

# ThinAir® HAND DRYER



MODELS: TA- ABS SB SB-SI SP -VOLTAGE (See Chart)



**TA-SB**  
Brushed Stainless Steel



**TA-ABS**  
White Polymer (ABS)



**TA-SB**  
Brushed Stainless Steel



**TA-SB-SI**  
Brushed Stainless Steel Special Image



**TA-SP**  
Custom Special Paint

## ADA COMPLIANCE

ADA guidelines state that fixtures mounted above 27" must not protrude more than 4" from the wall.

4"



Maximum: 48"  
Recommended: 37"

## PERFORMANCE



**DRY TIME: 14 SECONDS\***

**ENERGY PER USE: 3.7 Wh\***

**ADJUSTABLE SOUND LEVEL:** 69-76 dB

**ADJUSTABLE VELOCITY:** 12,000 - 17,000 LFM

**ADJUSTABLE HEAT RANGE:** 95°F-136°F

**FLOW RATE:** 29-42 CFM

**WATTAGE:** 735-950 Watts (Heat On), 300-385 Watts (Heat Off)

## CONSTRUCTION

- A. All covers will be fastened to a base plate by one chrome plated tamper-proof bolt. The cover shall be composed of:
  - ABS** – White polymer with SanaFor™ antimicrobial additive.
  - SB** – Brushed Stainless Steel.
  - SB-SI** – Brushed Stainless Steel with Special Image.
- B. Base plate shall be equipped with (3) 7/8" (22 mm) diameter knockouts, one of which is located on the right side and suitable for use with surface conduit.
- C. All internal parts shall be coated according to Underwriters' Laboratories, Inc. requirements.
- D. Entire mechanism shall be internally grounded, per UL requirements.
- E. Accessories (optional)
  - Microban® Antimicrobial Wall Guards:** 89W (White), 89B (Black), 89S (Brushed Stainless Steel)

## MECHANISM

- A. Motor shall be a thermally protected, series commutated, through-flow discharge vacuum motor/blower (1/2 hp / 31,000) which provides air velocity of up to 17,000 LFM (linear feet per minute) at the air outlet. Includes a washable metal mesh filter for more reliable performance.
- B. Heating element (550 W) is constructed of Nichrome wire and mounted inside the blower housing behind air baffle, thereby being vandal resistant. It shall be protected by an automatic resetting thermostat, which shall open whenever air flow is cut off and shall close when flow of air is resumed. It shall produce an air temperature of up to 136°F (58°C) at a 72°F (22°C) ambient room temperature at the outlet.
- C. Control assembly is activated by an infrared optical sensor located next to the air outlet. The dryer shall operate as long as hands are under the air outlet. Control includes a speed and sound control mechanism, adjustable heat control with High, Medium, Low and Off settings and a filter sensor which is activated should the filter become clogged. There is a 35-second lockout feature if hands are not removed. Sensor equipped with externally visible Red LED light that can flash error codes to assist in troubleshooting.

## LIMITED WARRANTY

The dryer shall be guaranteed to be free from defects for a period of five (5) years. Warranty shall include labor performed at factory as well as the repair or exchange of defective parts, at manufacturer's option.

## QUANTITY RECOMMENDATIONS

One dryer for every two washbasins is sufficient for most applications. If restroom traffic is unusually heavy, we suggest one dryer per washbasin in small installations and two dryers for every three washbasins in larger installations. When a 54" washfountain is used, we suggest four to five dryers.

**TESTED TO PCR GUIDELINES**

UL Environment published the first global Product Category Rules (PCR) for Hand Dryers. The PCR created evaluation methods through industry consensus that compare products' environmental impact and performance. Third party testing results then allow for the creation of certified Environmental Product Declarations (EPDs).

**CERTIFIED ENVIRONMENTAL PRODUCT DECLARATION**

An EPD is a comprehensive, internationally-harmonized report documenting a product's environmental impact over its lifecycle. They enable specifiers and buyers to make a true apples-to-apples comparison of products and make more informed product selections. Excel Dryer received the industry's first certified EPDs.

## FOR ARCHITECT/ENGINEER APPROVAL

Job Name: \_\_\_\_\_ Date: \_\_\_\_\_

Model Specified: \_\_\_\_\_ Quantity: \_\_\_\_\_

Variations Specified: \_\_\_\_\_

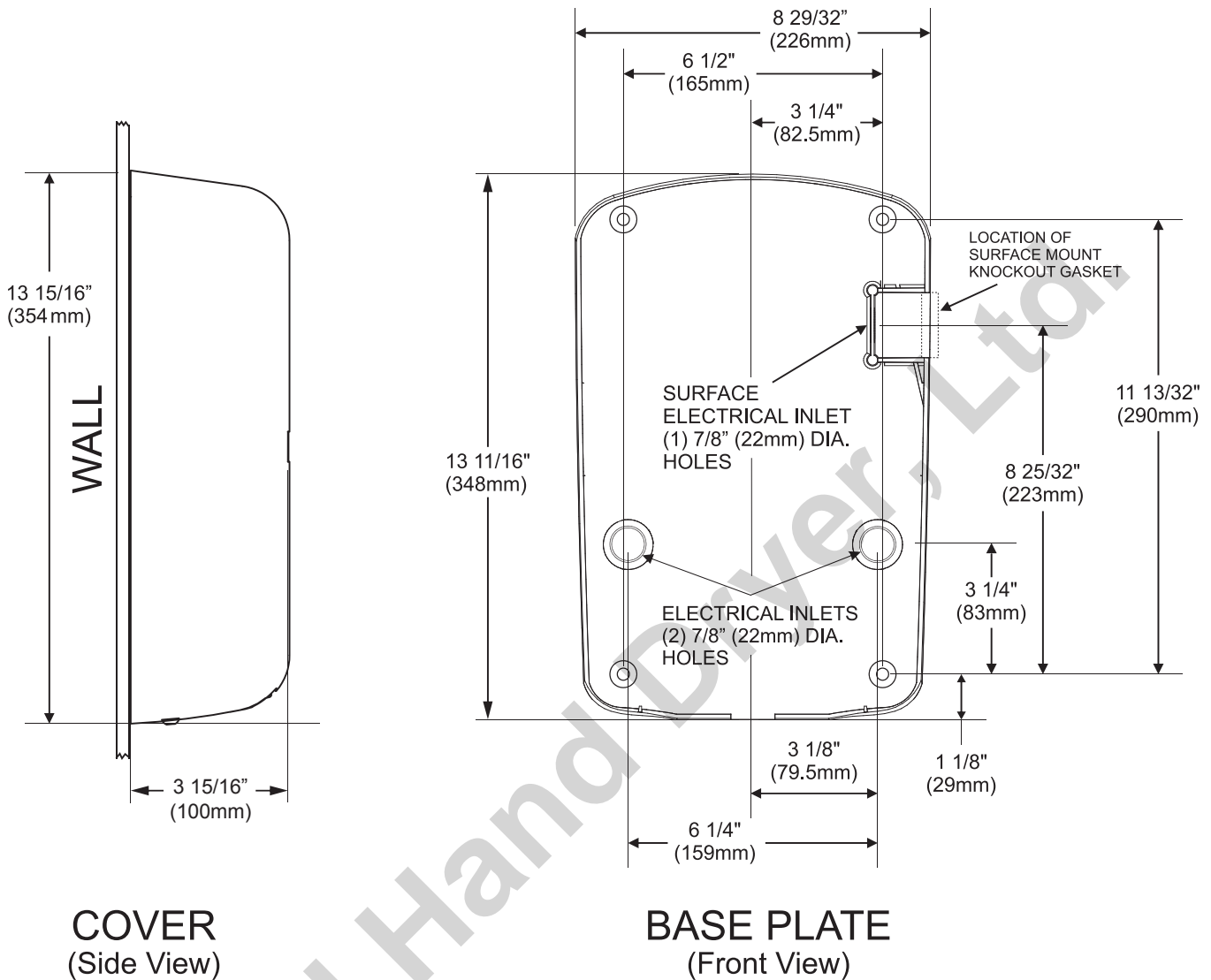
Customer/Wholesaler: \_\_\_\_\_

Contractor/Architect: \_\_\_\_\_

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**COVER**  
(Side View)

**BASE PLATE**  
(Front View)

**OVERALL DIMENSIONS**

Width: 9 5/32" (233 mm) Height: 13 15/16" (354 mm) Depth: 3 15/16" (100 mm)

**ACTIVATION**

Automatic Sensor Activated

**MOUNTING**

Surface-Mounted

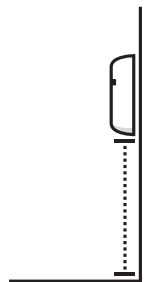
**WEIGHT**

TA-ABS, TA-SP: 8 lbs. (3.6 kgs.) TA-SB, TA-SB-SI: 10 lbs. (4.5 kgs.)

**SUGGESTED MOUNTING HEIGHTS**

from floor to bottom of dryer:

Men	45" (114 cm)
Women	43" (109 cm)
Teenagers	41" (104 cm)
Small Children	35" (89 cm)
Accessible	37" (94 cm)



**ELECTRICAL**

Units are Single Phase; 950 Watts or as low as 300 Watts (without heat) and available as specified in:

VOLTS	AMPS	WATTS	NO HEAT AMPS	NO HEAT WATTS	HERTZ	
110-120V	7.2-7.8A	780-925W	3.1-3.4A	330-385W	50/60 Hz	cULus
208-277V	3.6-4A	735-950W	1.5-1.9A	300-375W	50/60 Hz	cULus

**CERTIFICATIONS**



\*Dry time and energy use testing performed by SGS International on standard Thin Air Hand Dryers to 0.25g or less of residual moisture, pursuant to the UL Environment Global Product Category Rules (PCR) for Hand Dryers.