

# K249GDR Pharmaceutical / Laboratory

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

K2's 49 cu. ft. high-performance laboratory / pharmaceutical refrigerators 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 +1.32°C and, -1.34°C from the set point. Environmentally friendly, natural refrigerants are fully compliant with new EPA/SNAP/UL regulations.



- 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
- Remote dry alarm contacts
- 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
- Easy swivel casters
- 0.75-inch temperature probe and, one data logger access port
- UL and cUL listed (61010-1)
- Energy Star high performance certified and listed
- Each cabinet undergoes three quality control checks prior to shipping
- Shelves are adjustable by 1-inch increments
- Warranty: two-year full-replacement for parts or compressor failure plus three additional years for compressor replacement



**K249SDR**  
Solid Door



**K249GDR**  
Glass Door



**K249SDR-SS**  
Stainless Solid Door



**K249GDR-SS**  
Stainless Glass Door

**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 (SETPPOINT)	DOORS	SHELVES	DEFROST	CERTIFICATION	SHIPPING WT. kg / LBS.
K249SDR K249GDR K249SDR-SS K249GDR-SS	49/1400	W-1320mm (51.97") D-665mm (26.18") H-1520mm (59.84")	W-1440mm (56.69") D-800mm (31.5") H-2013mm (79.25")	1 TO 12°C  Preset +4°C	2	8	AUTO	UL / cUL	205KG (450LBS) 215KG (474LBS) 205KG (450LBS) 215KG (474LBS)

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

<b>Application</b>	<b>High-performance storage of blood, vaccines, pharmaceuticals and laboratory products</b>					
<b>Model#</b>	<b>K212</b>	<b>K225</b>	<b>K230</b>	<b>K249-SD</b>	<b>K249</b>	<b>K272</b>
Storage Volume	14 cu ft	25 cu ft	30 cu ft	45 cu ft	49 cu ft	72 cu ft
<b>Performance Characteristics</b>						
Exterior (W x D x H)	28.35"x 25.27"x 71.75"	28.35"x 31.5"x 79.25"	33.85"x 37.8"x 79.25"	56.69"x 31.5"x 79.25"	56.69"x 31.5"x 79.25"	85.04"x 33.46"x 79.25"
Interior (W x D x H)	23.62"x 26.18"x 59.84"	23.62"x 26.18"x 59.84"	27.5"x 37.8"x 59.84"	51.97"x 26.18"x 59.84"	51.97"x 26.18"x 59.84"	80.31"x 26.18"x 59.84"
Insulation	CFC-free, high density insulation					
Doors	1	1	1	2- Sliding	2	3
Door Perimeter Heater	Standard					
Shelves	4	4	4	8	8	12
Access Port	0.75" Probe port					
Casters	Yes					
Unit Weight	195 lbs	253 lbs	440 lbs	465 lbs	465 lbs	694 lbs
Agency Listings	UL/cUL	UL/cUL, FDA	UL/cUL	UL/cUL	UL/cUL, FDA	UL/cUL, FDA
<b>Performance</b>						
Peak Variance*	4.4°C	3.6°C	4.5°C	3.4°C	4.4°C	3.4°C
Recovery						
Stability	+ 2.0°C / - 2.0°C	+ 0.63°C / - 1.4°C	NA	+ 1.32°C / - 1.34°C	+ 1.32°C / - 1.34°C	+ 0.88°C / - 1.87°C
Energy Consumption (KWhr/ day)*	3.04	3.85	2.77	3.81	3.81	8.67
Adjustable Set Point Range	1°C to 12°C					
Factory Set Point	+ 4°C					
Electrical Power/ Current	120v 60 Hz					
Building Supply Rating	15 Amp					
Power Plug/Cord Length	NEMA 5-15 / 10ft cord					
VFC Compliant	Yes					
Energy Star	Yes					
Indoor/Outdoor Use	Indoor use only					
Application Environment	Non-corrosive, non-flammable, non-explosive					
Ambient Operating Temp. (oC)	25°C to 32°C					
<b>Refrigeration</b>						
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					
<b>Controller/System Configuration</b>						
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 parts					
*Data according to EPA Energy Star <a href="https://www.energystar.gov/productfinder/product/certified-lab-grade-refrigeration/results">https://www.energystar.gov/productfinder/product/certified-lab-grade-refrigeration/results</a>						

# K249

