

**Excel Dryer Xlerator® XL Series Hand Dryers
Guide Specification**

The **XLERATOR Hand Dryer** is the original, patented, high-speed, energy-efficient hand dryer. Facilities around the world use XLERATOR to save time, money and the environment while creating a cleaner, more hygienic restroom. Excel manufactures the only MADE IN USA Certified® hand dryers that are now fully equipped with new enhanced standard features including:

- Adjustable speed and sound control

- Adjustable heat settings

- Multi-voltage options

- Externally visible LED maintenance light

The XLERATOR Hand Dryer is now backed up by third-party indendent agency-verified Environmental Product Declaration and Health Product Declaration documentation, an industry first for meeting LEED v4 Building Product Disclosure and Optimization credit requirements.

Excel Dryer participates in compliance testing under the UL Environment Product Category Rule (PCR) for Hand Dryers. This internationally recognized set of rules, requirements and guidelines tests and reports on a product's impact on the environment, establishing an objective standard by which to evaluate drying times vs. energy used.

Excel Dryer’s expanded product line features the most options and complete line of accessories, featuring speed and sound controls, HEPA filtration and custom covers, to design the best hand drying solution for any restroom environment.

For additional information, contact: Excel Dryer, Inc., East Longmeadow, MA 01028; (413) 525-4531; sales@exceldryer.com; [www.exceldryer.com](http://www.exceldryer.com).

XLERATOR® is a registered trademark of Excel Hand Dryer, Inc.

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SECTION 10 28 13.13

WARM AIR HAND DRYERS

1. GENERAL
	* + 1. SECTION INCLUDES
				1. High-efficiency, energy-efficient heated air electric hand dryer.

Specifier: If retaining optional Related Sections Article, edit to correspond to Project requirements.

* + - 1. RELATED SECTIONS
				1. Division 06 Section "Rough Carpentry" for concealed blocking for anchoring electric hand dryers.
				2. Division 09 Section "Non-Structural Metal Framing" for concealed backer plates for anchoring electric hand dryers.
				3. Division 26 Section "Grounding and Bonding Requirements for Electrical Systems."

Specifier: If retaining optional References Article, retain references remaining in edited section and delete others.

* + - 1. REFERENCES
				1. International Code Council (ICC):

ICC/ANSI A117.1 - American National Standard for Accessible and Useable Buildings and Facilities; 1998.

* + - * 1. UL, LLC / UL Environment:

[Product Category Rule (PCR) for Hand Dryers](https://www.shopulstandards.com/ProductDetail.aspx?UniqueKey=33229).

* + - 1. ACTION SUBMITTALS
				1. Product Data: For each type of electric hand dryer indicated include the following:

Product Data: Manufacturer's data sheets for each specified product, including:

Preparation instructions and recommendations.

Operating instructions and performance.

Storage and handling requirements and recommendations.

Installation methods.

Electrical wiring diagrams.

Specifier: Retain subparagraph below if retaining option for HEPA filter in Part 2.

Include Viral Filtration Efficiency test data from qualified independent testing agency.

Specifier: Retain paragraphs below when Project requirements include compliance with Federal Buy American provisions.

* + - * 1. Manufacturer Certificate: Indicate compliance with Buy American Act.

Specifier: Retain Paragraph below for general project sustainable design requirements as defined in applicable Division 01 section. Documentation in Paragraph B supports LEED v4 BPDO credits.

* + - * 1. Sustainable Design Submittals: Provide documentation supporting Project sustainable design requirements.

Product Data: For products contributing to increased energy performance, provide manufacturer documentation of use and non-use energy consumption.

Submit documentation for applicable credit categories:

Environmental Product Declaration (EPD): For each product.

Health Product Declaration (HPD): For each product.

* + - 1. INFORMATIONAL SUBMITTALS

Specifier: Retain paragraphs below when Project requirements include compliance with Federal Buy American provisions.

* + - * 1. Buy American Certification: Manufacturers' letters of compliance indicating that products comply with requirements.
			1. CLOSEOUT SUBMITTALS
				1. Operation and Maintenance Data.
				2. Warranty.
			2. QUALITY ASSURANCE
				1. Manufacturer Qualifications: Company specializing in manufacturing of specified products with minimum five years' experience.

Specifier: Retain paragraph below and edit as appropriate for Federal projects and for public works projects utilizing Federal funds; consult with project Contracting Officer. Coordinate with Submittals Article.

* + - * 1. Buy American Compliance: Materials provided under work of this Section shall comply with the following requirements:

Buy American Act of 1933 BAA-41 U.S.C §§ 10a – 10d.

Buy American provisions of Section 1605 of the American Recovery and Reinvestment Act of 2009 (ARRA).

* + - 1. DELIVERY, STORAGE, AND HANDLING
				1. Deliver electric hand dryers in manufacturer's original packaging marked for location of installation.
			2. COORDINATION
				1. Coordinate location of concealed blocking required for anchoring of electric hand dryers.
			3. WARRANTY
				1. Special Manufacturer’s Warranty: Provide manufacturer's standard form in which manufacturer agrees to repair or replace products that fail in materials or workmanship within the following period:

Specifier: Retain first option below for manually-operated units; retain second option for sensor-operated units.

Warranty Period: 7 years following date of substantial completion.

1. PRODUCTS
	* + 1. MANUFACTURERS
				1. Basis of Design: Provide listed products of Excel Dryer, Inc., East Longmeadow, MA 01028; (413) 525-4531; sales@exceldryer.com; [www.exceldryer.com](http://www.exceldryer.com).
			2. PERFORMANCE REQUIREMENTS

Specifier: Excel Dryer participates in compliance testing under the UL Environment Product Category Rule (PCR) for Hand Dryers. This internationally recognized set of rules, requirements and guidelines tests and reports on a product's impact on the environment, establishing an objective standard by which to evaluate drying times vs. energy used.

* + - * 1. UL Product Category Rule (PCR) Testing:

Dry Time: Not greater than eight seconds.

Energy per Use: Not greater than 3.7 W-h (13.3 J).

Specifier: Retain "Viral Filtration Efficiency" Paragraph below if retaining option for HEPA filter.

* + - * 1. Viral Filtration Efficiency (VRE): Provide hand dryer systems meeting the following VRE when tested according to ASTM F2100 and ASTM F2101 as adapted:

VRE not less than 99.999 percent removal.

* + - * 1. Electrical Components: Listed and labeled per NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.

Specifier: CE or CSA certifications for export applications may apply for non-US applications.

* + - * 1. Certification: Products certified by Underwriters Laboratory, Inc., with UL and ULC labels.
				2. Accessibility Requirements: Comply with requirements of ADA/ABA and accessibility requirements of authorities having jurisdiction.

Comply with ICC/ANSI A117.1.

Specifier: Retain Paragraph below and coordinate with Part 1 submittal requirements for sustainable design transparency requirements.

* + - * 1. Environmental and Health Disclosure: Building products used in this section will be required to disclose their environmental and health impacts by providing the following sources of information.

Environmental Product Declarations.

Health Product Declarations: Documentation demonstrating the chemical inventory of the product to at least 0.1 percent (1000ppm).

* + - 1. High Efficiency Air Hand Dryer, Heated
				1. Basis of Design: Excel Dryer, Inc., [XLERATOR XL Hand Dryer](https://www.exceldryer.com/product/xlerator-hand-dryer/).
				2. High-speed energy-efficient rapid-drying heated electric hand dryer, with automatic sensor, adjustable speed and sound control [and HEPA filtration system].

Cover Material and Color: [Thermoset composite, white] [Die-cast zinc, powder-coated white] [Die-cast zinc, powder-coated graphite] [Die-cast zinc, powder-coated custom color] [Die-cast zinc, custom digital image on powder-coated custom color] [Die cast zinc, chrome-plated] [Stainless steel, No. 4 satin finish] [As selected by Architect from manufacturer's full range materials and colors].

Mounting: [Surface mounted] [Recessed, with ADA-compliant recess kit].

Controls: Automatic, activated by sensor, with adjustable sound and speed control mechanism, and adjustable heat control with High, Medium, Low and Off settings. Sensor equipped with externally visible indicator that flashes error codes.

Heater: Nichrome wire element, mounted inside blower housing, 970 watts.

Safety Features:

Heater Safeguard: Automatic resetting thermostat to open when airflow is restricted and close when airflow is resumed.

Air Temperature: Upper limit 135 deg F (55 deg C) measured at 4 inches below air outlet.

Electrical Power Requirements:

110 - 120 Volts, 11.3 - 12.2 Amps, 50/60 Hz, 1240 - 1450 Watts

208 - 277 Volts, 5.6 - 6.2 Amps, 50/60 Hz, 1160 - 1490 Watts

230 Volts, 6.1 Amps, 50 Hz, 1410 Watts

Sound Level: Operational sound level not exceeding [80 dB] [72 dB with noise reduction nozzle].

* + - 1. accessories

Specifier: Retain optional accessories specified for Project.

* + - * 1. Anti-Microbial Wall Guards: [Stainless steel] [White polymer] [Black polymer].
				2. Recessed Mounting Kit for ADA Compliance: 18 ga 304 stainless steel with No. 4 satin finish, with all welded construction. 17-1/4 inches (416 mm) high by 56 inches (660 mm) wide by 1 inch (25 mm) deep.
				3. Noise Reduction Nozzle: Reduces air deflection noise level by 9 db.
1. EXECUTION
	* + 1. EXAMINATION
				1. Examine substrates and conditions for suitability for installation of electric hand dryers. Proceed with installation once conditions are in accordance with manufacturer's written instructions.

Specifier: Retain paragraph below if applicable.

* + - * 1. Verify rough-in conditions for recessed mounting.
			1. INSTALLATION
				1. Install electric hand dryers in locations and heights indicated on Drawings, in accordance with manufacturer's written instructions, using manufacturer's recommended fasteners. Install units level, plumb, and firmly anchored in locations and at heights indicated. Connect to electrical power.

Specifier: Retain paragraph below if applicable.

* + - * 1. Install wall guards level, plumb, and adhered to wall surface.
			1. ADJUSTMENT
				1. Adjust variable speed dryers as directed. Instruct Owner's personnel in operations to adjust variable speed dryers and to respond to unit error codes.
			2. FINAL CLEANING
				1. Clean electric hand dryer surfaces of handprints and finger marks.

END OF SECTION