



ESPEC Walk-In Chamber

Mechanical Technology & Testing's Espec Walk-In chamber is the largest temperature and humidity controlled chamber at Powertech Labs. It allows for large test apparatuses, fixtures, and multiple samples to be tested simultaneously. The chamber can run tests on samples under mechanical and electrical loads, while controlling temperature and humidity.

MANUFACTURER INFO:

- **Make:** Espec
- **Shaker Model:** EWPX1061-30NA

DATA ACQUISITION & CONTROL:

- Six ϕ 152mm (ϕ 6") cable ports
- Espec P-300 Web controller enables remote online programming, monitoring, and data collection.

TEMPERATURE AND HUMIDITY PERFORMANCE:

- **Temperature Range:** -65°C to 85°C (-85°F to 185°F)
- **Temperature Ramp Rate:** Up to 1.8°C/min (3.2°F/min)
- **Humidity:** 10%RH to 95%RH, see attachment for details

DIMENSIONS:

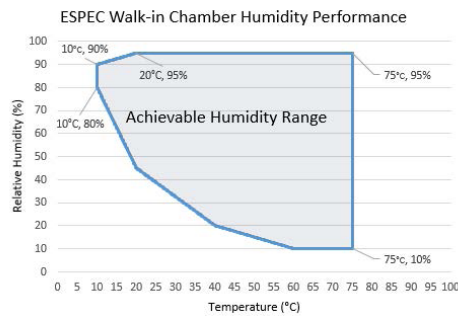
- **Interior:** 3886 mm x 2718 mm x 2845 mm (153 in x 107 in x 112 in) W x D x H
- **Door:** 2591 mm x 2083 mm (102 in x 82 in) W x H
- **Windows:** Two windows, each 330 mm x 584 mm (13 in x 23 in) W x H

TYPICAL TESTS:

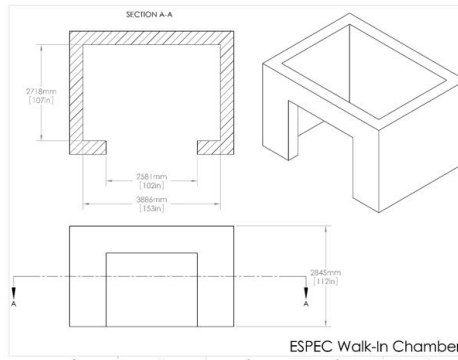
- Thermal and humidity cycling tests
- Hot/Cold soak followed by functional testing
- Pre- and post-test conditioning
- Combined thermal and mechanical tests

TESTING CODES AND STANDARDS:

ABS, ANSI, CSA, IEC, IEEE, ISTA, MIL-STD, SAE



ESPEC Walk-In Chamber Layout



Equipment performance is not guaranteed as reported. Contact your Powertech representative for project-specific information.

ABOUT POWERTECH LABS:

Powertech Labs Inc. is one of the largest testing and research laboratories in North America, situated in beautiful British Columbia, Canada. Our 11-acre facility offers 15 different testing labs for a one-stop-shop approach to managing electrical utilities, and testing gas components, pressure vessels and systems.

Outside of the utilities industry, Powertech provides routine testing capabilities, product development, research and consulting services to support an array of industrial-type operations, electrical equipment manufacturers and automotive original equipment manufacturers.

www.powertechlabs.com



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