

K249SDF Pharmaceutical / Laboratory

USES: / CLINICAL APPLICATIONS / VACCINES & MEDICATIONS / BIOLOGICS / DIAGNOSTICS KITS / MOLECULAR BIOLOGY / INDUSTRIAL TESTING



K249SDF
Solid Door



K249SDF-SS
Solid Door

K2's 49 cu. ft. high-performance laboratory / pharmaceutical freezers are designed for the most rigorous life science, research, healthcare, clinical, and commercial applications. Featuring an intelligent microprocessor controller with digital display and adjustable temperature control, temperature stability of +0.88°C and -1.87°C from the set point. Environmentally friendly, natural refrigerants are fully compliant with new EPA/SNAP/UL regulations.

- Intelligent microprocessor controller with digital display and adjustable temperature control
- Visual and audible hi or low temperature, sensor failure, door ajar alarms
- Keyed door locks
- Magnetically sealed door with rapid cool-down mode after door opening for quick temperature recovery
- Door-activated and exterior switch-activated interior LED lighting
- Cabinet constructed of white powder-coated 304 steel with CFC-free, high-density insulation (2.4' thick)
- R290 refrigerant, an environmentally green option compliant with future EPA and SNAP non-ozone depleting mandates
- Easy swivel casters
- Remote dry alarm contacts
- 0.75-inch temperature probe and, one data logger access port
- UL and cUL listed (61010-1)
- Shelves are adjustable by 1-inch increments
- Energy Star high-performance certified and listed
- Built and shipped from ISO 9001:2015 manufacturing and distribution facilities
- Each cabinet undergoes three quality control checks prior to shipping
- Warranty: two-year full-replacement for parts or compressor failure plus three additional years for compressor replacement

Plug Type
Standard: NEMA 5-15
Optional: NEMA 5-20



MODEL NUMBER	CAPACITY CU. FT. / liters	INTERIOR Width x Depth x Height	EXTERIOR Width x Depth x Height	TEMP RANGE (SETPOINT)	DOORS	SHELVES	DEFROST	CERTIFICATION	SHIPPING WT. kg / LBS.
K249SDF K249SDF-SS	49/1400	W-1320mm (51.97") D-665mm (26.18") H-1520mm (59.84")	W-1440mm (56.69") D-800mm (31.5") H-2048mm (79.25")	-25° TO -10°C Preset -25°C	2	8	AUTO	UL / cUL	205KG (450LBS)

Built and shipped from ISO 9001:2015 manufacturing and distribution facilities

Application	High-performance storage of blood, vaccines, pharmaceuticals and laboratory products	
Model#	K225	K249
Storage Volume	25 cu ft	49 cu ft
Performance Characteristics		
Exterior (W x D x H)	28.35" x 31.5" x 79.25"	56.69" x 31.5" x 79.25"
Interior (W x D x H)	23.62" x 26.18" x 59.84"	51.97" x 26.18" x 59.84"
Insulation	CFC-free, high density insulation	
Doors	1	2
Door Perimeter Heater	Standard	
Shelves	4	8
Access Port	0.75" Probe Port	
Casters	Standard	
Unit Weight	253 lbs	465 lbs
Performance		
Peak Variance*	3.6°C	4.4°C
Uniformity	2.2°C	1.9°C
Recovery (in minutes)	14	22
Stability	+ 0.88°C / - 1.87°C	+ 1.32°C / - 1.34°C
Energy Consumption (KWhr/day)*	5.34	7.39
Heat Rejection (BTU/hr)	3586	5095
Pulldown time to -25°C (in Minutes)	62	76
Adjustable Set Point Range	- 10°C to -30°C	
Factory Set Point	- 25°C	
Electrical Power/ Current	120v 60 Hz	
Building Supply Rating	15 Amp	
Power Plug/Cord Length	NEMA 5-15 / 10ft cord	
Agency Listings	UL/cUL, FDA	
VFC Compliant	Yes	
Energy Star	Yes	
Indoor/Outdoor Use	Indoor use only	
Application Environment	Non-corrosive, non-flammable, non-explosive	
Ambient Operating Temp. (°C)	25°C to 32°C	
Refrigeration		
Refrigeration System	Vapor compression system, forced-air	
Compressor	Hermetic sealed compressor	
Condenser Type	Steel tube and fins	
Expansion Device	Capillary tube	
Evaporator Type	Copper aluminum coated (1000 hours tested salty fog)	
Defrost	Smart- hot gas	
Refrigerant	R290 (Propane)- EPA, SNAP compliant	
Controller/System Configuration		
User Interface	Microprocessor with digital display	
Power Switch	On/Off	
Controller Type	Digital controller	
Security	Lockable doors	
Control Sensor	NTC probe	
Remote Alarm Terminals	Standard	
High/Low Alarms	Standard	
Power Failure Alarm	Standard	
Door Ajar Alarm	Standard	
Options	Stainless steel, roll-out drawers	
Warranty	2 years parts & labor, 5 years on compressor	
*Data according to EPA Energy Star https://www.energystar.gov/productfinder/product/certified-lab-grade-refrigeration/results		

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