



(Specifier Note: The purpose of this guide specification is to assist the Specifier in correctly specifying Palmer Fixture high speed electric hand dryers and their installation.)

Palmer Fixture

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For over one hundred years, Palmer Fixture has been dedicated to providing the most competitive, value-added washroom accessories. We are constantly expanding our product lines and are looking for more ways to satisfy our customers. Through extensive research and development, Palmer Fixture Company has maintained a world wide reputation for product excellence since 1907.

SECTION 10 28 00 - HAND DRYERS

Palmer Fixture BluStorm



PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Automatic, high speed, warm-air, energy efficient self-contained electric hand dryers

1.2 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry: Blocking in stud partitions for mounting hand dryers
- B. Section 26 05 00 - Wiring Methods: Electrical supply, conduit, wiring, boxes, and wiring devices for hand dryers

1.3 REFERENCES

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

1.4 SUBMITTALS

- A. Submit in accordance with Section 01 33 00 - Submittal Procedures
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations
 - 2. Operating instructions and recommendations
 - 3. Storage and handling requirements and recommendations
 - 4. Installation methods
- C. LEED Submittals: Provide documentation of how the requirements of Credit will be met
- D. Shop Drawings: Include dimensions, method of attachment, and electrical wiring

1.5 QUALITY ASSURANCE

- A. Hand Dryers shall be provided and installed in compliance with a ICC/ANSI A117.1
- B. UL and C-UL approved and shall bare UL and C-UL labels
- C. CE approved
- D. GreenSpec® Listed

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver dryers and components in manufacturer's original, unopened, undamaged containers with identification labels intact
- B. Store dryers as recommended by manufacturer

1.7 WARRANTY

- A. Provide manufacturer's standard limited warranty for period specified
 - 1. Warranty Period: [5] years

PART 2 - PRODUCTS

(Specifier Note: Product Information is proprietary to Palmer Fixture. If additional products are required for competitive procurement, contact Palmer Fixture for assistance in listing competitive products that may be available.)

2.1 MANUFACTURER

- A. Basis-of-Design Manufacturer: Palmer Fixture; PO BOX 10887 Green Bay, WI 54307; Phone: 920-884-8698, Fax: 920-884-8699; Toll free 800-558-8678; websites www.palmerfixture.com and www.stormdryers.com
 - 1. Substitutions: Not Permitted
 - 2. Subject to compliance with requirements, manufacturers of products of equivalent design may be acceptable if approved in accordance with Section 01 63 00 - Product Substitution Procedures

2.2 ELECTRIC HAND DRYERS

HD0950-09: Stainless Steel Cover, 110/120V

HD0951-09: Stainless Steel Cover, 220/240V

- A. Hand Dryer: High Speed, Automatic, Energy Efficient Electric Hand Dryer; surface mounted; entire dryer internally grounded
 - 1. Warranty Period: 5 years limited warranty
 - 2. Drying time: 10-15 seconds
 - 3. Controls: Automatic on/off, activated by infrared sensor. Operates while hands are under dryer, automatically shuts off when hands are removed. Power cuts off automatically at 60 seconds in case of irregular use.
 - 4. Maximized Efficiency: Blue light indicates to user where hands should be placed for optimal drying time
 - 5. Filter Assembly: Optional air filter available
 - 6. Cover: One piece, vandal resistant with 2 vandal-resistant lock screws, stainless steel with brushed finish

(Specifier Note: Include the following finish if required and DELETE if not required. Special cover option can include logos, mascots, or emblems. Call manufacturer for more information.)

- a. Image: Custom image available

7. Motor Type: 15/16HP, 700W Brush Type, Dual Ball Bearings
8. Heater Thermal Protection: Thermal Cut Off at 149°F (65°C)
9. Heating Element: 900W
10. Drip Proof: 1PX1
11. Isolation: Class 1
12. Air Output Temperature: 113° F (45°C), Ambient Temp, 68°F (20°C)
13. Air Speed: 169-225 MPH, Adjustable
14. RPM: 29000
15. Decibel Level: 77 +/-3 dB

(Specifier Note: DELETE one of the following power sources.)

16. Power Source: HD0950-09, 110/120 volt, 12.5 amp, 1600W
17. Power Source: HD0951-09, 220/240 volt, 8.5 amp, 1600W
18. Weight: 12.8 LBS (5.8 kg)
19. Nominal Size: 8 15/16 inches (227 mm) wide by 10 15/32 (274) inches high by 6 31/32 (177 mm) inches deep

(Specifier Note: Indicate mounting height on DRAWINGS or designate as part of specification; do not indicate mounting heights in both specifications and drawings. DELETE one of the following two paragraphs.)

20. Mount dryers at heights indicated on drawings
21. Mount at the following heights above floor surface, as measured from the bottom the dryer:
 - a. Men's Restrooms: 43 inches (1092 mm)
 - b. Women's Restrooms: 41 inches (1041 mm)
 - c. Children Ages 11-18: 39 inches (991 mm)
 - d. Children Ages 3-10: 33 inches (838 mm)
 - e. Restrooms for Persons with Physical Disabilities: 35 inches (889 mm)

PART 3 - EXECUTION

3.1 GENERAL

- A. Install hand dryers in accordance with manufacturer's installation guidelines and recommendations

3.2 PREPARATION

- A. Verify substrates have been properly prepared
- B. Coordinate location and installation of electric hand dryers with blocking and other fixtures
 1. Verify dryers will be located at least 2 feet apart

2. Verify dryers will be located at least 12 inches from side of washbasin
 3. Verify dryers will be located at least 18 inches above any projection which may interfere with operation of automatic sensor
- C. Coordinate location and requirements for power supply, conduit, disconnect switches and wiring

3.3 INSTALLATION

- A. Install hand dryers level, plumb, and firmly anchored in locations and at heights indicated
- B. Install hand dryers using manufacturer recommended fasteners for each substrate

3.4 PROTECTION

- A. Protect installed hand dryers after installation from damage during construction. If damage occurs, remove and replace damaged unit as required to provide units in their original, undamaged condition.

END OF SECTION