



ilShin -86°C Upright Freezers

Lowest Noise Level In The World:

With a combination of a reliable cooling system together with a unique door sealing system (Perfect Fit System[®]), and non CFC refrigerants our models achieve noise levels of +/- 50 dBA, the lowest in the market.



Centralized Control System:

- Multi-Position Key Switch: On, Off, Set
- Battery Alarm
- Condenser Temperature Alarm
- Power Failure Alarm
- High and Low Temperature Alarm
- Bright Easy To Read Digital Display
- Temperature Set Points





Automatic Voltage Boosting System:

Voltage Monitoring System and Automatic Voltage Boosting System constantly monitor your current electric situation and adjusts accordingly by boosting levels during times of inadequate voltage or heavy strain.



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Standard Specifications Cascade Refrigeration System:

Model No:	DF8510	DF8514	DF8517	DF8520	DF8524
Capacity	10 Cu. Ft.	13 Cu. Ft.	17 Cu. Ft.	21 Cu. Ft.	26 Cu. Ft.
Exterior Dimensions W x D x H	36.2" x 35.4" x 68.5"	36.2" x 35.4" x 78"	36.2" x 41.3" x 78"	42.1" x 41.3" x 78"	42.1" x 46.5" x 78"
Interior Dimensions W x D x H	23.6" x 18.9" x 37.8"	23.6" x 18.9" x 50.4"	23.6" x 24.8" x 50.4"	29.5" x 24.8" x 50.4"	29.5" x 29.9" x 50.4"
Insulation	5" Non CFC, Foamed in Place Polyurethane				
Electrical	110V/60Hz or 208/230V/60Hz			208/230V/60Hz	
Certification	   				
Weight	646.8 lbs	734.8 lbs	836 lbs	902 lbs	990 lbs
Noise Level	In normal operation and ambient conditions of 20° C (68° F) all +/- 50dBa				
Compressor	2 x 1/2 HP			2 x 1 HP	
2" Cryo Boxes	15 boxes/rack		20 boxes/rack		25 boxes/rack
3" Cryo Boxes	9 boxes/rack		12 boxes/rack		15 boxes/rack
Racks/Freezer	12 Racks Total	16 Racks Total		20 Racks Total	