



# CANNAFREEZE

*"Enhancing Product Quality & Profits"*

## CANNABIS FREEZE DRYER

*"Stainless Programmable"*

**2024**  
STANDARD

**MODEL FC 50 + 15 KW CHILLER** **PRICED AT \$194,995** (APPROXIMATELY 80 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 50 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 50

<b>ICE CONDENSER CAPACITY:</b>	165 lbs
<b>ICE CONDENSER PERFORMANCE:</b>	132 lbs/24 Hrs
<b>ICE CONDENSER TEMPERATURE:</b>	-76°F
<b>DEFROST:</b>	Hot Gas
<b>SHELF DIMENSIONS:</b>	25.6 x 31.5 Inches
<b>NUMBER OF SHELVES:</b>	8 + 1 (16 Trays)
<b>SHELF AREA:</b>	54 Sq Feet
<b>SHELF SPACING:</b>	2.36 Inches
<b>SHELF TEMPERATURE:</b>	-58°F to +194°F
<b>COOLING SYSTEMS:</b>	Water Cooled
<b>REFRIGERATION:</b>	Two Stage
<b>UNIT DIMENSIONS:</b>	83 x 63 x 98 In H x W x L
<b>REFRIGERANT:</b>	R-404A (NON-CFC)
<b>VACUUM:</b>	Pfeiffer Duo 35
<b>ELECTRICAL SPECS:</b>	460/480 Volt 50/60 Cycle 3 Phase + Ground
<b>AMPERAGE:</b>	40 Amp
<b>WEIGHT:</b>	3,908 lbs
<b>FREIGHT:</b>	Crated/Ocean

#### Some of the key features of this unit are:

- Fast drying capabilities of 24 – 36 hours for approximately 80 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 54 Sq Feet and a shelf spacing of 2.36 Inches
- Fast initial product freezing via conduction
- The refrigeration system is water cooled, and a 15 kw chiller is supplied with the freeze dryer.

**The Model FC 50 is also ideal for large scale product development and small scale production activities.**

**Built to exacting specifications at our ISO:9001 Factory.**

**Onsite commissioning will be completed by a CannaFREEZE team member.**



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## MODEL FC 50 - 15 KW CHILLER



### GENERAL DATA

15 KW CHILLER	
COOLING CIRCUITS	1
COMPRESSORS	1 – Scroll
CAPACITY CONTROL	0-100%
POWER	460/3/60
FANS	1 – Axial
CONDENSER AIR FLOW	3,590 cfm
POWER (EACH)	0.76 kW
AVAILABLE STATIC PRESSURE	0 "wc
TANK VOLUME	30.4 gal
LENGTH	51.6 in
WIDTH	26 in
HEIGHT	55.1 in
WEIGHT	765 lb
AMPERAGE	13 A

### PERFORMANCE

15 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	5.12 Tons 61,440 Btu/Hr
TOTAL ABSORBED POWER	6.33 kW
EVAPORATOR WATER FLOW RATE	12.8 gpm
AVAILABLE HEAD PRESSURE	39 psi
MAX AMBIENT TEMPERATURE	108°F



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