

Data sheet

Phononic F200 Merchandising Freezer

The Phononic F200 Merchandising Freezer is the world's first and only commercial merchandising freezer to use solid-state technology. Compact, quiet and vibration-free, this freezer enables in-store freedom of placement to bring merchandise within the shopper's reach. Using Phononic's breakthrough solid-state technology, the F200 also delivers best in class temperature consistency and stability. This makes the F200 freezer a great fit for grocery, convenience stores, restaurants and entertainment venues to drive impulse sales for frozen treats at checkout.



Drive sales growth, profitability and elevate visibility

- **Increase impulse sales**
Typical perimeter placement of coolers and freezers seriously limits opportunities for impulse purchases. The near-silent, vibration-free operation of Phononic's compact merchandisers allows you to showcase individual serving sizes in the highest traffic areas, especially at checkout.
- **Drive higher product margins**
Traditional cooler and freezer configurations do not typically have space to highlight single-serve products. Claiming the checkout counter for those high-margin chilled and frozen items will multiply your grab-and-go sales.
- **Small footprint & impressive capacity**
Without a compressor, solid-state coolers and freezers offer ample capacity in a very small footprint. The Phononic F200 and C200 fit on existing product shelves, checkout stations and food services counters – places where customers are ready to make a purchase.

Eliminate maintenance and operational issues

- **Worry free maintenance and dependability**
With fewer parts to fatigue and fail over time, solid-state coolers and freezers don't require frequent service calls. This not only decreases repair costs, but also increases uptime and revenue.
- **Low temperature heat output**
The tight control cycle of solid-state cooling results in unmatched temperature uniformity with a lower, more consistent heat out. This prevents any heat related damage to nearby packaged food.
- **Near-silent operation**
Without the noise and vibration of conventional compressor-based coolers, solid-state refrigerators and freezers can be placed right at the point-of-sale without disrupting customers.
- **Low current consumption**
Due to the high voltage and current demands of conventional freezers, each one often requires a dedicated circuit. With the high-energy efficiency and lower electrical demands of the Phononic F200, you can put multiple freezers on a single circuit.

Basic Information	
Model	PFF004SGA-PB1
Materials	Painted Steel, Aluminum, Plastic, Tempered Glass
Power input	100-240VAC 50Hz-60Hz [external adapter, 200x100x30mm]
Power cord	1.8 Meter, NEMA 5-15
Internal lighting	Yes
Performance	
Temperature Set-point	-18 °C, -0.4 °F
Temperature Uniformity	3 °C
Temperature Stability*	< 1 °C
Noise Level	39 dBA
Energy Requirements	3.7 kWh/day @ 24 °C Ambient / 75.2 °F
Rated Amps	3.5 Amps
Safety	
Certifications	UL 471, FCC, NSF-7
Storage	
Refrigerant	R744 [CO ₂]
Internal Volume	0.4 cubic feet
Storage Bin	Clear Polycarbonate
Bin Dimensions	390mm x 163mm x 142mm
Packing Factor	up to 48 frozen treats/Novelties
Installation	
Internal Dimensions	16.9" W x 6.2" D x 7.0" H; 429mm W x 157mm D x 179mm H
External Dimensions	19 3/4" W x 10 7/8" D x 10 3/4" H; 501mm W x 276mm D x 273mm H
Product Weight	35 lbs
Minimum Clearance Requirement	50mm top, 150mm back
Warranty	
Heat Pump	7 years
Full Freezer Parts and Labor	1 year

* Ambient range 10-32 °C, 40-70% RH, Elevation up to 2000M, Pollution Degree 2, IP3x

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