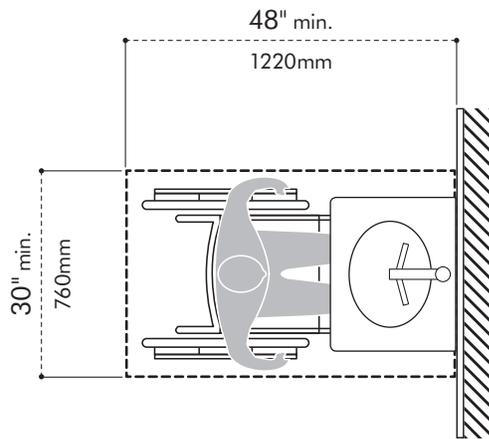


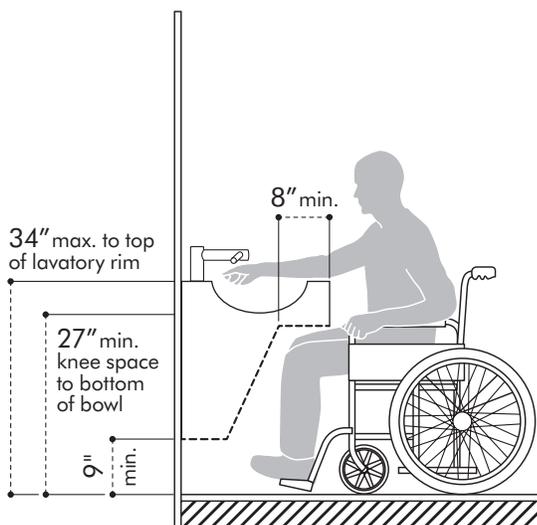
Mobility access within washroom facilities

Because the Dyson Airblade Tap hand dryer is installed as a sensor operated dual use sink and hand drying unit within the restroom, it must maintain all lavatory sink knee and toe clearance requirements. The unit must be located on an accessible route and may not protrude into any required accessible clear area of other items, such as a door swing, required toilet clear area, urinal or fixed waste receptacle. The unit must be mounted within the reach range and space requirements. An accessible restroom is comprised of an accessible entrance, accessible turning space, and at least one type of accessible dispenser and fixture of each type. The Airblade AB09 Short Tap hand dryer would be considered a lavatory sink mounted unit, which should meet those requirements.



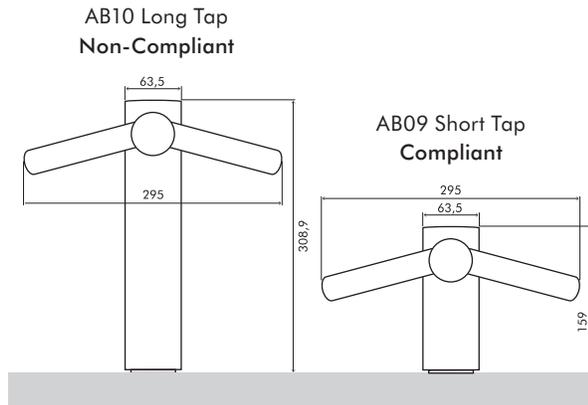
Clear floor ground space:

Often accessibility code concepts are concerned with people in a seated position who use wheelchairs, which naturally limits the height and depth of their reach range. Because of the design of the Airblade Tap hand dryer, the front approach is the only way the unit can be properly used, therefore the side approach standards should not apply. A clear area in front of the unit should be a minimum of 30" wide by 48" of length. This area can overlap a circulation path but should not overlap other required accessible areas, for example, a lavatory sink in restrooms with access to more than one user at one time. Single use restrooms can overlap accessible areas due to the fact that they are used by only one person at a time.



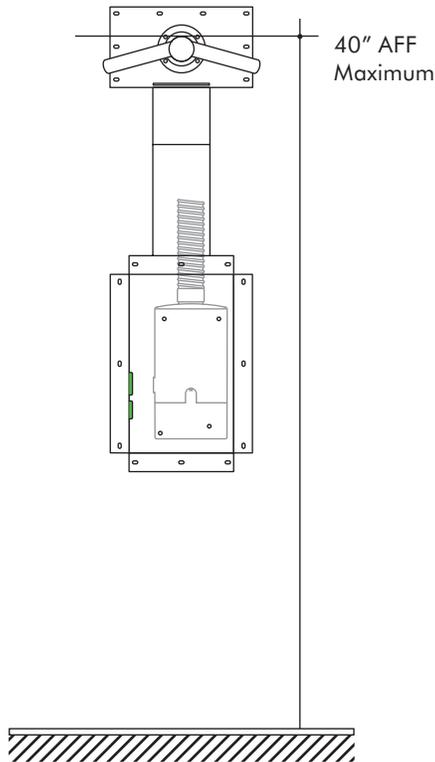
AB09 Short Tap unit:

AB09 Short Tap unit operable area would be approximately 37" above the finished floor, which would be considered to be within the proper accessible usability range. Like the Airblade V unit, with the understanding that hand drying occurs approximately 2 inches below the air edge blower, so the 37" usable range would be compliant. The current Dyson Technical Specification recommends 4 inches from the floor for air intake, which would put the motor bucket within the non-compliant range. It is recommended to maintain the 9" toe clearance for all installations. The power cord should be kept out of the toe clearance area.



AB10 Long Tap unit:

In reviewing the AB10 Long Tap unit, the additional 6" of height would move the operable area above the 40" finished floor accessible range when mounted on the required 34" high lavatory top surface making it non-compliant. There may be certain instances that the long unit would be ideal so it is recommended that a compliant short unit be installed with one or more long unit installation.



AB11 Wall Tap unit:

The AB11 Wall Tap unit should be compliant if the top of the sink stem is mounted at 40" above the finished floor. The reach range would generally be within the acceptable 20" distance for a standard accessible sink installation. Again, in those cases your design professional should be able to determine general compliance. Knee and toe clearances should always be maintained for any installation.

Dyson Airblade AB09 short tap and AB11 wall tap accessible installation matrix:	Yes/No	Compliant
Does the unit have the required front approach 30" x 48" clear floor clearance?	Yes	Yes
Does the reach range exceed 40" maximum height above the finished floor surface?	No	Yes
Is the hand dryer mounted at a height where it is considered a protruding object?	No	Yes
Does the front edge project more than 4" into the path of travel when properly mounted?	No	Yes
Does the operable part of the unit exceed the forward 20" reach range?	No	Yes
Does the unit provide the proper 9" toe clearance?	Yes	Yes

Conclusion

Based on the review of the three Airblade Tap sink integral faucet-hand dryers, it is concluded that in a standard restroom lavatory installation the Airblade AB09 Short Tap and AB11 Wall Tap mounted at the correct height would be compliant. As always, if a front approach clear area with no conflicting overlapping accessible areas exists, then the unit should comply with accessible requirements.

LOW VOLTAGE AND HIGH VOLTAGE TECHNICAL SPECIFICATION

Electrical

Input voltage: Low Voltage = 110-127 V, High Voltage = 208 V

Frequency: Low Voltage = 50 or 60 Hz, subject to voltage (85-115 V at 50 Hz; 85-130 V at 60 Hz); High Voltage = 50 & 60 Hz

Rated power: 1400 W

Motor type: Dyson digital motor – V4 brushless DC Motor

Motor switching rate: 6,100 per second

Motor speed: 92,000 rpm

Amp: Recommended dedicated 15 amp circuit, Low voltage = 11.7 amps at 120V, High voltage = 7.3 amps

Operating temperature range: 32° – 104°F

Heater type: None

Standby power consumption: Less than 0.5 W

Construction

Tap construction: Stainless steel (brushed)

Lead Free

Under counter motor bucket: Molded ABS (main unit) also uses polycarbonate and polypropylene

Exterior screw type: Torx T15

Water ingress protection rating to IP35

Filter

Double-life HEPA filter (glass fiber and fleece prelayer)

Bacteria removal 99.97% at 0.3 microns

Operation

Touch-free infra-red activation

Hand dry time measurement: 14 seconds*

Operation lock-out period: 30 seconds

Airspeed at apertures: 420 mph

Maximum Altitude: 2,000m/6,561 ft.

Operating airflow: Up to 7.92 gal/sec and 63.5 CFM

Rated operating noise power: 85 db(A)

Water operation

Water flow rate: 1.06 gal/min

Tap Aerator: 0.5 gal/min aerator outlet (Note: Optional .35 gal/min multi spray laminar aerator available as a service part)

Tap power supply: Mains supply

Water temperature control: Thermostatic mixer recommended (not supplied)

Water pressure required: 14.5-116 psi

Logistics

Serial number prefix: AB09 AN5; AB10 AN6; AB11 AN7

Net weight: AB09 9.5 lbs.; AB10 10.1 lbs.; AB11 19.7 lbs.

Packaged weight: AB09 13.4 lbs.; AB10 14.3 lbs.; AB11 25.9 lbs.

Packaged dimensions: AB09 (H) 11⁷/₈" × (W) 11¹/₈" × (D) 11¹/₄"; AB10 (H) 10⁷/₈" × (W) 17¹/₄" × (D) 11"; AB11 (H) 11⁷/₈" × (W) 24" × (D) 14³/₄"

UPC barcodes: Low Voltage – AB09: 885609001500, AB10: 885609001494, AB11: 885609001487; High Voltage – AB09: 885609004402, AB10: 885609004419, AB11: 885609004426

Standard guarantee

5 year parts and 5 year limited labor warranty



Product range (Select one)

AB09 Short

Part number/SKU

Low Voltage: 301848-01

High Voltage: 301841-01

AB10 Long

Part number/SKU

Low Voltage: 301849-01

High Voltage: 301842-01

AB11 Wall

Part number/SKU

Low Voltage: 301850-01

High Voltage: 301843-01



Sink specifications

The Dyson Airblade™ Tap is compatible with most sink types. Ensure plugs are not installed in the sinks. See the Tap Pre-Installation Guide for more details.

Sink dimensions: All sink measurements are internal unless stated otherwise. Sink width – Min.: 13³/₄", Front to back – Min.: 11³/₄"; Sink depth – Min. 4"; Max. sink depth – AB10 only: 7⁷/₈" (External measurement of vessel sink).

Sink materials: Sinks with highly polished surfaces should be avoided e.g. shiny chrome. Porcelain or brushed metal are ideal.

Accreditations

Carbon Trust

HACCP International

NSF International

AB09 Short and AB11 Wall are ADA compliant

Contributes to LEED certification



The Carbon Reduction Label is the registered trademark of the Carbon Trust. HACCP International non-food certification mark is the registered trademark of HACCP International. HACCP International have certified Dyson products based on their recommended installation and operating conditions. The NSF logo is the registered trademark of NSF International.

*Dry time measured using Dyson test method 769 based on NSF P335 using a measurement of 0.1g residual moisture.

For more information, please contact Dyson: 1-888-397-6622,
www.dysonairblade.com, airbladeinfo@dyson.com

dyson airblade tap

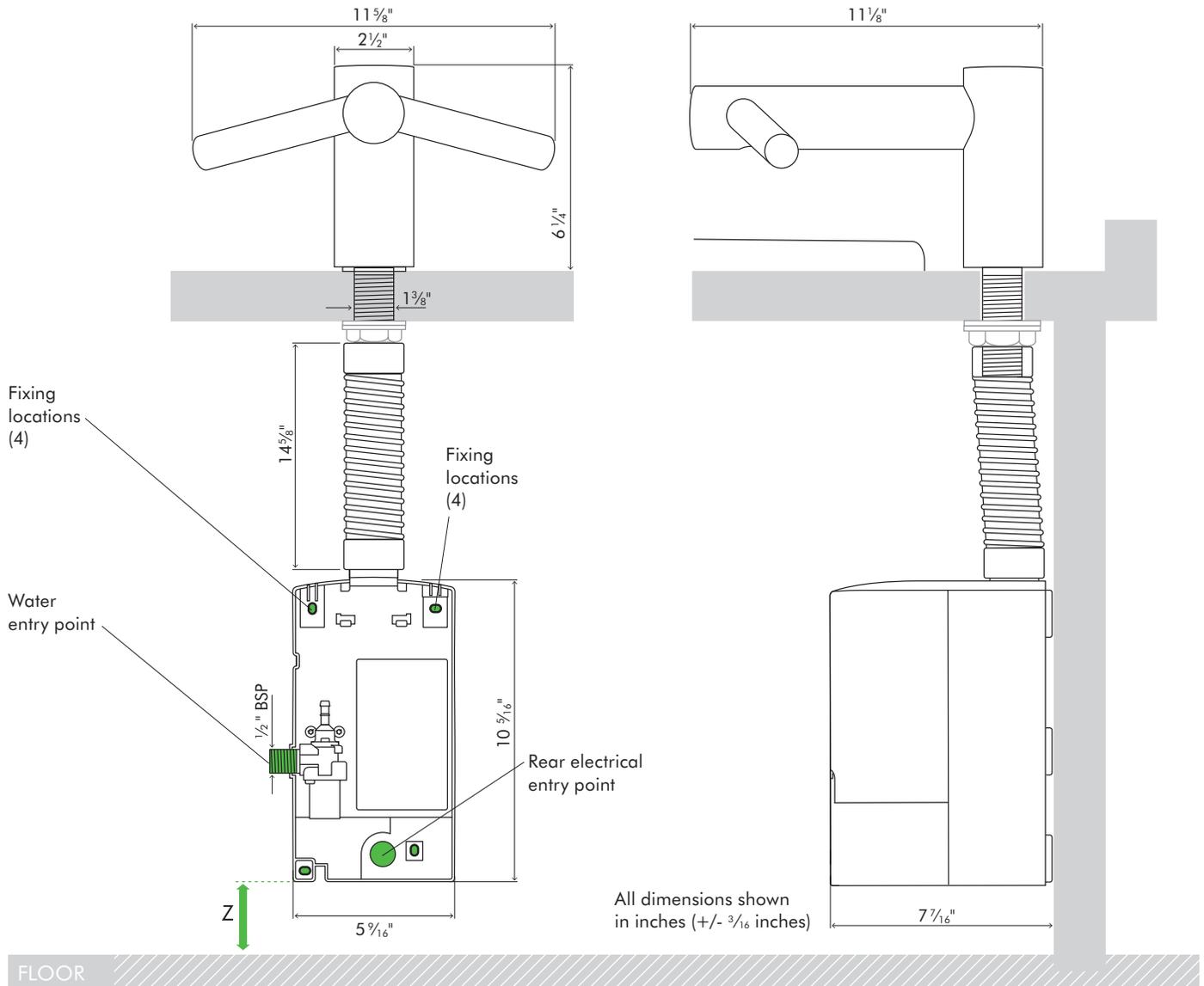
TECHNICAL SPECIFICATION

AB
09 10 11



FRONT ELEVATION

SIDE ELEVATION



Tap dimensions

AB09 Height 6 1/4" Width 11 5/8" Depth 11 1/8"

Motor bucket dimensions

AB09 Height 10 5/16" Width 5 9/16" Depth 7 7/16"

Minimum clearance

Z 4" clearance from floor. (ADA requires 9" toe clearance)

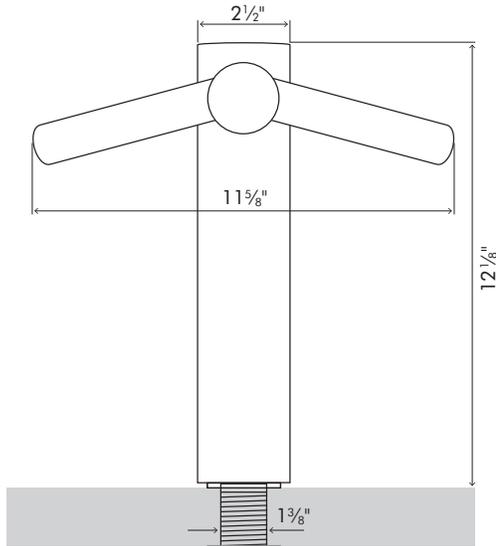
dyson airblade tap



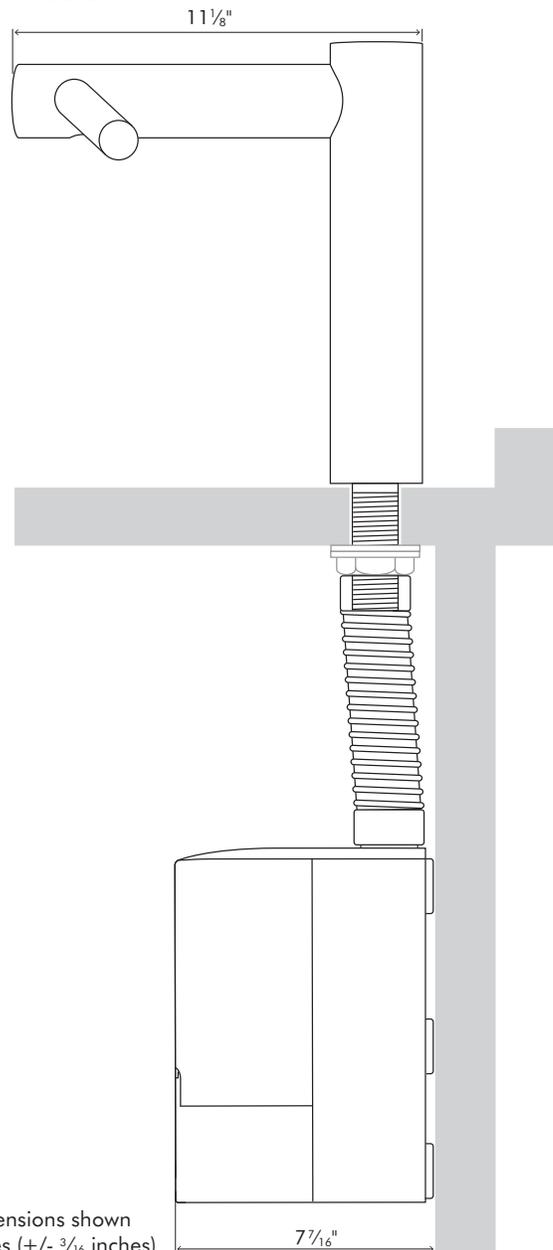
TECHNICAL SPECIFICATION

AB 09 AB 10 AB 11

FRONT ELEVATION



SIDE ELEVATION



Fixing locations (4)

Fixing locations (4)

Water entry point

1/2" BSP

Rear electrical entry point

Z

All dimensions shown in inches (+/- 3/16 inches)

FLOOR

Tap dimensions

AB10 Height 12 1/8" Width 11 5/8" Depth 11 1/8"

Motor bucket dimensions

AB10 Height 10 5/16" Width 5 9/16" Depth 7 7/16"

Minimum clearance

Z 4" clearance from floor. (ADA requires 9" toe clearance)

For more information, please contact Dyson: 1-888-397-6622, www.dysonairblade.com, airbladeinfo@dyson.com

