



A Series

PUSH BUTTON & AUTOMATIC CAST IRON HAND & HAIR DRYER TECHNICAL SPECIFICATIONS



A, A-H Series
Surface, Push Button



A-R, A-HR Series
Recess, Push Button



A-T Series
Surface, Automatic



A-TR Series
Recess, Automatic

American "A" series push button & automatic hand and hair dryers are constructed with a 1/4 inch thick cast iron cover with a white porcelain enamel finish. Other features include a chrome plated nozzle and push button. The motor, timer and automatic sensor are 100% maintenance free. 10 year limited warranty.

Model Reference Chart

PUSH BUTTON HAND DRYING			PUSH BUTTON HAIR DRYING			AUTOMATIC HAND DRYING			ELECTRICAL RATINGS			
Surface Model	Recess Model	Drying Cycle	Surface Model	Recess Model	Drying Cycle	Surface Model	Recess Model	Cycle	Volts	Drying Amps	Watts	Hertz
A60	A60R	40 sec	A60H	A60HR	80 sec	A60T	A60TR	Auto	110-120	15	1725	60
A70	A70R	30 sec	A70H	A70HR	80 sec	A70T	A70TR	Auto	110-120	20	2300	60
A80	A80R	30 sec	A80H	A80HR	80 sec	A80T	A80TR	Auto	208-240	10	2300	60
A50	A50R	30 sec	A50H	A50HR	80 sec	A50T	A50TR	Auto	220-240	10	2300	50*

OPTION: Fixed Nozzle is an option on all models by designating **(F)** after model number. *** 50 Hz for export only.**

FEATURES/MATERIALS:

●Cover

One piece 1/4" cast iron construction reinforced for maximum durability.

●Finish

White Porcelain enamel to absorb impact without scratching or chipping. Resistant to acids and strong cleaning agents.

●Tamper-Resistant

Two tamper-resistant screws lock cover securely to base. Air intake vents, internal shield and side mounted heating element are for additional safety.

●Resilient Mounting

Entire blower motor assembly is suspended on rubber mounts to ensure optimum resiliency and reduce vibration and noise.

●Nozzle & Push Button

Chrome plated zinc die castings. 360° revolving nozzle is standard. A fixed nozzle is optional on all models.

●Nameplate

Indented and uses universal graphics.

MECHANISM:

●Motor

Instant starting, maintenance-free, brushless motor. 1/10 HP, 3200 RPM, with self lubricating bearings. Protected by an automatic resetting circuit breaker. Our motor requires no fuses, oiling or brush replacement - 100% maintenance-free. Has considerably more life and quieter operation than competition using brush type motors.

●Timer

Push button models use a heavy duty cam-operated timer. Sealed for protection and has positive stop action. Turn on with a light touch. Turns off automatically.

●Automatic Sensor

Automatic models are activated by a 100% solid state infrared sensor, which automatically turns dryer on and off. Only runs, when hands are below nozzle, for a maximum of 80 seconds. Sanitary and energy efficient. Has over 10 times more life than competitor's using mechanical relay switching.

●Heating Element

Side mounted for safety and runs in black heat range for longer life. Element is not accessible through nozzle and is protected by an automatic resetting circuit breaker (thermostat). It produces an air temperature of 130-145°F at a 72°F ambient room temperature.

Architect's Specifications

The dryer shall be manufactured by American Dryer to include a **1/4" thick cast iron** cover. Cover to be finished with white porcelain enamel. Recessed units will include a 16 gauge steel wall mounting box. Motor shall be a shaded pole, **maintenance-free, brushless** type. Motor requires no brushes, oiling or fuses. This motor shall be thermally overload protected, 1/10 HP, 3200 RPM. Dryer shall deliver **160 CFM at 5500 LFM**. Push button dryers shall be activated by a cam-operated mechanical timer. Automatic dryers shall be operated by means of an infrared emitting/receiving 100% solid state control device.

Cover shall be attached with two tamper-resistant screws which lock it securely to base. Tamper-resistant air intake vents, internal shield and side mounted heating element are for additional safety. **Heating element** is protected by an automatic resetting circuit breaker. Nozzle and push button shall be zinc die castings with a chrome plated finish. Nozzle shall revolve 360° unless specified as fixed position. Entire blower motor assembly shall be suspended on rubber mounts to ensure **optimum resiliency and vibration-free**. Nameplate shall be indented and use universal graphics. Entire dryer shall be UL and C-UL listed. Made in the U.S.A.

Installation (Surface Mount)

(Refer to recessed instructions for recessed mounting)

WARNING: DISCONNECT POWER BEFORE INSTALLING

1. To remove cover, loosen tamper-proof screws using wrench supplied, turn **clockwise** (do not remove.) Located under button intake vent. To remove, place a hand on each side of cover and lift upward, then pull off.

2. Dryers should be placed at least 2 feet (61cm) apart and at least 12" (30cm) from washbasin. Automatic dryers should be at least 18" (46cm) above any projection which may interfere with the operation of the automatic sensor. Do not install dryers over washbasin. Hold the backplate to the wall at the suggested mounting height. Measure from bottom edge of backplate to the floor.

3. Mark the locations of the four mounting holes and the conduit entrance location on the wall. (The conduit entrance is the proper hole diameter for 1/2 inch (13mm) conduit.)

4. Fasten the backplate to the wall where previously marked.

RECOMMENDATION

Wood wall - No. 16 (M8) wood screws, 2 3/4" (70mm) long
Cement or brick - 1/4" (M6) stud expansion bolts, 3" (76mm) long
Hollow wall - 1/4" (M6) toggle bolts, length depends on wall thickness

5. Run service wire to dryer location and connect to terminal block. **IMPORTANT:** All units must be supplied with a 3 wire service. Use No. 12 wire or larger as required by local electrical code. The ground wire must be connected to the dryer backplate. Unit must be installed by a qualified licensed electrician.

Do not connect any unit to a branch circuit over 20 amps.

Dryers located in shower rooms or other wet locations should be equipped with ground fault interrupter(s).

6. **Carefully** replace the cover using tamper-proof bolts supplied, turn counter-clockwise.

Mounting Heights:

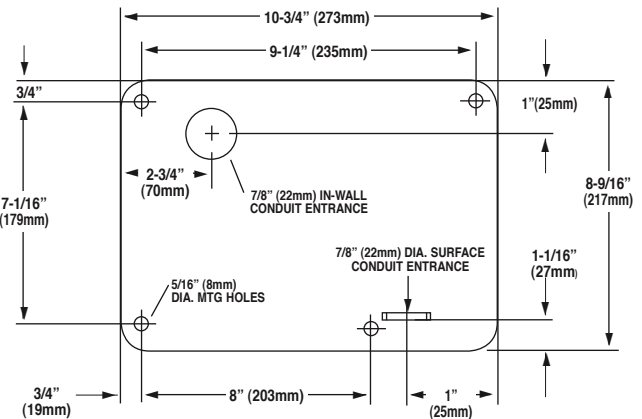
Suggested mounting heights from floor to bottom of dryer:

	MEN	WOMEN	CHILDREN	HANDICAPPED
"A" Hand Dryer...	42" (107cm)	40" (102cm)	30-40" (76-102cm)	34" (86cm)
"A-H" Hair Dryer...	72" (183cm)	68" (173cm)	46-68" (117-173cm)	52" (132cm)

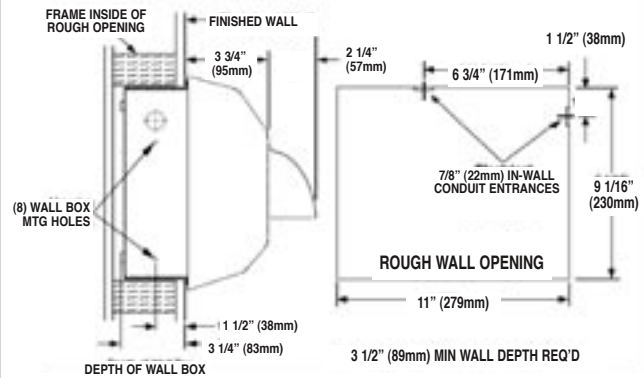
Dimensions:

	WIDTH	HEIGHT	DEPTH	NET WEIGHT
Surface Mounted	11-3/8"	9-7/8"	6-5/8"	29 lbs. (13 kg)
Recess Mounted	12-1/2"	10-1/16"	3-3/4"	27 lbs. (12 kg)

A Series Surface Mounted



A Series Recess Mounted



Operating Costs

The only operating cost for the A series hand dryer is electricity. Based on a cost of \$0.10 per KWH:

Cost per 1,000 hand dryings

A series = \$1.92

Paper Towels = \$20.56

Warranty

10-year limited warranty includes **same day** factory repair or part replacement. Sensor 5 years. See owner's manual for details.



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