

Temperature / Humidity Chambers

Floor Model Units



HD-400 Series
HD-500 Series
HD-200 Series



ASSOCIATED
ENVIRONMENTAL SYSTEMS

Unit Specifications

Model	Working Volume	Dimensions (H x W x D)	Temperature Range	Temperature Rise Time	Temperature Pull Down	Humidity Range	Power Required
HD-427	27 Cubic Ft.	Int: 36" x 36" x 36" Ext: 93" x 58" x 76"	-17°C to +177°C 0°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 20 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-432	32 Cubic Ft.	Int: 38" x 38" x 38" Ext: 80" x 56" x 68"	-17°C to +177°C 0°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 20 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-449	49 Cubic Ft.	Int: 42" x 42" x 44" Ext: 86" x 62" x 78"	-17°C to +177°C 0°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 20 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-464	64 Cubic Ft.	Int: 48" x 48" x 48" Ext: 92" x 70" x 80"	-17°C to +177°C 0°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 20 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-527	27 Cubic Ft.	Int: 36" x 36" x 36" Ext: 93" x 58" x 76"	-37°C to +177°C -35°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 35 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-532	32 Cubic Ft.	Int: 42" x 42" x 44" Ext: 86" x 62" x 78"	-37°C to +177°C -35°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 35 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-549	49 Cubic Ft.	Int: 42" x 42" x 44" Ext: 86" x 62" x 78"	-37°C to +177°C -35°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 35 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-564	64 Cubic Ft.	Int: 48" x 48" x 48" Ext: 92" x 70" x 80"	-37°C to +177°C -35°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 35 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-227	27 Cubic Ft.	Int: 36" x 36" x 36" Ext: 93" x 58" x 76"	-65°C to +177°C -85°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 70 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-232	32 Cubic Ft.	Int: 38" x 38" x 38" Ext: 80" x 56" x 68"	-65°C to +177°C -85°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 70 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-249	49 Cubic Ft.	Int: 42" x 42" x 44" Ext: 86" x 62" x 78"	-65°C to +177°C -85°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 70 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz
HD-264	64 Cubic Ft.	Int: 48" x 48" x 48" Ext: 92" x 70" x 80"	-65°C to +177°C -85°F to +350°F	Room Ambient to Upper Limit in Approx. 20 Minutes	Room Ambient to Lower Limit in Approx. 70 Minutes	20% to 98% +/- 3% RH Limited by +2°C Dew Point	220V 3 Phase 60 Hz

Standard Features:

- Programmable Controller with RS232C
- Stainless Steel Interior
- Adjustable High Temperature Safety (Digital Set Digital Indicating)
- Multipane Viewing Window in Door
- Internal Light with External Switch
- Casters

Options:

- IEEE-488 Computer Interface
- Self-Contained Recirculating Humidity System
- Optional Voltage
- Demineralizer Cartridge System
- Chart Recorder
- Adjustable Stainless Steel Shelves
- Additional Ports

Ultimate performance will be slightly affected by additional windows, ports and ambient air temperature.

In line with our corporate policy of continuing product improvement and quality control, Associated reserves the right to change product specifications without notice.

Associated Environmental Systems

19 Willow Road, P.O. Box 564, Ayer, MA 01432 Phone (978) 772-0022 / Fax: (978) 772-0088

Visit AssociatedOnline.com E-mail: info@associatedonline.com