



Technical Data

# SURFACE-MOUNTED AUTOMATIC HAND DRYER

# B-715E

## Model B-715E 208-230-Volt Silhouette™ Dryer

208-230V AC, 9-10 Amp, 1900-2300 Watts, 50/60 Hz, Single Phase, VDE approved and CE marked



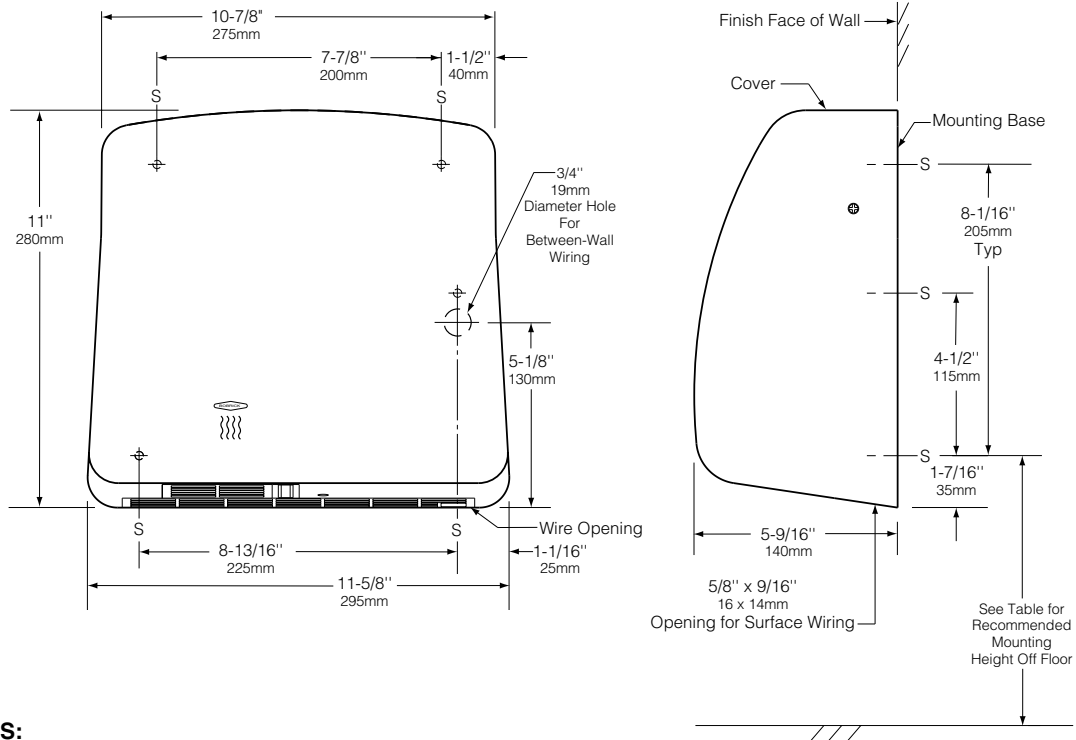
Patent Pending

### \*RECOMMENDED MOUNTING HEIGHTS

Men's Washrooms	46" (1170mm)
Women's Washrooms	44" (1120mm)
Children's Washrooms, ages 3-9	32" (815mm)
Children's Washrooms, ages 9-12	36" (915mm)
Children's Washrooms, ages 12-15	40" (1015mm)
Children's Washrooms, ages 15-18	44" (1120mm)
Barrier-Free Design	38" (965mm)



\*Bottom of dryer mounting base to finish floor



### MATERIALS:

**Cover** — One-piece, deep-drawn 20-gauge (0.9mm) thick, type-304 stainless steel with satin finish. Cover is secured to mounting base with three flat-head stainless steel screws.

**Mounting Base and Fan Housing** — 1/8" (3mm) thick fire-retardant molded grey plastic with high-gloss finish. VDE approved and CE marked. Stainless steel air-inlet grille fits into bottom of mounting base. Stainless steel air-outlet grille is secured between fan housing and mounting base.

**Motor** — Maintenance-free brushless motor with sealed ball bearings at both ends of drive shaft. Equipped with automatic electronic protection.

**Fan** — Dynamically balanced 5-1/2" (140mm) diameter centrifugal fan with multiple metallic vanes. Directs air flow from heating element at 100cfm, mixes air to provide uniform temperature.

**Heating Element** — Coiled nickel-chrome heating element is protected by an automatic thermal-overload switch and thermal fuse. Heating element, which is located on inlet side of fan, heats air without hot spots—inaccessible to vandals.

**Electronic Control** — Infrared sensor automatically turns dryer on when hands are held under air-outlet opening and across path of sensor. Remove hands from path of sensor and dryer stops. Electronic sensor has automatic shutoff approximately two minutes after dryer turns on if an inanimate object, such as tape or chewing gum, is placed across sensor lens. After inanimate object is removed, electronic sensor automatically resets itself and dryer operates normally.

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## OPERATION:

No-touch operation. Electronic sensor automatically turns dryer on when hands are held under air-outlet opening and across path of sensor. Remove hands from path of sensor and dryer stops. Dryer will not stop by itself before user is satisfied hands are dry. Dryer operates only when actually drying hands, which saves energy and operating costs. Electronic sensor will automatically shut dryer off two minutes after dryer turns on if an inanimate object is placed across sensor lens. After inanimate object is removed, electronic sensor automatically resets itself and dryer operates normally.

**5-Year Limited Warranty** — This warranty is limited to the repair or exchange of defective parts at the option of Bobrick. See Installation Instruction Sheet, Form No. 715E-69, for full details.

## INSTALLATION:

**Wall Preparation:** Secure mounting base on wall using template provided. For masonry walls, provide four #10 expansion shields or anchors and secure with four #10 (M4.8) sheet-metal screws (not furnished). For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with four #10 (M4.8) round-head sheet-metal screws or 3/16" (5mm) toggle bolts (not furnished). Provide electrical service from nearest distribution panel to dryer mounting base in compliance with local electrical codes.

**Wiring Instructions:** Connect ground wire to ground terminal marked  $\frac{—}{—}$ , and the 208 or 230 volt wires to terminals marked *LI*, and neutral or white wire to terminal marked *N*.

**Notes:** Electronic sensor in Silhouette will pick up movement within 4" (100mm) of air-outlet nozzle. Use caution when choosing location for Silhouette in confined areas. Consider proximity to doorways and other traffic areas.

For installation instructions that include step-by-step installation procedures and details of electrical service connections, see Form No. 715E-69, which is packed with each shipment. This form is also available in advance upon request.

## SPECIFICATION:

Surface-mounted hand dryer shall have a deep drawn, 20-gauge (0.9mm) thick, stainless steel cover with satin finish. Mounting base and fan housing shall be fire-retardant molded grey plastic with high-gloss finish. Brushless motor shall be 1725 watts with sealed ball bearings on ends of drive shaft and be equipped with automatic electronic protection. Centrifugal fan shall have multiple metallic vanes. Heating element shall be located on inlet side of fan, shall heat without hot spots, be inaccessible to vandals, and protected by an automatic thermal-overload switch and thermal fuse. Electronic sensor shall automatically turn dryer on when hands are held under air-outlet opening and across path of sensor. Dryer shall turn off automatically when hands are removed. Sensor shall automatically shut dryer off approximately two minutes after dryer turns on if an inanimate object is placed across sensor lens. After inanimate object is removed, electronic sensor shall automatically reset itself and dryer shall operate normally. Unit shall be VDE approved, CE marked and protected by a limited 5-year warranty on all parts. Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

**Surface-Mounted Automatic Hand Dryer shall be Model B-715E 208-230V of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; and Bobrick Washroom Equipment of Canada Ltd., Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.**