

February 5, 2024

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA**

**ADDENDUM # 2**

**BID # 24-133, Sheriff's Office Ridge District Station at Poinciana**

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This addendum is issued to clarify, add to, revise and/or delete items of the Bid Document for this work. This Addendum is a part of the Bid Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Questions & answers.

Respectfully,

*Tabatha Shirah*

Procurement Analyst  
Procurement Division

**This Addendum sheet should be signed and submitted with your bid submittal. This is the only acknowledgment required.**

Signature

Printed Name:

Title:

Company:

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## **BID # 24-133, Sheriff's Office Ridge District Station at Poinciana Addendum # 2**

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**Question 1:** Will the County consider Speedflow Plus M17-UL hand dryers as an approved equal/substitute to be listed in the specifications?

Current specification is listed in Bid 24-133 Drawing, page A-400 (FTP Site):  
Aircraft Recessed Hand Dryer 115V  
Manufacturer: Bobrick Washroom Equipment, Inc  
Model: B-750

**Answer 1:** Yes, approved as an equal/substitute. See attached product sheet for Speedflow Plus.

**Question 2:** Will the County consider World Dryer's VERDEdri #Q-974A2 hand dryers as an approved equal/substitute to be listed in the specifications?




Current specification is listed in Bid 24-133 Drawing, page A-400 (FTP Site):  
Aircraft Recessed Hand Dryer 115V  
Manufacturer: Bobrick Washroom Equipment, Inc  
Model: B-750

**Answer 2:** Yes, approved as an equal/substitute. See attached product sheet for VERDEdri.

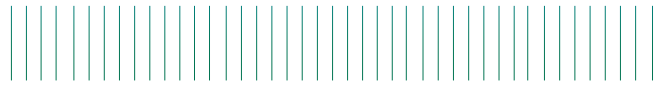
# speedflow<sup>®</sup> plus

 **BuildingGreen**  
APPROVED



<p><b>SPEEDFLOW PLUS</b> (M17A, M17AF, M17AC, M17ACS, M17AB)</p> <p>Efficient, adjustable RPM, ADA compliant, and 5 year warranty</p>	 	
<b>Comparison</b>	<b>Speedflow Plus (M17-UL)</b>	<b>Bobrick AirCraft B750</b>
Electrical	100-120V; 208V; 220-230V	115V; 208-240V
Air Velocity	250 mph/ 22,000 LFM	36,900 LFM
Power	180-850 W	1900-2400 W
Motor type	High pressure class F, with self-resettable safety cut-out and adjustable speed 23,000-32,000 rpm	Universal, 1/10 hp, 6200 rpm
Heater	Waved wire NiCr heating element includes safety thermal cut-off at 320°F	Coiled nickel-chrom heating element
Heating element (W)	0 -500 W (jumper for on/ off option)	Not listed
Standby power consumption (W)	2 W	Not listed
Construction materials	Steel, Stainless Steel, and cast iron	Iron, enamel
Air temperature (at 70F ambient)	93-109 °F	Not listed
Color finish	5 finishes: Stainless steel one-piece cover bright satin finish, white epoxy, black graphite, or white porcelain in cast Iron	White
Dimensions	10 1/2"H x 11 1/2"W x 4"D	13 3/4"x 10 3/8" x 7 1/4"
Operation	Touch-free infrared sensor. Auto 2 second shutoff after hands are removed	Touch free infrared sensor. Shutoff after hands are removed
	<b>\$475</b>	<b>\$1,119.53</b>
Weight	8.4 Lbs.(15.2 lbs Cast iron M17AF)	26 Lbs (Shipping weight)
Safety shut off	Automatic disconnection after 30 seconds of continuous use.	Automatic disconnection after 1-1/12 minutes of continuous use.
Drying time	10 -12 seconds	80 seconds
Limited Warranty	5 years	5 years
Noise Level	57-65 db(A)	Not listed
Sensor	Adjustable 2"-8" infrared	Infrared sensor
<b>BuildingGreen Approved</b>	✓	✓
ADA surfaced mounted	✓	X
<p><b>The Speedflow M17 has improved drying times, exceptional efficiency, and continued versatility. Now with a HEPA Filter included to purify air from dust particles, pollen, and other allergens.</b></p>		

# HAND DRYERS



# speedflow® plus

sensor operated

Legend for symbols shown on last page of catalog

## M17A-UL

material: steel  
finish: white epoxy



## M17AF-UL

material: cast iron  
finish: white porcelain enameled



## M17AB-UL

material: steel  
finish: black epoxy



## M17AC-UL

material: stainless steel AISI 304  
finish: bright



## M17ACS-UL

material: stainless steel AISI 304  
finish: satin



### M17A-UL · M17AF-UL · M17AB-UL · M17AC-UL · M17ACS-UL

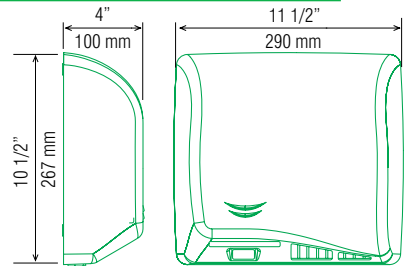
### COMPONENTS AND MATERIALS

- 3/16" thick cast iron or 1/16" thick stainless steel one piece cover.
- High pressure class F motor, with self.resetable safety cut-out and adjustable speed between 23,000 and 32,000 rpm..
- HEPA filter medium cartridge.
- ADA compliant (no recessed kit needed).
- Universal Voltage (from 100 to 240 V).
- Sensors come with a vandal-resistant polycarbonate viewing window.
- Cover fixed to the base by means of 2 vandal-proof lock screws and lock with special Speedflow wrench.
- Fully adjustable (2" – 8") IR electronic detection sensor by means of a potentiometer.
- Automatic disconnection system after 30 seconds of continuous use.
- Heating element with a self-resettable safety cut-out. It can be switched off manually with an ON/OFF micro switch located on the electronic board.
- Aluminum centrifugal double asymmetrical inlet fan wheel.
- Fire resistant plastic UL 94-V0 fan scroll.
- UL and CSA approved
- Optional odor neutralizer tablet for a cleaner and more pleasant atmosphere in the washroom.

### M17A-UL · M17AF-UL · M17AB-UL · M17AC-UL · M17ACS-UL

### TECHNICAL SPECIFICATIONS

Estimated drying time	10-12 seconds	Total Power:	180 - 850W
Voltage	100-120 V; 208V; 220-240 V	Heating Element:	500 W
Frequency	50/60 Hz	Protection level	IP23
Power Consumption	H. Element OFF: 2.5 - 3.5 A H. Element ON: 4.8 - 7 A	Effective airflow	20 - 27 CFM
Electrical insulation	Class I (ground required)	Air temp (at 4" distance/77°F)	93° - 103°F
Motor Power	350 W	Dimensions	11-1/2" x 10 5/8" W x 4"
rpm	23,000 - 32,000 rpm	Weight	All: 8,4 Lbs M17AF-UL: 15,65 Lbs
Air speed:	250 mph	Noise level	57-65 dBA



Dimensions for M06A/AB/AC/ACS

**M17A-UL / M17AB-UL / M17AC-UL / M17ACS-UL / M17AF-UL**

**General Description**

- Warm air high speed hand dryer recommended for very high traffic areas.
- Surface mounted ADA-compliant.
- Maximum robustness and vandal-proof.
- Energy efficient, it only consumes 2.8 watts per drying cycle.
- Building Green Approved & offering LEED Credits.
- HEPA filter medium cartridge which filters solid particles in suspension, improving air quality.
- Universal voltage.



**Components & Materials**

- **M17A-UL:** 1/16" (1.5 mm) thick one-piece steel cover; white epoxy finish
- **M17AB-UL:** 1/16" (1.5 mm) thick one-piece steel cover; black epoxy finish
- **M17AC-UL:** 1/16" (1.5 mm) thick one-piece stainless steel cover; bright finish
- **M17ACS-UL:** 1/16" (1.5 mm) thick one-piece stainless steel cover; satin finish
- **M17AF-UL:** 3/16" (4.5 mm) thick one-piece cast iron cover, white porcelain finish
- **MOTOR:** High pressure class F, with self-resettable safety cut-out and adjustable speed between 23,000 and 32,000 rpm. This regulation is carried out manually by means of a potentiometer located on the electronic board to adjust the power consumption of the dryer. The motor has been configured to have a smooth start to extend its life.
- **ELECTRONIC DETECTION SENSOR:** by infrared beam with detection distance adjustable by potentiometer between 2" and 8". It incorporates a safety system that detects any fixed target and makes hand dryer stop automatically in case a fixed object is placed in front of the sensor. In addition it has an automatic disconnection system of the unit after the 30 seconds of continuous use of the dryer.
- **500 W HEATING ELEMENT:** with a self-resettable safety cut-out. It can be switched off manually with an ON/OFF micro switch located on the electronic board, allowing to regulate the power consumption of the hand dryer.
- **BASE PLATE:** made of aluminum, it incorporates acoustic dampening elements (silent-blocks) for the suppression of mechanical vibrations.
- **FAN SCROLL:** made with Polyamide 6 (PA 6) incorporating a flame retardant additive (UL 94 V0) that increases the resistance to plastic ignition and once ignited reduces the rate of flame propagation.
- **HEPA FILTER MEDIUM CARTRIDGE:** Filters solid particles in suspension, significantly improving air quality. This filter traps micro particles in the air such as pollen, dust mites, fungi, tobacco smoke, etc..
- **ODOR NEUTRALIZER TABLET:** an optional odor neutralizer tablet for a cleaner and more pleasant atmosphere in the bathroom is available (Code RCPOM14).
- **WALL FIXING ELEMENTS:** stainless steel screws for brick wall with their corresponding plastic plugs are provided with the hand dryer.

**Technical Specifications**

Voltage - 100-120V; 208V; 220-240V	Total power - 180- 850 W
Frequency - 50/ 60 Hz	Motor Power - 350 W
Insulation - Grounding required (Class I)	Heating element: 0 or 500W
Dimensions	Consumption
M17A/AC/AB/ACS 10 1/2"H x 11 1/2"W x 4"D	H. Element OFF: 2.5 - 3.5A
M17AF 10-5/8"H x 11-5/8"W x 4"D	H. Element ON: 4.8 - 7A
Weight - M17A/AC/AB/ACS - 8.4 Lbs.	r.p.m. - 23,000-32,000 rpm
M17AF - 15,65 Lbs.	
Effective airflow - 20-27 CFM	Air temperature - (at 4" distance/ T amb. 77 °F) 93-109 °F
Max air velocity - 250 mph/ 22,000 LFM	Drying time - 10 - 12 sec
Protection level - IP23	Noise level (at 79") - 57 - 65 dBA

Please mark the selected item



code  
**M17A-UL**

material  
 steel  
 finish  
 white epoxy



code  
**M17AB-UL**

material  
 steel  
 finish  
 black epoxy



code  
**M17AC-UL**

material  
 stainless steel  
 AISI 304  
 finish  
 bright



code  
**M17ACS-UL**

material  
 stainless steel  
 AISI 304  
 finish  
 satin



code  
**M17AF-UL**

material  
 cast iron  
 finish  
 white porcelain  
 enamelled coating

**Operation**

Place hands under the air outflow valve. The dryer will start automatically, and go on with no interruption as long as the hands are kept in the detection range of the sensor. The appliance will stop 2 seconds after the hands are removed from the airflow.



Saniflow Corp reserves the right to make changes and/or modifications to the products and their specifications without warning or notice.

## Installation

Verify all rough-in dimensions prior to installation. Hand dryers require a dedicated circuit and must be properly grounded. A GFCI (Ground fault circuit interrupter) is recommended. One side of dryer should be mounted to a stud.

## Certificates & Qualifications

Unit shall be UL and CSA approved, according to UL 499; CSA C22.2 Standards and Building Green Approved. UL and CSA approved according to UL 499 and CSA C22.2 Standards.

## N° dryers to be fitted

- In toilet areas with a normal frequency of use and only one wash-basin: 1 dryer.
- In toilet areas with a normal frequency of use and more than one wash-basin: 1 dryer for each 2-3 wash-basins.
- 1 row of 4 wash basins: 2 dryers; 1 row of 6 wash basins: 3 dryers; 1 row of 8 wash basins: 4 dryers.
- In toilet areas with high traffic and more than one wash-basin: 2 dryers for each 3 wash-basins.
- 1 row of 4 wash basins: 3 dryers; 1 row of 6 wash basins: 4 dryers; 1 row of 8 wash basins: 5 dryers.

## Ideal location

Between the wash-basin and exit. It is not recommended to install dryer between wash-basins, next to urinals, lavatories and showers. If installing automatic dryers over marble surface or ledge, the minimum distance from the dryer to the ledge must be 15-3/4". It is recommended that hand dryers be distributed throughout the washroom area to avoid overcrowding.

## Guide Specification

Surface-mounted ADA compliant hand dryer shall have a 1/16" thick steel cover with white epoxy finish (M17A-UL), or a 1/16" thick steel cover with black finish (M17AB-UL), or a 1/16" thick stainless steel cover with bright finish (M17AC-UL), or a 1/16" thick stainless steel cover with satin finish (M17ACS-UL), or a 3/16" thick cast iron with white porcelain enamelled coating (M17AF-UL). Hand dryer shall include aluminum base plate 1/8" thick, infrared sensor adjustable (2" to 8") via potentiometer, universal brush motor fully adjustable (23,000-32,000 RPM) via potentiometer as well and HEPA filter medium cartridge which filters solid particles in suspension, significantly improving air quality. Dryer shall operate at 57-65 dBA while delivering 20-27 CFM of air at 109 °F (42°C) and 250 mph as maximum air velocity (Max - 22,000 LFM) during user controlled drying cycle. Dryer shall have a total power of 180 - 850 W with a consumption of 2.5 - 7 A. Heating element made of Ni-Cr and with a self-resettable safety cut-out. It can be switched off manually "ON / OFF" micro-switch located on the electronic board, allowing to regulate the power consumption of the hand dryer. In case of motor failure the heating element is immediately switched off automatically.

Unit shall be UL and CSA approved, according to UL 499, CSA C22.2 standards, and Building Green Approved.

## Overall dimensions:

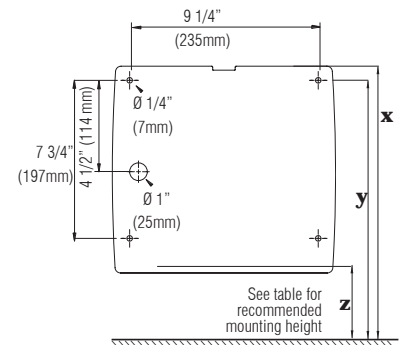
M17A, M17AB, M17AC, M17ACS: 10 1/2"H x 11 1/2"W x 4"D (270mm x 290 mm x 100 mm)

M17AF: 10-5/8"H x 11-5/8"W x 4"D (270 mm x 295 mm x 102 mm)

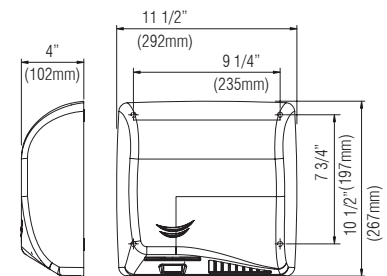
## Recommended heights from floor

	Male	Female	Child	Disabled
<b>x</b> To top of machine	56" / 142 cm	54" / 137 cm	46" / 117 cm	48" / 122 cm
<b>y</b> To mounting bracket screw	55" / 140 cm	53" / 135 cm	45" / 115 cm	47" / 120 cm
<b>z</b> To sensor top	46" / 117 cm	44" / 112 cm	36" / 92 cm	38" / 97 cm

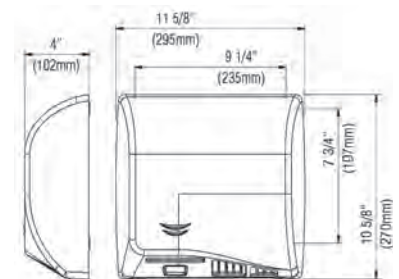
## MOUNTING



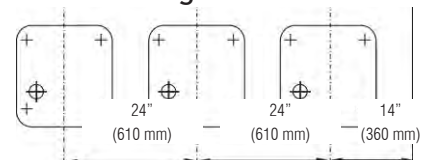
## M17A-UL / M17AB-UL / M17AC-UL / M17ACS-UL



## M17AF-UL



## Serial mounting



Job: \_\_\_\_\_

Architect / Engineer: \_\_\_\_\_

City / State / Country: \_\_\_\_\_

Model number: \_\_\_\_\_

Contractor: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

Quantity: \_\_\_\_\_

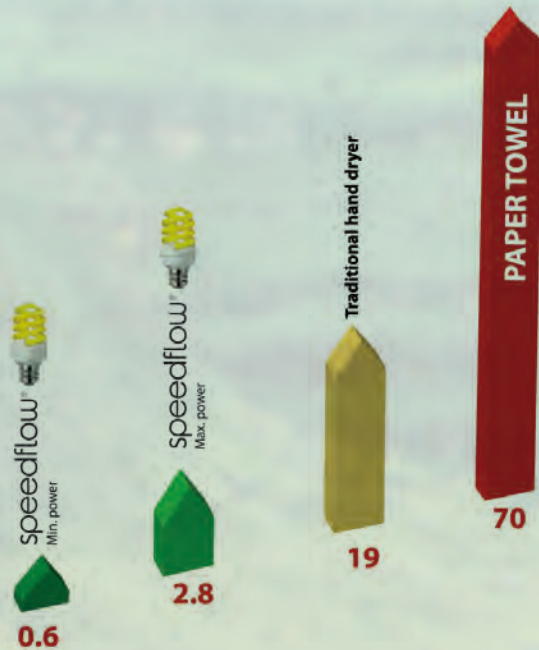
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For further info please contact SANIFLOW on: Toll free: **1-877-222-9125** or visit our website at **www.saniflowcorp.com**

Tel: +1 (305) 424 2433 Fax: +1 (305) 424 2435 · [sales@saniflowcorp.com](mailto:sales@saniflowcorp.com)

The new generation of **SPEEDFLOW**® hand dryers is quicker, more hygienic, more comfortable, quieter and more energy-efficient, providing a unique experience in the hand drying field.

### CONSUMPTION IN WATTS HOUR PER DRYING CYCLE



### LOW CONSUMPTION



**Minimum consumption**  
Between 0.6 and 2.8 W/h per drying cycle and 0.4 W in stand-by. One of the lowest in the market.



**Adjustable motor speed**  
Adjustable energy consumption, noise level and drying time, consequently.



**Heating element with ON/OFF micro-switch**  
Placed in the electronic circuit board, makes it possible to activate/deactivate the heating element.

### HYGIENE



**Automatic activation**  
The user does not need to touch the hand dryer, which helps prevent cross-contamination, improving hygiene and aseptis.



**HEPA filter medium**  
Cleans the air stopping the particles of dirt, dust, bacteria, pollen, etc. Fresh and particle-free air.



**Odor neutralizer tablet**  
For a more pleasant atmosphere in the washroom.

### COMFORT



**Heating element**  
Energy saving (only 500W), to ensure maximum comfort when drying hands.



**Quiet. 57 dBA**  
Thanks to the acoustic dampening elements used and a better-balanced mechanically motor, among others.



**Air curtain drying**  
A well-designed air outlet blows air caressing and drying hands thanks to a pleasant air curtain.

### SAFETY



**Fixed-target detection**  
If a static object is detected by the sensor, the hand dryer automatically stops after 3-5 seconds as a security measure.

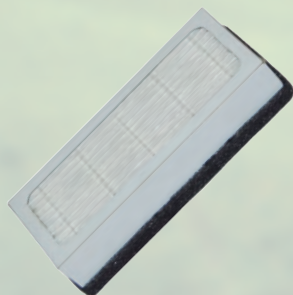


**Automatic safety cut-out**  
After 30" of continuous use, the hand dryer switches off automatically.



**Vandal-proof locking system**  
The metal casing is fixed to the aluminium base plate by means of 2 vandal-proof screws.

## Air quality and noise pollution improvement thanks to its new filter and inner design



The new **SPEEDFLOW**® comes as standard with a cartridge that holds an HEPA filter medium that filters suspended solid particles (pollen, dust mites, cigarette smoke, etc.), notably improving the air quality.

Furthermore, this cartridge also contains and activated carbon filtering medium that neutralizes odours and absorbs fumes and gases, helping avoid bad odours.



The new **SPEEDFLOW**® is much quieter thanks to:

- The acoustic dampening elements used for fixing the nozzle to the base plate and also in the motor bracket.
- A inner nozzle design which minimizes the pressure drop and the turbulences, reducing the noise level consequently.
- The air outlet geometry minimizing unwanted acoustic effects .
- A motor with a built-in fan, better-balanced mechanically, reducing the vibrations transmitted to its supports





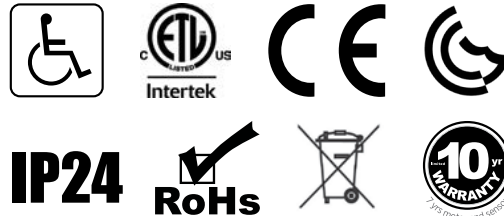
**VERDEdri®**

# **WORLD DRYER Hi-Speed Surface-Mounted ADA Compliant Hand Dryers**

VERDEdri is a high-speed, surface-mounted ADA compliant hand dryer with flexible controls and hygienic features. Combining simple, low cost ADA compliant installation, outstanding energy efficiency and extended motor life, VERDEdri provides facilities with low operating cost, long reliable service life and an attractive return on investment.

### **Product Benefits**

- 12 second dry time
- Surface-mounted ADA compliance simplifies installation and reduces installation costs
- Energy efficient - low operating cost
- Adjustable speed and sound controls
- Extended life motor with replaceable brushes maximizes service life and minimizes maintenance downtime
- HEPA filter eliminates 99.97% of pollutants, including bacteria and viruses 0.3µm or larger
- Antimicrobial technology inhibits the growth of bacteria, mold and fungus extending the dryer's service life
- Universal voltage – accepts 110-277 VAC input
- IP24 rating – protection against harmful water ingress
- Optional adapter kit<sup>1</sup> for top-entry surface-mounted conduit
- Durable and vandal resistant



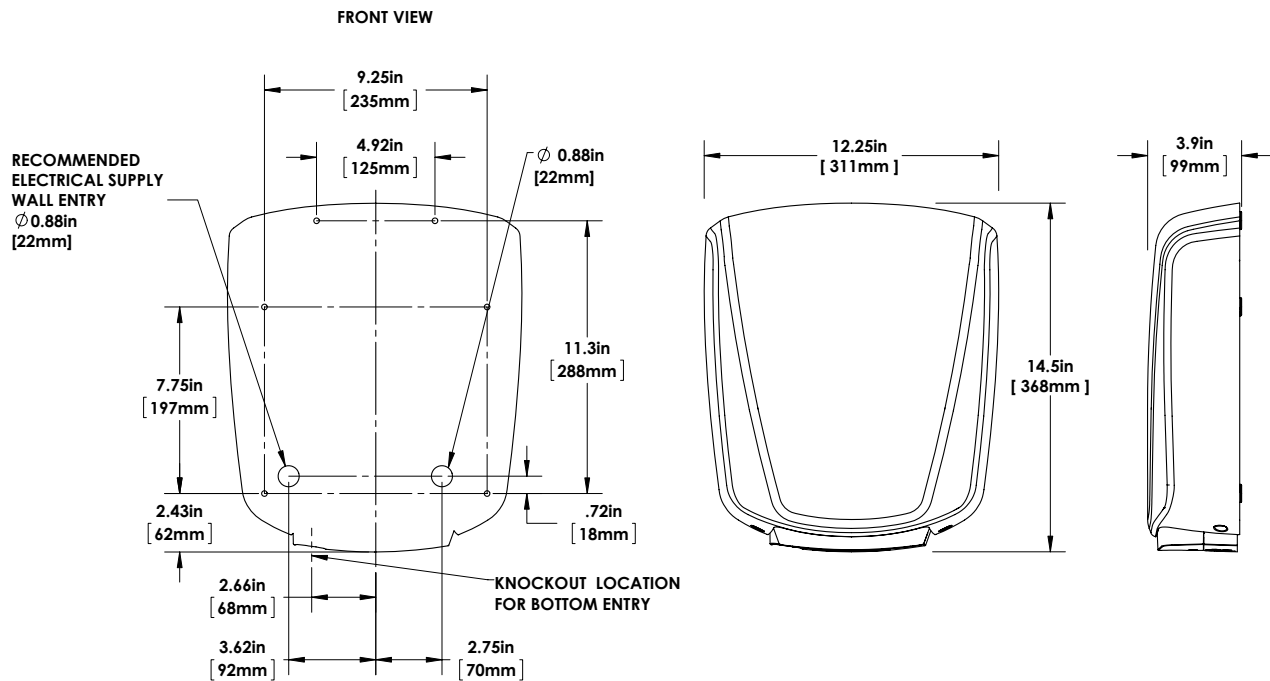
PERFORMANCE	
Dry Time:	12 seconds (adjustable)
Air Velocity:	150 – 225 mph (13,200 – 19,800 LFM)
Air Flow:	42 – 64 CFM
Air Temperature: (at 70° room temperature)	130°F
Sound at 79 in (2 m)	69 dBA

<sup>\*</sup>Sound measured at 79 in (2 m) in semi-anechoic chamber.

ELECTRICAL	
Voltage:	120 – 277 VAC (universal)
Power:	120 VAC      950 Watts
	208 – 240 VAC      950 Watts
	277 VAC      1150 Watts
Frequency:	50 / 60 Hz
Recommended Circuit:	Dedicated 15 Amp

<sup>1</sup>The top entry adapter is used only where top entry surface mounted electrical connections are required. To meet ADA requirements when installed with the top entry adapter, do not install in walks, halls, corridors, passageways or aisles.

CONSTRUCTION	
Cover Options (Material / Finish)	Die Cast Aluminum (White) Stainless Steel (Brushed Finish)      Die Cast Aluminum (Black) Stainless Steel (Polished Finish)
Motor	Thermally-protected universal type, through-flow discharge vacuum type, 5/8 HP, 31,000 RPM
Heating Element	Nichrome wire construction, 475 watts, with auto-reset thermal-protector so power is disconnected if air is not flowing
Electronic Controls	Universal voltage (120 – 277 V)
Filtration	HEPA Filter (standard – eliminates 99.97% particles 0.3 microns or larger) (Accessory standard particulate filter available)
Speed Control	3 Speed Selector Switch
Activation	Automatic touch-free infrared activation with 45 second vandal-resistant lock out feature
Enclosure Security	Cover attached with tamper-resistant screws; security wrench included.
Electrical Connection Access	Access for wall mounted junction box and for bottom-entry surface mounted conduit (Accessory adapter <sup>1</sup> available for top-entry surface mounted conduit)
10 Year Limited Warranty	Warranted by the manufacturer to be free from defects in material workmanship for a period of ten (10) years from the date of purchase. See warranty statement for limitations and exclusions.



### Placement Instruction

- Hand dryers should be spaced at least 2 feet apart, near but not over the washbasin
- In congested areas, dryers should be located to create a flow from wash basin to dryer to exit
- VERDEdri should be mounted at least 18" above or away from reflective surfaces, which may interfere with the automatic sensor operation.
- Dryer Quantity Recommendation:
  - Average Traffic: 1 dryer per 2 wash basins
  - Heavy Traffic: 1 dryer per wash basin
  - Industrial 54" Circular wash fountains: 4 dryers per sink

- Recommended mounting heights from floor to dryer bottom edge

Men's washrooms	46" (117 cm)
Women's washrooms	44" (112 cm)
Children's washrooms, ages 4-7	32" (81 cm)
Children's washrooms, ages 7-10	36" (91 cm)
Children's washrooms, ages 10-13	40" (102 cm)
Children's washrooms, ages 13-17	44" (112 cm)
Handicap Mounting Height	37" (94 cm)

### Installation Guide

- VERDEdri hand dryers require a dedicated circuit and must be properly grounded
- One side of dryer should be mounted to a stud

Cover Material	Cover Finish / Kit	110-120 / 208 / 220-277 V	Unit Weight	Shipping Weight	Unit Size (HxWxD) inch/mm	Shipping Size (HxWxD) inch/mm
Aluminum	White	Q-974A2	8.3 lbs / 3.7 kgs	10.7 lbs / 4.8 kgs	14.5" x 12.25" x 3.9" 368 x 311 x 100	17.3" x 15.2" x 7.5" 440 x 385 x 190
Aluminum	Black	Q-162A2	8.3 lbs / 3.7 kgs	10.7 lbs / 4.8 kgs	14.5" x 12.25" x 3.9" 368 x 311 x 100	17.3" x 15.2" x 7.5" 440 x 385 x 190
Stainless Steel	Polished	Q-972A2	9.9 lbs / 4.4 kgs	12.2 lbs / 5.5 kgs	14.5" x 12.25" x 3.9" 368 x 311 x 100	17.3" x 15.2" x 7.5" 440 x 385 x 190
Stainless Steel	Brushed	Q-973A2	9.9 lbs / 4.4 kgs	12.2 lbs / 5.5 kgs	14.5" x 12.25" x 3.9" 368 x 311 x 100	17.3" x 15.2" x 7.5" 440 x 385 x 190
Optional Top Entry Adapter Kit		17-10504K	3.8 lbs / 1.7 kgs	6.2 lbs / 2.8 kgs	16" x 13.8" x 1.2" 406 x 350 x 30	16.9" x 14.8" x 3.5" 430 x 375 x 90
HEPA Filter		93-10490K	0.4 lbs / 0.9 kgs	0.7 lbs / 1.5 kgs	7.7" x 3.5" x 2.0" 195 x 90 x 50	9.5" x 3.5" x 3.5" 240 x 90 x 90
Accessory - Non-HEPA		93-10506K	0.4 lbs / 0.9 kgs	0.7 lbs / 1.5 kgs	7.7" x 2.0" x 2.0" 195 x 50 x 50	7.9" x 2.8" x 2.4" 200 x 70 x 60
Coarse Filter		93-10496	0.1 lbs / 0.05 kgs	0.5 lbs / 0.23 kgs	7.5" x 2.0" x 0.6" 190 x 52 x 16	10" x 5.0" x 1.0" 254 x 127 x 25