



# 2902-2800, 2902-2873, 2902-2874, 2902-2878

Adjustable Motor, Adjustable Sensor-Operated Warm Air Hand Dryer

- Recommended for very high traffic areas.
- Standard Model 2902-280000 (cast iron white porcelain) **Bradex**<sup>®</sup>
- Standard Model 2902-287300 (steel-white epoxy) **Bradex**<sup>®</sup>
- Standard Model 2902-287400 (stainless steel-satin finish) **Bradex**<sup>®</sup>
- Standard Model 2902-287800 (stainless steel-bright polished finish)



## Product Materials

- 2902-2800 COVER:** 3/16" (4.5 mm) thick one-piece cast iron; white porcelain enamel coating.
- 2902-2873 COVER:** 1/16" (1.5mm) thick one-piece steel; white epoxy finish.
- 2902-2874 COVER:** 1/16" (1.5mm) thick one-piece stainless steel; satin finish.
- 2902-2878 COVER:** 1/16" (1.5mm) thick one-piece stainless steel; bright polished finish.

Cover fixed to the base plate with two vandal-proof lock screws and lock with special key wrench.

**ADJUSTABLE MOTOR:** universal-type with high-speed, universal brush, fully adjustable (3,800–8,200 RPM) potentiometer, Class A; Aluminium centrifugal double asymmetrical inlet fan wheel; aluminum scroll fan and safety thermal cut-off.

**HEATING ELEMENT:** waved wire NiCr heating element mounted on a mica frame that incorporates a self-resetting thermal cut-off at 302°F.

**ADJUSTABLE SENSOR OPERATION:** electronic infrared detection sensor with fully adjustable (2"–8") potentiometer. Includes polycarbonate viewing windows. Automatic shut-off after 60 seconds.

**BASE PLATE:** 1/8" (3 mm) thick aluminum, with four Ø 5/16" (8 mm) holes for wall mounting. Includes silent blocking to dampen mechanical vibrations.

## Installation

Verify all rough-in dimensions prior to installation. Hand dryers require a dedicated circuit and must be properly grounded. GFI Circuit protection is recommended. One side of dryer should be mounted to a stud.

## Operation

Place hands 3"–6" below nozzle to activate air flow. Dryer will stop two seconds after hands are removed from air flow.

## ADA Compliant

- Consult local and national accessibility codes for proper installation guidelines.
- Conformity and compliance to local and national codes is the responsibility of the installer.

Orders composed of products indicated as **Bradex**<sup>®</sup> will be available to ship in three days after receipt of order at the factory. There is no pricing penalty for this service from Bradley.

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Bradley\_HandDryer\_2902-2800\_2873\_2874

## Guide Specification

Surface-mounted ADA-compliant hand dryer shall have a thick cast iron cover with white porcelain enamel coating (2902-2800), steel cover with white epoxy coating (2902-2873), stainless steel cover with satin finish (2902-2874) or stainless cover with bright polished finish (2902-2878). Hand dryer shall include aluminium base plate, fully adjustable (2"–8") infrared sensor potentiometer and fully adjustable (3800 - 8200 RPM) universal-type motor potentiometer with resilient mounts and sealed, lubricated ball bearings. Dryer shall operate at 64–70 dB while delivering 43–70 CFM of air at 106°F–111°F (41°C–44°C) and 4,920–9,840 LFM velocity during user-controlled drying cycle. Dryer shall have a total power of 800–1,150 W (1.07–1.54 Hp) with a consumption of 9.5–4.8 A.

**Overall dimensions:** 10½"H x 11½"W x 4"D (267mm x 292mm x 102mm).

**Weight:** 7.9 lb (3.58 kg)

## Product Specifications

|                                      |                             |                  |                                       |
|--------------------------------------|-----------------------------|------------------|---------------------------------------|
| Voltage:                             | 100–120 V, 208 V, 220–240 V | Consumption:     | 9.5–4.8 A                             |
| Motor:                               | 1/2 HP (250 W)              | RPM:             | 3,800–8,200                           |
| Nominal power:                       | 1,150 W (1.54 Hp)           | Heating element: | 900 W (1.20 Hp)                       |
| Effective airflow:                   | 36–58 CFM                   | Nominal airflow: | 43–70 CFM                             |
| Noise level at 79":                  | 64–70 dB                    | Airspeed:        | 4,920–9,840 LFM                       |
| Frequency:                           | 50/60 Hz                    | Insulation:      | Grounding required                    |
| Temperature (at 4" distance / 70°F): | 106°F–111°F (41°C–44°C)     | Certificates:    | UL 499 / CSA C22.2 / VDE GS / VDE EMC |
| Drying time:                         | 12–15 seconds               | Mounting:        | Surface. ADA-compliant                |
| Protection level:                    | IP23 Splash Protection      |                  |                                       |

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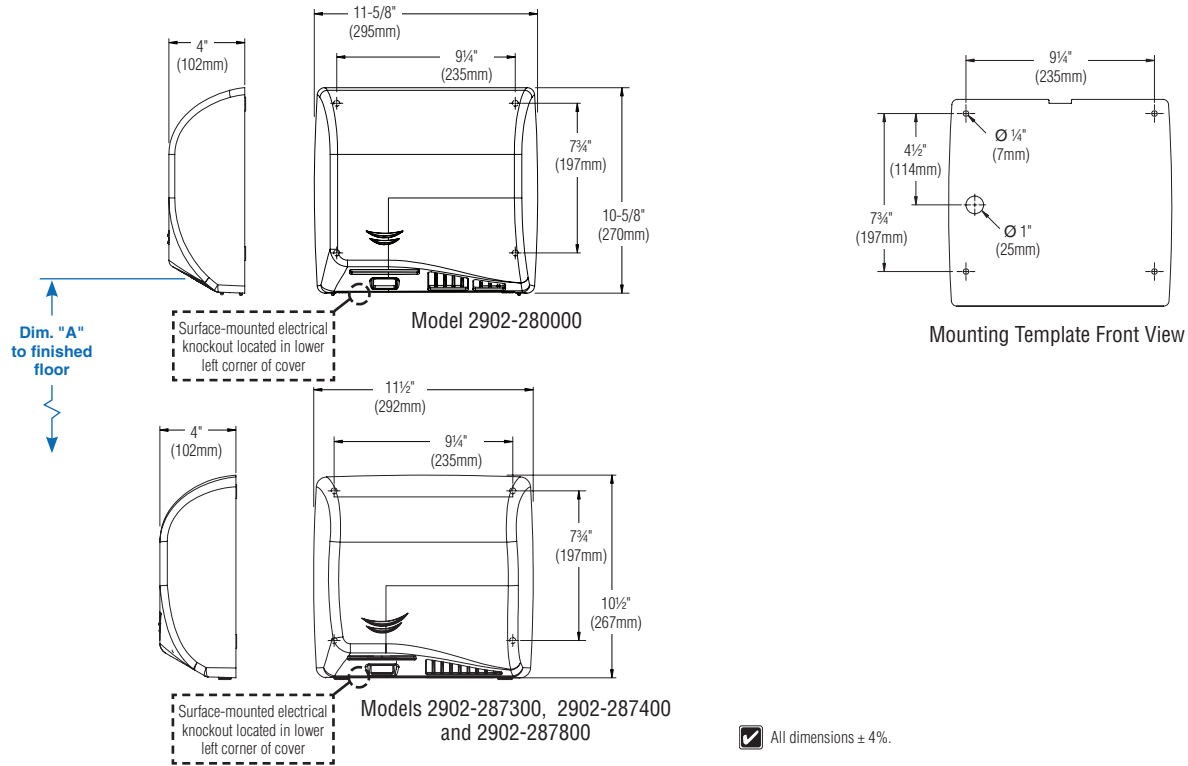
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## Dimensions



| Dim. "A" Key Surface:        | For Dim. "A"                             | Top of Unit                               | Bottom of Unit                            |
|------------------------------|--|---|---|
| Sensor top to finished floor | 48" (1219mm)                             | 57 <sup>3</sup> / <sub>4</sub> " (1467mm) | 47 <sup>1</sup> / <sub>8</sub> " (1197mm) |
|                              | 45" (1143mm)                             | 54 <sup>3</sup> / <sub>4</sub> " (1391mm) | 44 <sup>1</sup> / <sub>8</sub> " (1121mm) |
|                              | 42" (1067mm)                             | 51 <sup>3</sup> / <sub>4</sub> " (1314mm) | 41 <sup>1</sup> / <sub>8</sub> " (1045mm) |
|                              | 40" (1016mm)                             | 49 <sup>3</sup> / <sub>4</sub> " (1264mm) | 39 <sup>1</sup> / <sub>8</sub> " (994mm)  |
| <b>Rough wall opening:</b>   |  |   |   |
| Surface Mount:               | No rough opening, see overall dimensions |   |   |

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