



CANNAFREEZE

"Enhancing Product Quality & Profits"

CANNABIS FREEZE DRYER

"Stainless Programmable"

2023
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
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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



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