BOBRICK

Technical Data

RECESSED HAND DRYER

AutoPilot Operation

B-750

Specify Voltage Required:

☐ 115V AC, 20 Amp, 2300 Watts, 50/60 Hz, Single Phase, cULus Listed.
☐ 208–240V AC, 9–10 Amp, 1900–2400 Watts, 50/60 Hz, Single Phase, cULus Listed, VDE approved, CE marked.

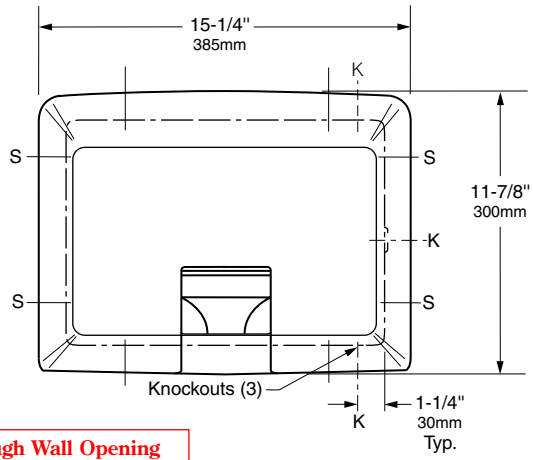
Specify model number followed by voltage required. Example: B-750 115V for 115-volt hand dryer.



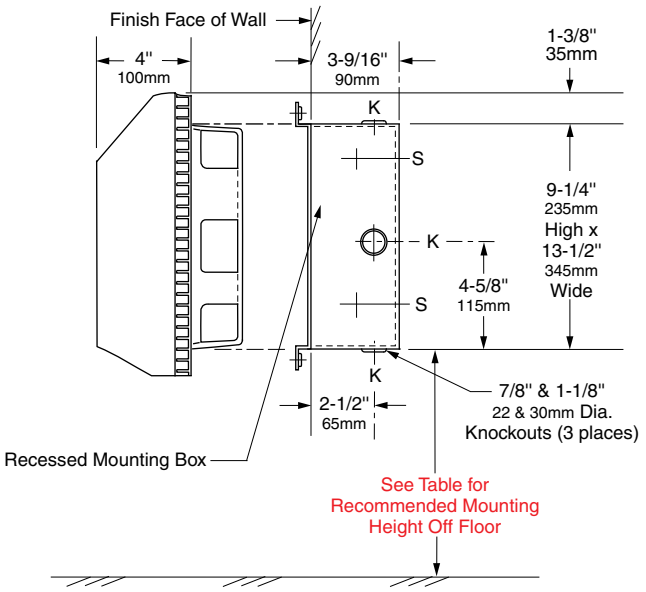
*RECOMMENDED MOUNTING HEIGHTS

Children's Washrooms, ages 3-4	36"	(915mm)
Children's Washrooms, ages 5-8	40"	(1015mm)
Children's Washrooms, ages 9-12	44"	(1120mm)
Universal Design	48"	(1219mm)

*Bottom screw hole of mounting base to finish face of floor



Rough Wall Opening
13-3/4" (350mm) wide
9-1/2" (240mm) high
3-3/4" (95mm) minimum recessed depth



MATERIALS:

Cover — One-piece, minimum 1/8" (3mm) thick, white iron-casting is finished in high-gloss, acid-resistant, multicoat vitreous enamel. Equipped with a two-position, self-returning, chrome-plated air-outlet nozzle. Air-outlet opening is equipped with vandal-resistant grille. Cover is secured to base unit with two concealed, vandal-resistant, recessed hex-screws.

Recessed Mounting Box — 16-gauge (1.5mm) steel with baked enamel finish. Rust-resistant.

Base Unit — One-piece aluminum casting. Incorporates concealed, vandal-resistant air-inlet vanes on both sides and bottom.

Motor — Universal, 1/10 hp, 6200 rpm, on resilient mounting. Sealed ball bearing at drive-shaft end and self-lubricating sleeve bearing at nondrive end. Equipped with automatic thermal-overload switch.

Fan — Dynamically balanced, single-inlet centrifugal fan is mounted on motor shaft; directs airflow through heating element at 150 cfm.

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

continued . . .

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

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Electronic Control — Infrared sensor automatically turns dryer on when hands or self-returning nozzle are held under air-outlet opening and across path of sensor. Remove hands or release self-returning nozzle from path of sensor and dryer stops. Electronic sensor has automatic shutoff approximately 1-1/2 minutes after dryer turns on if an inanimate object is placed across air-outlet opening. After inanimate object is removed, electronic sensor automatically resets itself and dryer operates normally.

OPERATION:

Cover projects no more then 4" (100mm) from wall, to comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.). No-touch operation: electronic sensor automatically turns dryer on when hands or self-returning nozzle are held under air-outlet opening and across path of sensor. Two-position nozzle is adjustable to direct airflow: up position directs airflow down for hand drying and down position directs airflow up for face drying. After drying face, release nozzle and it automatically returns to up position. Remove hands or release self-returning nozzle from path of sensor and dryer stops. Dryer will not stop by itself before user is satisfied hands or face are dry. Dryer operates only when actually drying hands or face, which saves energy and operating costs. Electronic sensor will automatically shut dryer off 1-1/2 minutes after dryer turns on if inanimate object, such as tape or chewing gum, is placed across air-outlet opening. After inanimate object is removed, electronic sensor automatically resets itself and dryer operates normally.

10-Year Limited Warranty — In addition to Bobrick's one-year guarantee, Bobrick extends a limited 10-year warranty from the date of purchase for AutoPilot hand and hair dryers on all parts, except motor brushes, to the original owner of the installed unit against defects in factory workmanship or material under normal use and service. Motor brushes are warranted for three years from date of purchase. This warranty is limited to the repair or exchange of defective parts at the option of Bobrick. See warranty card or Installation Instruction Sheet, Form No. 750-69, for full details.

INSTALLATION:

Wall Preparation: Provide framed rough wall opening 13-3/4" wide x 9-1/2" high (350 x 240mm). Minimum recessed depth required to finish face of wall is 3-3/4" (95mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. If installed in plaster wall, it is recommended that opening be grounded on all four sides with metal plaster trim. If unit projects above top of wainscot, provide aluminum channel or other filler to eliminate gap between flange of mounting box and finish face of wall. If two units are installed back-to-back, a sound-barrier is recommended between units. Provide shims between framing and mounting box at all points indicated by an *S*, then secure with four #10 (M4.8) screws (not furnished). Provide electrical service from nearest distribution panel to recessed mounting box in conformance with local electrical codes.

Wiring Instructions:

1. For 115-Volt Dryers — Connect ground wire to ground terminal marked ⏚, the black or *hot* wire to terminal marked *L1,* and neutral or white wire to terminal marked *N*. **A DEDICATED LINE IS REQUIRED FOR EACH 115-VOLT INSTALLATION.**
2. For 208–240-Volt Dryers — Connect ground wire to ground terminal marked ⏚ and the 208- or 240-volt wires to terminals marked *L1* and *L2*.

Notes: Electronic sensor in AutoPilot dryers will pick up movement within 7-1/2" (190mm) of air-outlet nozzle. Use caution when choosing location for AutoPilot dryers in confined areas. Consider proximity to doorways and other traffic areas.

Bobrick automatic hand dryers should be installed 15" (380mm) above any projection or horizontal surface which may interfere with the operation of the automatic sensor.

For installation instructions that include step-by-step installation procedures and details of electrical service connections, see Form No. 750-69, which is packed with each shipment. This form is also available in advance upon request.

SPECIFICATION:

Recessed hand dryer shall have a one-piece, cast-iron cover finished in high-gloss, acid-resistant, multicoat vitreous enamel. Cover shall project no more than 4" (100mm) from wall to comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.). Cover shall be equipped with a two-position, self-returning, chrome-plated, vandal-resistant air-outlet nozzle that adjusts for hand and face drying and automatically returns to hand-drying position after face drying; prevents vandals from pouring liquids into dryer. Cover shall have no exposed air-inlet grille. One-piece cast aluminum base shall incorporate concealed, vandal-resistant air-inlet vanes on both sides and bottom. Motor shall be 1/10 hp, universal type on resilient mounting with sealed ball bearing at drive-shaft end and self-lubricating sleeve bearing at nondrive end; equipped with automatic thermal-overload switch. Heating element shall be located on inlet side of fan, shall heat air without hot spots, be inaccessible to vandals, and protected by an automatic thermal-overload switch. Electronic sensor shall automatically turn dryer on when hands or self-returning nozzle are held under air-outlet opening and across path of sensor. Dryer will turn off automatically when hands are removed or self-returning nozzle is released. Sensor shall automatically shut dryer off approximately 1-1/2 minutes after dryer turns on if an inanimate object is placed across air-outlet opening. After inanimate object is removed, electronic sensor shall automatically reset itself and dryer shall operate normally. Unit shall be cULus Listed, VDE approved, CE marked. Unit shall comply with EU Directive "Restriction of Hazardous Substance" (ROHS) requirements for non-use of certain hazardous substances in the production of electronic products. Unit shall be protected by a limited 10-year warranty on all parts except motor brushes. Motor brushes shall be warranted for three years from date of purchase.

Recessed Hand Dryer shall be Model _____ (insert model number) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

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