



*(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 Recessed EcoStorm



### **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: [3] 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](http://www.palmerfixture.com) and [www.stormdryers.com](http://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

**HD0945-09: Stainless Steel Cover, Recessed**

- A. Hand Dryer: High Speed, Automatic, Energy Efficient Electric Hand Dryer; surface mounted, recessed; entire dryer internally grounded
  - 1. Warranty Period: 3 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. Material: Entire unit manufactured with all recyclable materials
  - 5. Cover: One piece, vandal resistant with 2 vandal-proof lock screws
  - 6. Recessed: Unit meets ADA requirements
  - 7. Motor Type: 3/4HP, 500W Brush Type, Dual Ball Bearings
  - 8. Heater Thermal Protection: Thermal Cut Off at 282°F (139°C)
  - 9. Heating Element: 500W
  - 10. Drip Proof: 1PX1
  - 11. Isolation: Class 1
  - 12. Air Output Temperature: 131°F (55°C), Ambient Temp, 77°F (25°C)
  - 13. Air Speed: 201 MPH
  - 14. RPM: 29000

15. Decibel Level: 63.5 dB
16. Power Source: HD945, 110/120 volt, 10.5 amp, 1000W
17. Weight: 15.4 lbs (6.99 kg)
18. Nominal Size: 10  $\frac{3}{4}$  inches (272 mm) wide by 15  $\frac{1}{2}$  inches (394 mm) high by 5  $\frac{1}{2}$  inches (140 mm) 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.)**

19. Mount dryers at heights indicated on drawings
20. Mount at the following heights above floor surface, as measured from the bottom of the dryer:
  - a. Men's Restrooms: 40 inches (1016 mm)
  - b. Women's Restrooms: 38 inches (965 mm)
  - c. Children Ages 4-7: 32 inches (812 mm)
  - d. Children Ages 8-10: 34 inches (863 mm)
  - e. Children Ages 11-13: 36 inches (914 mm)
  - f. Children Ages 14-16: 38 inches (965 mm)
  - g. Restrooms for Persons with Physical Disabilities: 34 inches (863 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