



CANNAFREEZE

"Enhancing Product Quality & Profits"

CANNABIS FREEZE DRYER

"Stainless Programmable"

**2026
STANDARD**

MODEL FC 500 + 120 KW CHILLER



PRICED AT \$1,016,565

(APPROXIMATELY 785 LBS/24 - 36 HOURS)

This is the newest concept in a programmable, food grade freeze dryer built to exacting specifications for the cannabis and hemp industries.

The FC 500 freeze dryer is a short cycle, high performance unit featuring stainless steel shelves conducting heat directly to the product. Freeze drying conduction does not require high shelf temperatures and is instrumental in retaining cannabinoids.

TECHNICAL DATA

FC 500

Some of the key features of this unit are:

- Fast drying capabilities of 24 – 36 hours for approximately 785 lbs. depending on product type
- Fully programmable automatic cycle with 19 Inch touch screen HMI
- Remote access via internet and direct factory support
- Shelf area of 549 Sq Feet and a shelf spacing of 2.36 Inches
- Fast initial product freezing via conduction
- The refrigeration system is water cooled, and a 120kw chiller is supplied with the freeze dryer.

Built to exacting specifications at our ISO:9001 Factory.

Onsite commissioning will be completed by a CannaFREEZE team member.

| | |
|-----------------------------------|-----------------------------------------------------|
| ICE CONDENSER CAPACITY: | 250 Qts x 2 |
| ICE CONDENSER TEMPERATURE: | -103°F |
| DEFROST: | Continuous Cold Steam |
| SHELF DIMENSIONS: | 67 x 51 Inches |
| NUMBER OF SHELVES: | 23 + 1 (138 Trays) |
| SHELF AREA: | 549 Sq Feet |
| SHELF SPACING: | 2.36 Inches |
| SHELF TEMPERATURE: | -85°F to +194°F |
| COOLING SYSTEMS: | Water Cooled |
| REFRIGERATION: | Screw Compressor |
| UNIT DIMENSIONS: | 94.5 x 86.6 x 240 In H x W x L (Door Add 15.75") |
| REFRIGERANT: | R-404A (NON-CFC) |
| VACUUM: | Pfeiffer Hena Plus: OCTA Roots Pump |
| ELECTRICAL SPECS: | 460/480 Volt 50/60 Cycle 3 Phase + Ground |
| AMPERAGE: | 250 Amp |
| WEIGHT: | 22,046 lbs |
| FREIGHT: | Ocean/40 Ft. Container |



CANNAFREEZE
Young, Arizona USA 85554



PHONE: 623-826-5918
WEBSITE: www.cannafreeze.net
EMAIL: rldelong@cannafreeze.net (1/1/26)



CANNAFREEZE

"Enhancing Product Quality & Profits"

CANNABIS FREEZE DRYER

"Stainless Programmable"

2026
STANDARD

MODEL FC 500 - 120 KW CHILLER



GENERAL DATA

| 120 KW CHILLER | |
|---------------------------|-----------------|
| COOLING CIRCUITS | 2 |
| COMPRESSORS | 4 – Scroll |
| CAPACITY CONTROL | 0-25-50-75-100% |
| POWER | 460/3/60 |
| FANS | 2 – Axial |
| CONDENSER AIR FLOW | 25,895 cfm |
| POWER (EACH) | 2.5 kW |
| AVAILABLE STATIC PRESSURE | 0 "wc |
| TANK VOLUME | 132 gal |
| LENGTH | 130 in |
| WIDTH | 49.4 in |
| HEIGHT | 85.0 in |
| WEIGHT | 3,634 lb |
| AMPERAGE | 84 A |

PERFORMANCE

| 120 KW CHILLER | |
|----------------------------|-----------------------------|
| REFRIGERANT | R410A |
| HYDRAULIC KIT | P3 |
| INLET WATER TEMPERATURE | 69°F |
| OUTLET WATER TEMPERATURE | 59°F |
| GLYCOL TYPE | 25% Propylene Glycol |
| AMBIENT TEMPERATURE | 95°F |
| COOLING CAPACITY | 34.5 Tons 414,000 Btu/Hr |
| TOTAL ABSORBED POWER | 42.2 kW |
| EVAPORATOR WATER FLOW RATE | 85.9 gpm |
| AVAILABLE HEAD PRESSURE | 39 psi |
| MIN AMBIENT TEMPERATURE | 23°F |
| MAX AMBIENT TEMPERATURE | 109°F |



CANNAFREEZE
Young, Arizona USA 85554



PHONE: 623-826-5918
WEBSITE: www.cannafreeze.net
EMAIL: rldelong@cannafreeze.net (1/1/26)