

# Ultra Series

Upright Manual Defrost  
Freezers

Our **ULTRA Series** flammable material storage laboratory refrigerators and freezers are specifically designed to ensure safety for the storage of flammable and volatile materials. These units are acceptable for use in non-specified and/or general laboratory areas.

*UltraElite*  
*UltraTouch*



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Our **ULTRA ELITE Series** manual defrost laboratory freezers are designed to provide optimal protection for temperature sensitive samples at temperatures of  $-20^{\circ}\text{C}$ . Built with inner "fast-freeze compartments" each with their own individual doors, this laboratory freezer delivers absolute temperature maintenance and recovery.

### Standard Product Features:

- Manual defrost
- Variety of sizes from 14-30 cu. ft.
- Temperature Range: Freezer:  $-15^{\circ}\text{C}$  to  $-25^{\circ}\text{C}$
- Microprocessor Temperature Controller
- Digital Temperature Display and Alarm Module
  - Sample simulated digital temperature display;  $.1^{\circ}$
  - Adjustable temperature display in Celsius or Fahrenheit
  - Resettable 1-point min/max history
  - Audible and visual high/low temperature alarms
  - Sensor error alarm
  - Power failure alarm
  - Alarm testing capabilities
- Remote alarm contacts
- Keyed door lock
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Caster platform
- One probe access port (3/8")
- White textured cabinet and door
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant (R134a), foam insulation and packaging
- Quality certified with 100% unit temperature testing
- 115V operation
- UL listed
- Warranties: 2 years parts and labor; plus an additional 3 years compressor parts only



**LHE-20-FM**

# Specifications and Ordering Information:



Digital Temperature Display and Alarm Module

| Models               | LHE-14-FM       | LHE-17-FM       | LHE-20-FM       | LHE-20-FM3      | LHE-30-FM       | LHE-30-FM3      |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Weight (lbs)         | 189             | 203             | 221             | 221             | 380             | 380             |
| Overall Height (in.) | 72 5/6          | 78 3/16         | 83 11/16        | 83 11/16        | 83 7/16         | 83 7/16         |
| Overall Width (in.)  | 29 3/4          | 34              | 34              | 34              | 35 3/4          | 35 3/4          |
| Overall Depth (in.)  | 32 6/16         | 30 7/16         | 32 9/16         | 32 9/16         | 34 1/4          | 38 1/4          |
| Interior Cu. Ft.     | 14              | 17              | 20              | 20              | 30              | 30              |
| Avg. Temperature:    | -20 °C          | -20 °C          | -20 °C          | -30 °C          | -20 °C          | -30 °C          |
| Number of Shelves    | 3 fixed         | 4 fixed         | 4 fixed         | 4 fixed         | 4 fixed         | 4 fixed         |
| Refrigerant          | R134a           | R134a           | R134a           | R134a           | R404a           | R404a           |
| Defrost Type         | Manual          | Manual          | Manual          | Manual          | Manual          | Manual          |
| Compressor Size HP   | 1/3             | 1/3             | 1/3             | 1/3             | 1/3             | 1               |
| Plug (receptacle)    | 5-15R           | 5-15R           | 5-15R           | 5-15R           | 5-15R           | 5-15R           |
| Total Amp Draw       | 5               | 5               | 5               | 5               | 6               | 6               |
| Voltage              | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz |

Specifications subject to change without notice.

Receptacle Required  
115V/1PH/ 60Hz  
NEMA-5-15R



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Revision Date: 1/20/2014

# UltraTouch

## Upright Manual Defrost Freezers

Our **ULTRA TOUCH** Series manual defrost laboratory freezers provide the same optimal protection at  $-20^{\circ}\text{C}$  as our Elite Series but feature a touchscreen display for added security. Built with inner "fast-freeze compartments" each with their own individual doors, this laboratory freezer delivers absolute temperature maintenance and recovery.

### Standard Product Features:

- Manual defrost
- Temperature Range: Freezer:  $-15^{\circ}\text{C}$  to  $-25^{\circ}\text{C}$
- Microprocessor Temperature Controller
- Touch Screen Digital Temperature Display and Alarm Module
  - Password-protected control panel
  - Sample simulated digital temperature display; .1 $^{\circ}$  Resolution, adjustable temperature display in Celsius or Fahrenheit
  - Active temperature scale bar display
  - Resettable 1-point min/max history
  - Digital 24-hour temperature chart
  - Temperature data logging
  - USB port for data transfer and software updates
  - Real-time operational display clock
  - 4-20mA output
  - Electronic troubleshooting guide & Electronic QR Code to access Owner's Manual & technical support contact information
  - Adjustable alarm volume
  - Audible and visual high/low temperature alarms
  - Sensor error alarm
  - Power failure alarm
  - Door ajar alarm
  - Low battery alarm
  - Operation indicator
  - Alarm validation
  - Alarm mute with ring back
- Remote alarm contacts
- Keyed door lock
- Caster platform
- Magnetic door gasket for positive seal
- Heavy duty door handle
- Leveling legs
- One probe access port (3/8")
- White textured cabinet and door
- High density urethane foam cabinet and door insulation
- CFC-free refrigerant (R134a), foam insulation and packaging
- Quality certified with 100% unit temperature testing
- 115V operation
- UL listed
- Warranties: 2 years parts and labor, plus an additional 3 years compressor parts only



**LHT-30-FM**

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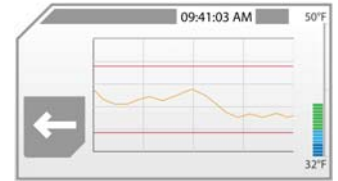
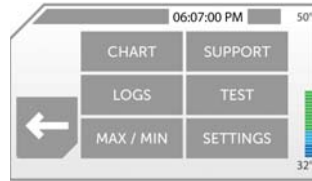
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# Specifications and Ordering Information:



## Touch Screen Features:

- LCD Touch Screen
- Remote Alarm Contacts
- High/Low Temp Alarms
- USB Port for Exporting Data



| Models               | LHT-14-FM       | LHT-17-FM       | LHT-20-FM       | LHT-20-FM3      | LHT-30-FM       | LHT-30-FM3      |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Weight (lbs)         | 189             | 203             | 221             | 221             | 380             | 380             |
| Overall Height (in.) | 72 5/16         | 78 3/16         | 83 11/16        | 83 11/16        | 83 7/16         | 83 7/16         |
| Overall Width (in.)  | 29 3/4          | 34              | 34              | 34              | 35 3/4          | 35 3/4          |
| Overall Depth (in.)  | 32 6/16         | 30 7/16         | 32 9/16         | 32 9/16         | 34 1/4          | 34 1/4          |
| Interior Cu. Ft.     | 14              | 17              | 20              | 20              | 30              | 30              |
| Avg. Temperature:    | -20 °C          | -20 °C          | -20 °C          | -30 °C          | -20 °C          | -30 °C          |
| Number of Shelves    | 3 fixed         | 3 fixed         | 4 fixed         | 4 fixed         | 4 fixed         | 4 fixed         |
| Refrigerant          | R134a           | R134a           | R134a           | R134a           | R404a           | R404a           |
| Defrost Type         | Manual          | Manual          | Manual          | Manual          | Manual          | Manual          |
| Compressor Size HP   | 1/3             | 1/3             | 1/3             | 1/3             | 1/3             | 1               |
| Plug (receptacle)    | 5-15R           | 5-15R           | 5-15R           | 5-15R           | 5-15R           | 5-15R           |
| Total Amp Draw       | 5               | 5               | 5               | 5               | 6               | 10.7            |
| Voltage              | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz | 115V, 1PH, 60Hz |

Specifications subject to change without notice.

Receptacle Required  
115V/1PH/ 60Hz  
NEMA-5-15R



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