



NutriFREEZE

"Enhancing Product Quality & Profits"

"Stainless Programmable Short Cycle"

FREEZE DRYER

**2026
STANDARD**



**MODEL
FC-R 250 +
60 KW CHILLER**

PRICED AT \$569,900
(550 POUNDS/16-24 HOURS)

The FC-R Range of short cycle freeze dryers use radiant heat energy, and a rapid load/unload trolley and cassette system.

Simply pre-freeze your product in a walk-in freezer, roll the trolleys to the freeze dryer, and slide the cassettes into the product chamber. Loading and unloading takes just minutes.

Some of the key features of this unit are:

- Fast drying of 550 pounds of product in 16-24 hours
- Fully programmable cycle with a 19 inch touch screen HMI
- Tray area of 264 square feet
- Shelf spacing of 3.15 inches
- Supplied with 2 trolleys, 2 cassettes, and 2 sets of trays (88 x 2)
- This freeze dryer is supplied with a 60 KW Chiller

Built to exacting specifications at our ISO:9001 Factory.

CE Certified

Onsite commissioning will be completed by a NutriFREEZE team member.

TECHNICAL DATA

FC-R 250

CONTROL SYSTEM:	Fully Programmable
ICE CONDENSER CAPACITY:	Continuous Defrost
ICE CONDENSER TEMPERATURE:	-67°F/-55°C
DEFROSTING:	Continuous Cold Stream
NUMBER OF SHELVES:	22 Shelves (88 Trays)
LOADING SYSTEM:	Cassette/Trolley
TOTAL SHELF AREA:	264 Square Feet
SHELF TEMPERATURE:	Up to +266°F/+130°C
REFRIGERATION:	Two Stage Compressor
REFRIGERANT:	R-404A
COOLING SYSTEMS:	60 KW Chiller-Water/Glycol
VACUUM SYSTEM:	Pfeiffer Duo 125
ELECTRICAL SPECIFICATIONS:	460/480 Volt, 60 Cycle, 3 Phase
AMPERAGE:	160 Amp Dedicated Line
UNIT DIMENSIONS:	217 x 87 x 87 inches L x W x H
WEIGHT:	12,125 Lbs



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MODEL FC-R 250 - 60 KW CHILLER



GENERAL DATA

60 KW CHILLER	
COOLING CIRCUITS	1
COMPRESSORS	2 – Scroll
CAPACITY CONTROL	0-50-100%
POWER	460/3/60
FANS	1 – Axial
CONDENSER AIR FLOW	11,413 cfm
POWER (EACH)	1.03 kW
AVAILABLE STATIC PRESSURE	0 "wc
TANK VOLUME	92.5 gal
LENGTH	89 in
WIDTH	34 in
HEIGHT	82 in
WEIGHT	2202 lbs
AMPERAGE	47 A

PERFORMANCE

60 KW CHILLER	
REFRIGERANT	R410A
HYDRAULIC KIT	P3
INLET WATER TEMPERATURE	90°F
OUTLET WATER TEMPERATURE	59°F
GLYCOL TYPE	25% Propylene Glycol
AMBIENT TEMPERATURE	95°F
COOLING CAPACITY	18.3 Tons 219,600 Btu/Hr
TOTAL ABSORBED POWER	24.8 kW
EVAPORATOR WATER FLOW RATE	45.6 gpm
AVAILABLE HEAD PRESSURE	39 psi
MAX AMBIENT TEMPERATURE	110°F

