



The Harris® Custom Deluxe™ DLT Freezers

Thermo
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Harris® Custom Deluxe™ freezers are designed to meet elevated standards of performance and security with excellent temperature uniformity, fast recovery after door openings, and increased cooling capacity.



General Performance Features:

- Available in ten models with operating temperature ranges from -60°C to -85°C
- Built to UL and CUL standards for safety and performance
- All models include CryoLogic® microprocessor control system (door-mounted on uprights)
- Upright models equipped with CryoLatch™ integrated door latch and handle
- Pressure Equalization Port equalizes cabinet pressure and allows re-entry to cabinet within 30 seconds of door closing (uprights only)
- CFC-free refrigerants on all models

Control System:

- CryoLogic® microprocessor control system features touchpad data entry and digital display of all functions
- Setpoint security system with tamper-proof, key-operating temperature and high/low limit alarm functions with factory-set defaults for quick start-up
- All setpoints adjustable in 1°C increments

Alarm System:

- Adjustable safety alarm with automatic, continuous-charge battery backup provides full alarm function in case of power failure
- Power failure or temperature deviation triggers audible and visual warning
- Digital battery indicator displays battery capacity; flashing low battery indicator advises when to replace battery
- Touchpad alarm test function physically warms internal probe to simulate alarm condition
- Optional RS-232 data port includes system software package
- Exterior alarm contacts connect to remote monitoring system
- Clean filter indicator light helps avoid clogged condenser air filter, improves cooling efficiency
- Alarm Reset button temporarily silences audible warning and re-activates automatically if condition remains

Monitoring System:

- Extreme Ambient Alert warns if room temperature is too warm due to seasonal air conditioning or other factors which may affect performance
- Silent Witness Alert archives temperature deviation beyond pre-set parameters

Electrical System:

- Automatic voltage boost compensates for low voltage and brownout conditions
- On-board power monitoring with digital readout of incoming line voltage
- Optional free-standing surge suppressor minimizes effect of voltage spikes from incoming electrical service

Upright Cabinet Construction:

- Minimum 5 in. (128mm) high-density, foamed-in-place urethane insulation is closed-cell and CFC-free to protect product against high-ambient conditions
- Door mounted controls
- Five shelves (four adjustable) create five interior compartments
- High-impact plastic inner doors with magnetic latches
- CryoLatch™ door latch provides one-handed operation for easier access to inventory and features two locking methods for maximum security
- Insulated outer door prevents condensation
- Double door gaskets minimize frost buildup
- Access port is 1 in (25mm) in diameter
- Heavy-duty swivel casters with two leveling feet
- Rounded interior corners, scratch-resistant painted interior and exterior surface allow for easy cleaning

Chest Cabinet Construction:

- Low-profile design allows for easier access to inventory
- Minimum 5 in. (128mm) high-density, foamed-in-place urethane insulation is closed-cell and CFC-free to protect product against high-ambient conditions
- Keyed lid lock for security (3 cu. ft. model includes provision for padlock)
- Insulated sub-lids minimize exposure during lid openings
- Counterbalanced lid seals reduce frost
- Access port is 1 in. (25mm) in diameter
- Heavy-duty swivel casters
- Rounded interior corners, scratch-resistant painted interior and exterior surface allow for easy cleaning

Refrigeration System:

- Two high-performance hermetically sealed (1-HP) compressors included
- Downfeed evaporator allows for optimal efficient refrigerant flow
- Quick pulldown and fast response to added heat loads or temperature deviation
- Timed evaporator flushing cycle and sequenced compressor starting require less energy and extend compressor life
- CFC-free refrigerants
- Sound-absorbing insulation

Specifications (-85°C Chest):

Cu. Ft./ Liters	Cat. No.	Voltage	Amps/ Breakers	NEMA Plug	Interior Dimensions inches/mm	Exterior Dimensions inches/mm	Ship Weight lbs/kg
3.0/85	HAR-DLT-3LS-90A	115V, 60Hz 10	16.0/20	5-20P	19"W x 17"F-B x 17"H	29"W x 27"F-B x 45.5"H	415/188
	HAR-DLT-3LS-90D	208/230V, 60Hz 30	11.2/15	6-15P	483mm x 432mm x 432mm	737mm x 686mm x 1156mm	
6.9/195	HAR-DLT-7LS-90A	115V, 60Hz 10	16.0/20	5-20P	23.5"W x 19"F-B x 26.5"H	48.5"W x 29"F-B x 41"H	525/238
	HAR-DLT-7LS-90D	208/230V, 60Hz 30	11.2/15	6-15P	597mm x 483mm x 673mm	1232mm x 737mm x 1041mm	
10.3/292	HAR-DLT-10LS-90A	115V, 60Hz 10	16.0/20	5-20P	35.3"W x 19"F-B x 26.5"H	60.3"W x 29"F-B x 41"H	680/308
	HAR-DLT-10LS-90D	208/230V, 60Hz 30	11.2/15	6-15P	897mm x 483mm x 673mm	1532mm x 737mm x 1041mm	
13.7/388	HAR-DLT-14LS-90A	115V, 60Hz 10	16.0/20	5-20P	47"W x 19"F-B x 26.5"H	72"W x 29"F-B x 41"H	650/295
	HAR-DLT-14LS-90D	208/230V, 60Hz 30	11.2/15	6-15P	1194mm x 483mm x 673mm	1829mm x 737mm x 1041mm	
17.1/484	HAR-DLT-17LS-90A	115V, 60Hz 10	24.0/30	5-30P	58.8"W x 19"F-B x 26.5"H	83.8"W x 29"F-B x 41"H	770/350
	HAR-DLT-17LS-90D	208/230V, 60Hz 30	11.2/15	6-15P	1494mm x 483mm x 673mm	2129mm x 737mm x 1041mm	
20.5/581	HAR-DLT-20LS-90A	115V, 60Hz 10	24.0/30	5-30P	70.5"W x 19"F-B x 26.5"H	95.5"W x 29"F-B x 41"H	940/427
	HAR-DLT-20LS-90D	208/230V, 60Hz 30	11.2/15	6-15P	1791mm x 483mm x 673mm	2426mm x 737mm x 1041mm	

Specifications (-85°C Upright):

Cu. Ft./ Liters	Cat. No.	Voltage	Amps/ Breakers	NEMA Plug	Interior Dimensions inches/mm	Exterior Dimensions inches/mm	Ship Weight lbs/kg
13.1/371	HAR-DLT-13V-85A	115V, 60Hz 10	16.0/20	5-20P	23.5"W x 19.5"F-B x 50.5"H 597mm x 483mm x 1283mm	33.5"W x 29.75"F-B x 77.5"H 851mm x 756mm x 1969mm	665/297
	HAR-DLT-13V-85D	208/230V, 60Hz 30	7.5/15	6-15P			
17.2/487	HAR-DLT-17V-85A	115V, 60Hz 10	16.0/20	5-20P	23.5"W x 25"F-B x 50.5"H 597mm x 635mm x 1283mm	33.5"W x 35.25"F-B x 77.5"H 851mm x 895mm x 1969mm	660/308
	HAR-DLT-17V-85D	208/230V, 60Hz 30	7.5/15	6-15P			
20.2/572	HAR-DLT-21V-85A	115V, 60Hz 10	16.0/20	5-20P	28.5"W x 24.25"F-B x 50.5"H 724mm x 616mm x 1283mm	38.5"W x 34.5"F-B x 77.5"H 978mm x 876mm x 1969mm	745/338
	HAR-DLT-21V-85D	208/230V, 60Hz 30	7.5/15	6-15P			
24.4/690	HAR-DLT-25V-85A	115V, 60Hz 10	16.0/20	5-20P	34.5"W x 24.25"F-B x 50.5"H 876mm x 616mm x 1283mm	44.5"W x 34.5"F-B x 77.5"H 1130mm x 876mm x 1969mm	830/377
	HAR-DLT-25V-85D	208/230V, 60Hz 30	7.5/15	6-15P			

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