404A (Users provide)
Cooling way	By air/water cooling
Vacuum system	Vacuum pump + booster
Ultimate vacuum level (Pa)	10 Pa
Installed power	204 kW
Defrost way	By hot water
Control system	PLC with HMI; Manual & Auto control, Records
Installation area (m <sup>2</sup> )	250 m <sup>2</sup>
Chamber dimension	10060*2600*3200mm (L*W*H), SUS304
Estimated Weight (kg)	19000kg