

Researchers worldwide protect more than two billion samples inside Thermo Scientific cold storage equipment. With proven solutions including +4°C refrigerators to -196°C cryogenic freezers you're free to concentrate on your work without worrying about your valuable samples.

## Thermo Scientific Harris HD Ultra-Low Temperature Freezers

Store up to 70,000 samples



Easy-to-read microprocessor control delivers industry-leading performance to protect the integrity of your work.



Our HD technology and design allow 31.4 cu. ft. of capacity in a 25 cu. ft. footprint. Store up to 70,000 samples in 35 inventory storage racks.

### Features and Benefits

- Up to 20% greater heat removal capacity over ordinary freezers, ensuring faster temperature recovery after door openings\*
- Consumes up to 15% less power than other freezers, reducing ownership costs and benefitting the environment\*
- Emits up to 15% less heat into the environment than other freezers\*
- Noise levels are reduced by up to 40% over previous generation, allowing unit to reside directly in the lab
- Highly-efficient, innovative thin wall insulation technology allows for expanded interior capacity without increasing the exterior footprint
- Microprocessor control with set point controls for temperature and alarm system
- PLUS time delay feature – delays restart of a bank of freezers after building power failure, reducing stress on compressors and electrical components
- On-Board diagnostics report error codes allow the researcher to diagnose problems faster and minimize sample exposure
- Automatic voltage buck/boost system adds to the longevity of the freezer by stabilizing the voltage to the unit
- Optional integrated back-up system provides assurance that samples will not be compromised in event of power outage
- Recessed power switch controls down time due to accidental power shut down
- Reinforced shelves for high-load storage
- Door-mounted pressure equalization port (PEP) does not take up space and does not require maintenance (ice removal)
- Voltage indicator provides fast, accurate information on incoming line voltage
- Optional new communication outputs provide flexibility for connecting to alarm systems
- Battery readout provides user with assurance that alarms and displays will function in the event of a power outage
- Seven-day, 6" circular chart for validation and regulatory requirements

\* Based on internal performance data

## Specifications and Ordering Information

### Thermo Scientific Harris HD Freezers Specifications – Not Available Outside North America

Temperature Range -50°C to -86°C						
Model No.	Capacity cu. ft. (L)	Electrical	Amps/Breaker (Plug)	Interior Dimensions H x W x D inches (mm)	Exterior Dimensions H x W x D inches (mm)	Shipping Weight kg (lbs)
DLT-25V-85HD-A	24.4 (691)	115V/60Hz 1Ø	16/20 (P2)	50.5 x 34.5 x 24.3	77.8 x 43.0 x 36.8	825 (358)
DLT-25V-85HD-D		208-230V/60Hz 1Ø	12/15 (P4)	(1283 x 879 x 616)	(1975 x 1092 x 935)	
DLT-32V-80HD-D	31.4 (889)	208-230V/60Hz 1Ø	12/15 (P4)	50.5 x 39.1 x 27.3	77.8 x 48.0 x 36.8	930 (478)
				(1283 x 993 x 693)	(1975 x 1219 x 935)	

### Thermo Scientific Harris Rack Systems

Vials						
Model No.	Description H x F-B x W (inches)	Freezer Vol (cu. ft.)	Qty of 2" Boxes	Qty of 3" Boxes	Racks/Shelf	Racks/Freezer
6113-1	Adjustable Side-Access Rack (9.39 x 22.19 x 5.34)	24.4	16	12	6	30
5992	Sliding Drawer Rack (5.4 x 21.25 x 7)	24.4	12	–	6	30
5996	Sliding Drawer Rack (5.4 x 21.25 x 9.4)	24.4	16	–	6	30
5991	Sliding Drawer Rack (5.4 x 21.25 x 7)	24.4	–	8	6	30
7145	Fixed Side-Access Rack for 2" Boxes (5.4 x 21.25 x 7)	24.4	16	–	6	30
7187	Adjustable Side-Access Rack (9.4 x 26.75 x 5.3)	31.4	20	15	7	35
7243	Sliding Drawer Rack (9.63 x 27.25 x 5.5)	31.4	20	–	7	35

Microplates							
Model No.	Description H x F-B x W (inches)	Freezer Vol (cu. ft.)	Deepwell Plates	Shallow-Well Plates	Microtube Boxes	Racks/Shelf	Racks/Freezer
6733	Microplates, Individual Compartments (8.75 x 22.19 x 5.5)	24.4	66	–	–	6	30
7146	Microplates, Stacked (9.18 x 22 x 5.5)	24.4	84	102	–	6	30
7147	Microplates, Locking Rod (9.37 x 22 x 5.5)	24.4	84	96	–	6	30
7149	Deepwell, Individual Compartments With Locking Rod (9.37 x 22 x 5.5)	24.4	30	–	–	6	30
7150	Microtube Box and Microplate Rack With Lids (8.87 x 22 x 5.5)	24.4	72	–	24	6	30
7152	Microtube Box and Microplate Rack With Lids, Locking Rod (9.06 x 22 x 5.5)	24.4	72	–	24	6	30
7265	Fixed Side-Access Rack for 15-50mL Tubes (5.75 x 5.75 x 4.75)	24.4	–	–	8	6	30
7282	Microplates, Stacked (9.25 x 22.63 x 5.5)	31.4	98	119	–	7	35

### Thermo Scientific Harris Inventory Accessories

Accessories	
Model No.	Description
5954	2" High Fiberboard Boxes – 12 qty.
5956	3" High Fiberboard Boxes – 12 qty.
5958	10 x 10, 7/16" Cell – Holds 100 12mm Vials
5959	7 x 7, 5/8" Cell – Holds 49 16mm Vials
5960	8 x 8, 9/16" Cell – Holds 64 14mm Vials
6212	9 x 9, 1/4" Cell – Holds 81 13mm Vials

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