



# Endurance<sup>®</sup>

Full Feature Temperature  
& Humidity Chambers  
For Maximum Quality Assurance

**IN  
STOCK**

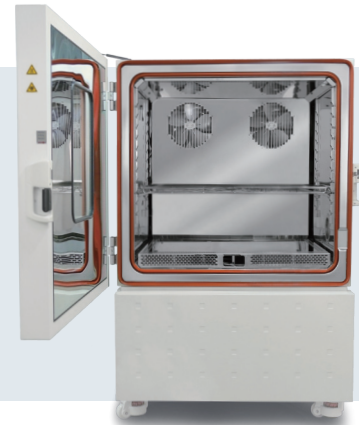


**Stand the test of time.**

[www.weiss-na.com](http://www.weiss-na.com)

# Impressive Technology

The Endurance® Series from Weiss Technik: the Temperature & Humidity chamber that stands alone. Designed and engineered to give you lasting value, performance and reliability for all your testing applications. The intelligently engineered test space design allows for maximum airflow coverage and accurate gradients. Many popular sizes are available that allow you to choose the chamber that best fits your needs. The mobile design allows for greater flexibility.



## Performance Features



### Energy Savings

- Up to 30% in energy savings

### Temperature Control

- +/- 0.5 Control over the entire +155°C to -45°C Range

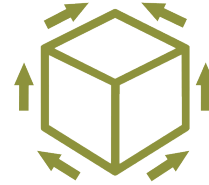


### Quiet Operation

- Ideal for laboratory testing

### Small Footprint

- Allows for small test lab operation



- Energy Efficient
- Ability to reach 98% rh @ 95°C
- Quiet Operation
- IN STOCK for quick shipment
- Mobile Design
- Built-In Water Reservoir
- Multi-Level High/Low Temperature Protection Feature
- Anti-Condensation Feature - Keep your product protected
- -70°C to 180°C and -40°C to 180°C
- ISO9001, A2LA and UL508A Certified
- Many Additional Options Available



WEBSeason® Precise Adjustable Touchscreen Controller



Adjustable Heavy Duty Leveling Casters / Feet



Tight Seal Double Gasket



Intelligently Engineered Test Space Design for Accurate Airflow Gradients

# Smart Programming

## The Latest Technology in Controllers & Software



### The Latest Technology

The **WEBSeason**® control system is the latest technology in digital chamber control and programming. With the simple, easy to use touchscreen and menu-guided user interface, no programming knowledge is necessary. **WEBSeason**® offers many features including USB and Ethernet interfaces, remote control and remote monitoring, networking with other test systems, and a 32-bit control and monitoring system to ensure accurate control of temperature and humidity.

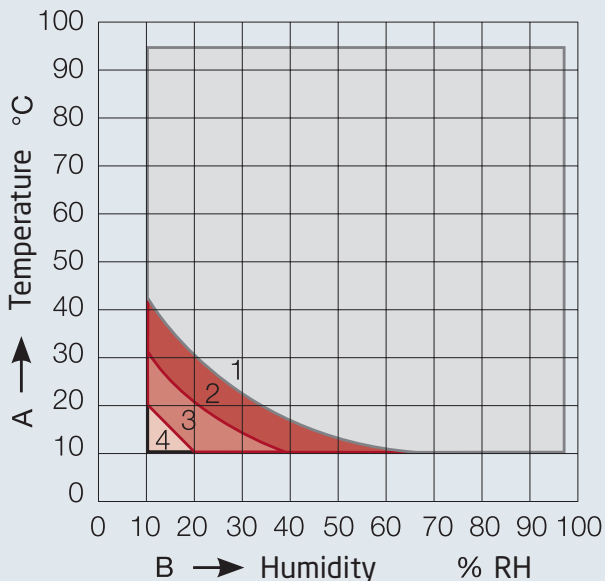


### Simulation Package for Test System Integration

SIMPATI System Control Software enables full chamber control and operation via remote access. The operation of test systems becomes easy and time-saving. The integrated monitoring feature enhances the reliability of your test systems. The simple user-friendly operation and menu-guided interface does not require user training. SIMPATI offers the user the ability to control up to 99 chambers at the same time.

## Humidity Diagram

Get the most out of your testing.



- A Test space temperature in °C
- B Relative humidity in % RH
- 1 Standard humidity range
- 2 Range with intermittent operation - (dew point +4 °C to -3 °C)
- 3 Extended humidity range with optional accessory compressed air dryer, dew point down to -12 °C controlled
- 4 Extended humidity range with additional equipment compressed air dryer (optional accessory) and capacitive humidity measuring system (optional accessory), dew point down to approx. -20 °C controlled



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**Stand the test of time.**



Weiss Technik North America, Inc. Calibration Services are accredited by A2LA to ISO/IEC 17025



Weiss Technik North America, Inc. Quality System is registered to ISO9001:2015

# Technical Data

| 3.0°C - 4.0°C/min               |                   |                                   |                 |                 |                 |                 |                                   |                 |                 |                 |  |
|---------------------------------|-------------------|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------------------------|-----------------|-----------------|-----------------|--|
| Model                           |                   | ENDH180/40                        | ENDH340/40      | ENDH600/40      | ENDH1000/40     | ENDH1500/40     | ENDH340/70                        | ENDH600/70      | ENDH1000/70     | ENDH1500/70     |  |
| Test Space Volume               | (Cu. ft/ Liters)  | 7 / 190                           | 12 / 335        | 21 / 600        | 35 / 990        | 54 / 1540       | 12 / 335                          | 21 / 600        | 35 / 990        | 54 / 1540       |  |
| Test Space Dimensions           | Width (W)         | 22.8" (580 mm)                    | 22.8" (580 mm)  | 31.4" (800 mm)  | 43.3" (1100 mm) | 43.3" (1100 mm) | 22.8" (580 mm)                    | 31.4" (800 mm)  | 43.3" (1100 mm) | 43.3" (1100 mm) |  |
|                                 | Depth (D)         | 17.7" (450 mm)                    | 30.1" (765 mm)  | 31.4" (800 mm)  | 37.4" (950 mm)  | 58" (1475 mm)   | 30.1" (765 mm)                    | 31.4" (800 mm)  | 37.4" (950 mm)  | 58" (1475 mm)   |  |
|                                 | Height (H)        | 29.5" (750 mm)                    | 29.5" (750 mm)  | 37.4" (950 mm)  | 37.4" (950 mm)  | 37.4" (950 mm)  | 29.5" (750 mm)                    | 37.4" (950 mm)  | 37.4" (950 mm)  | 37.4" (950 mm)  |  |
| External Dimensions             | Width (W)         | 34.2" (870 mm)                    | 34.2" (870 mm)  | 43" (1090 mm)   | 54.7" (1390 mm) | 54.7" (1390 mm) | 34.2" (870 mm)                    | 43" (1090 mm)   | 54.7" (1390 mm) | 54.7" (1390 mm) |  |
|                                 | Depth (D)         | 58" (1475 mm)                     | 70.4" (1790 mm) | 72.6" (1845 mm) | 78.5" (1995 mm) | 99.2" (2520 mm) | 70.4" (1790 mm)                   | 72.6" (1845 mm) | 78.5" (1995 mm) | 99.2" (2520 mm) |  |
|                                 | Height (H)        | 70.3" (1785 mm)                   | 70.3" (1785 mm) | 80.6" (2047 mm) | 80.6" (2047 mm) | 80.6" (2047 mm) | 70.3" (1785 mm)                   | 80.6" (2047 mm) | 80.6" (2047 mm) | 80.6" (2047 mm) |  |
| Temperature Range               | (°C/°F)           | +180°C to -40°C (+356°F to -40°F) |                 |                 |                 |                 | +180°C to -70°C (+356°F to -94°F) |                 |                 |                 |  |
| Humidity Range                  | (%RH)             | 10% to 98%                        |                 |                 |                 |                 |                                   |                 |                 |                 |  |
| Temperature Change Rate Heating | °C/min            | 4.0                               | 3.2             | 4.0             | 4.0             | 3.5             | 3.0                               | 4.0             | 4.0             | 3.5             |  |
| Temperature Change Rate Cooling | °C/min            | 3.5                               | 3.5             | 3.0             | 3.0             | 2.5             | 2.7                               | 2.5             | 2.5             | 2.3             |  |
| Live Load Capacity              | -20°C (W)         | 750                               | 750             | 875             | 875             | 900             | 1500                              | 2000            | 2500            | 2500            |  |
| Refrigeration Type              |                   | Air-cooled                        |                 |                 |                 |                 |                                   |                 |                 |                 |  |
| Input Power                     | Volt,Phase, Hertz | 230-3-60                          |                 |                 |                 |                 |                                   |                 |                 |                 |  |

| 5°C/min                         |                   |                                   |                 |                 |                 |                 |                 |
|---------------------------------|-------------------|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Model                           |                   | ENDT340/70/5                      | ENDT600/70/5    | ENDT1000/70/5   | ENDH340/70/5    | ENDH600/70/5    | ENDH1000/70/5   |
| Test Space Volume               | (Cu. ft/ Liters)  | 12 / 335                          | 21 / 600        | 35 / 990        | 12 / 335        | 21 / 600        | 35 / 990        |
| Test Space Dimensions           | Width (W)         | 22.8" (580 mm)                    | 31.4" (800 mm)  | 43.3" (1100 mm) | 22.8" (580 mm)  | 31.4" (800 mm)  | 43.3" (1100 mm) |
|                                 | Depth (D)         | 30.1" (765 mm)                    | 31.4" (800 mm)  | 37.4" (950 mm)  | 30.1" (765 mm)  | 31.4" (800 mm)  | 37.4" (950 mm)  |
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| External Dimensions             | Width (W)         | 34.3" (870 mm)                    | 43" (1090 mm)   | 54.7" (1390 mm) | 34.3" (870 mm)  | 43" (1090 mm)   | 54.7" (1390 mm) |
|                                 | Depth (D)         | 70.4" (1790 mm)                   | 72.6" (1845 mm) | 78.6" (1995 mm) | 70.4" (1790 mm) | 72.6" (1845 mm) | 78.6" (1995 mm) |
|                                 | Height (H)        | 70.3" (1785 mm)                   | 80.6" (2047 mm) | 80.6" (2047 mm) | 70.3" (1785 mm) | 80.6" (2047 mm) | 80.6" (2047 mm) |
| Temperature Range               | (°C/°F)           | +180°C to -70°C (+356°F to -94°F) |                 |                 |                 |                 |                 |
| Humidity Range                  | (%RH)             | NA                                |                 |                 | 10% to 98%      |                 |                 |
| Temperature Change Rate Heating | °C/min            | 5                                 |                 |                 |                 |                 |                 |
| Temperature Change Rate Cooling | °C/min            | 5                                 |                 |                 |                 |                 |                 |
| Live Load Capacity              | -20°C (W)         | 3000                              | 5000            |                 |                 |                 |                 |
| Refrigeration Type              |                   | Water-cooled                      |                 |                 |                 |                 |                 |
| Input Power                     | Volt,Phase, Hertz | 480-3-60                          |                 |                 |                 |                 |                 |

## Notes:

- Endurance 10°C/min and 15°C/min options available. Consult your local account manager.
- Temperature and humidity performance data are taken at the control sensor with an empty test space
- Exterior dimension includes touchscreen controller
- Average temperature change rates are measured at supply air in a +25° C ambient environment
- Additional options available - consult your local account manager
- Heating/cooling rates are evaluated according to IEC 60068-3-5
- This literature is for general guidance only. It does not constitute recommendations, representations or advice and nor is it part of any contract. Our policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice.