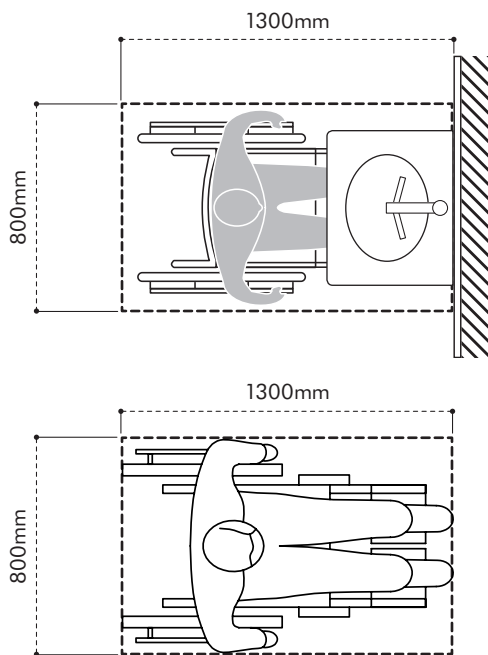


## Mobility access within washroom facilities

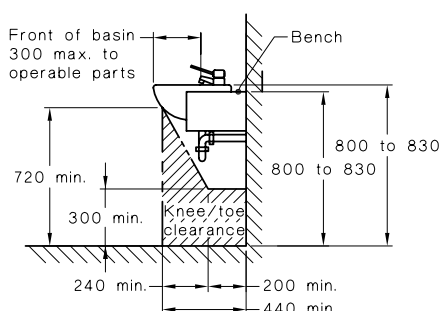
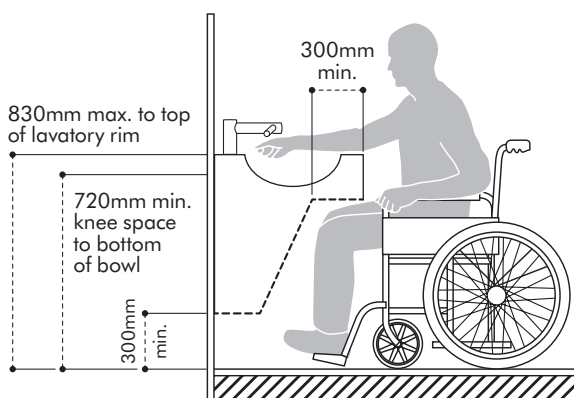
Because the Dyson Airblade Wash+Dry hand dryer is installed as a sensor operated dual use sink and hand drying unit within the restroom, it must maintain all lavatory sink knee and toe clearance requirements. The unit must be located on an accessible route and may not protrude into any required accessible 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 Tap AB09, AB11 and Wash+Dry WD04 and WD06 hand dryers would be considered a lavatory sink mounted unit, which mounted at the correct height should meet those requirements. Airblade AB10 and WD05 are not compliant.



AS/NZS 1428.1 Figure 1 utilises dimensions of a 90th percentile wheelchair size i.e 800mm x 1300mm for new accessible sanitary facilities.

### 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 800mm wide by 1300mm 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.

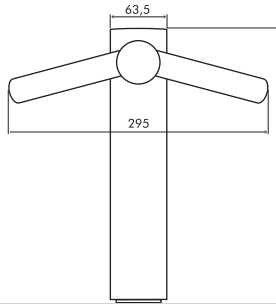


The basin height and other relevant dimensions shall be in accordance with AS/NZS 1428.1, Figure 44(A). All components must be outside this required knee and footplate clearance area.

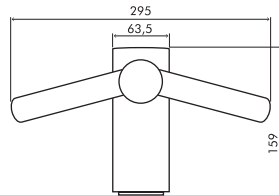
### AB09 Short Tap and Wash+Dry WD04 units:

AB09 Short Tap and Wash+Dry WD04 units would be approximately 940mm 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 940mm 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 300mm toe clearance for all installations. The power cord should be kept out of the toe clearance area.

WD05 & AB10 Long Tap  
Non-Compliant

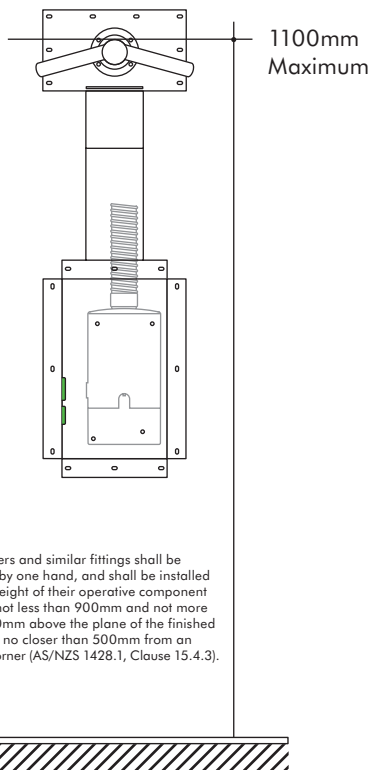


WD04 & AB09 Short Tap  
Compliant



### AB10 Long Tap and Wash+Dry WD05 units:

In reviewing the AB10 Long Tap and Wash+Dry WD05 units, the additional of height would move the operable area above the 1100mm finished floor accessible range when mounted on the required 830mm 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.



Hand dryers and similar fittings shall be operable by one hand, and shall be installed with the height of their operative component or outlet not less than 900mm and not more than 1100mm above the plane of the finished floor, and no closer than 500mm from an internal corner (AS/NZS 1428.1, Clause 15.4.3).

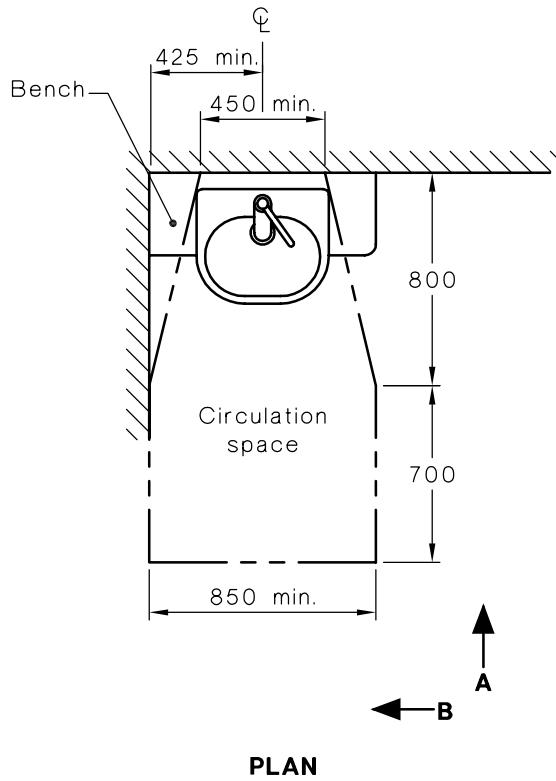
### AB11 Wall Tap and Wash+Dry WD06 unit:

The AB11 Wall Tap and Wash+Dry WD06 units should be compliant if the top of the sink stem is mounted at 1100mm above the finished floor. The reach range would generally be within the acceptable 300mm 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 & WD04 short tap and AB11 & WD06 wall tap accessible installation matrix:	Yes/No	Compliant
Does the unit have the required front approach 800mm x 1300mm clear floor clearance?	Yes	Yes
Does the reach range exceed 1100mm 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 operable part of the unit exceed the forward 300mm reach range?	No	Yes
Does the unit provide the proper 300mm min knee to toe clearance?	Yes	Yes

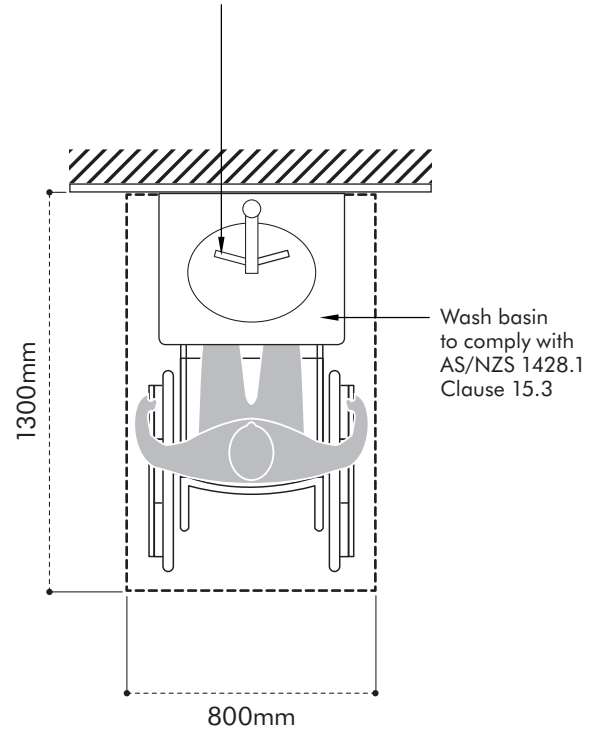
## Conclusion

Based on the review of the Airblade Tap and Wash+Dry sink integral faucet-hand dryers, it is concluded that in a standard restroom lavatory installation the Airblade AB09 Short Tap or Wash+Dry WD04 and Wash + Dry WD06 or 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.



Extract of AS/NZS 1428.1  
Figure 44(B)

No part of the Airblade tap must be located within 500mm of the side wall / internal corner to comply with AS/NZS 1428.1 Clause 15.4.3



Modified Extract of AS/NZS 1428.1  
Figure 44(B)

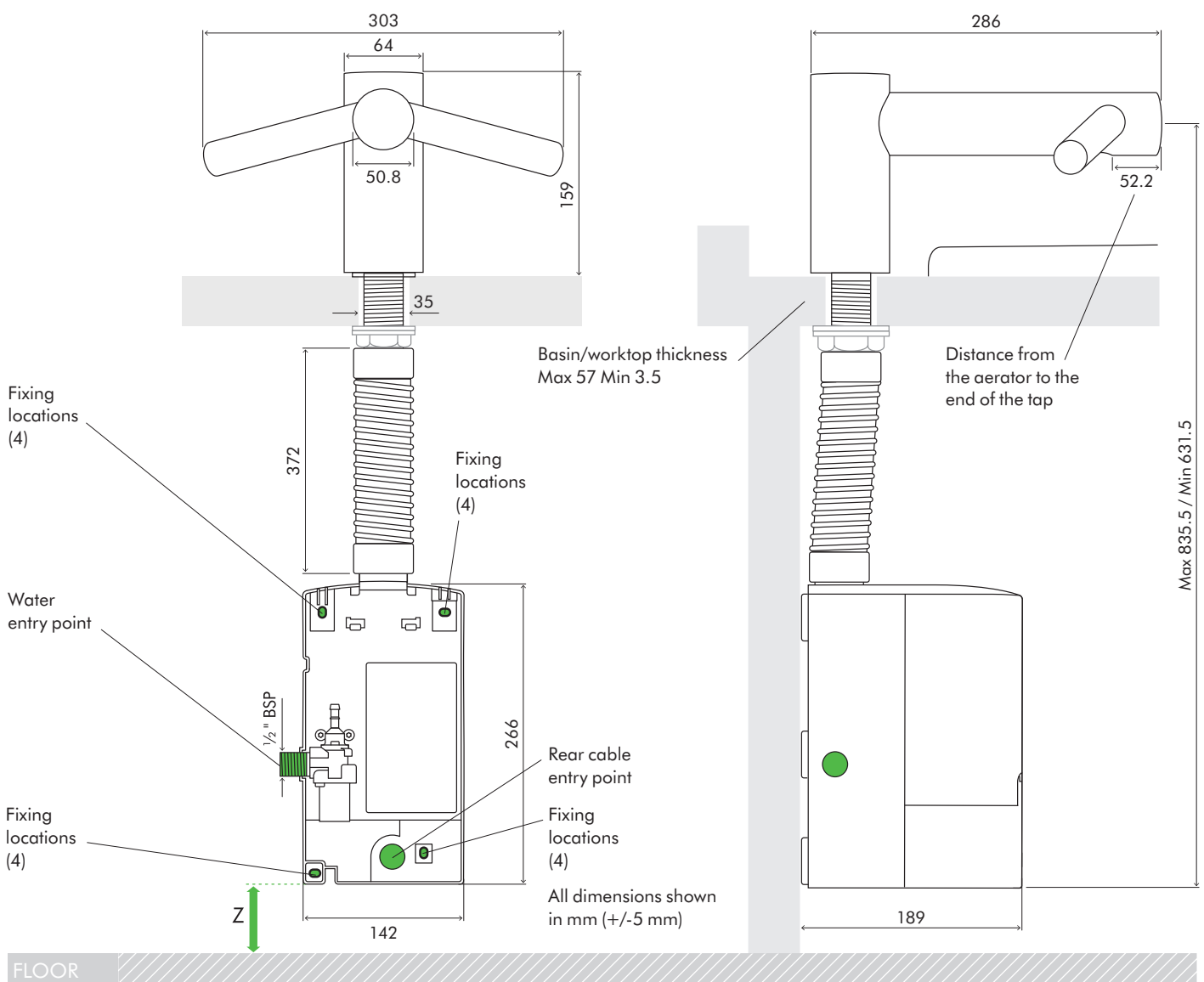
## TECHNICAL SPECIFICATION

WD WD WD  
04 05 06



FRONT ELEVATION

SIDE ELEVATION



Tap dimensions
WD04 Height 159 mm Width 303 mm Depth 286 mm
Motor bucket dimensions
WD04 Height 266 mm Width 142 mm Depth 189 mm

Minimum clearance
Z 100 mm clearance from floor

For further information please contact Dyson  
 AU: 1800 426 337 [AUCommercial@dyson.com](mailto:AUCommercial@dyson.com)  
 NZ: 0800 397 667 [NZCommercial@dyson.com](mailto:NZCommercial@dyson.com)

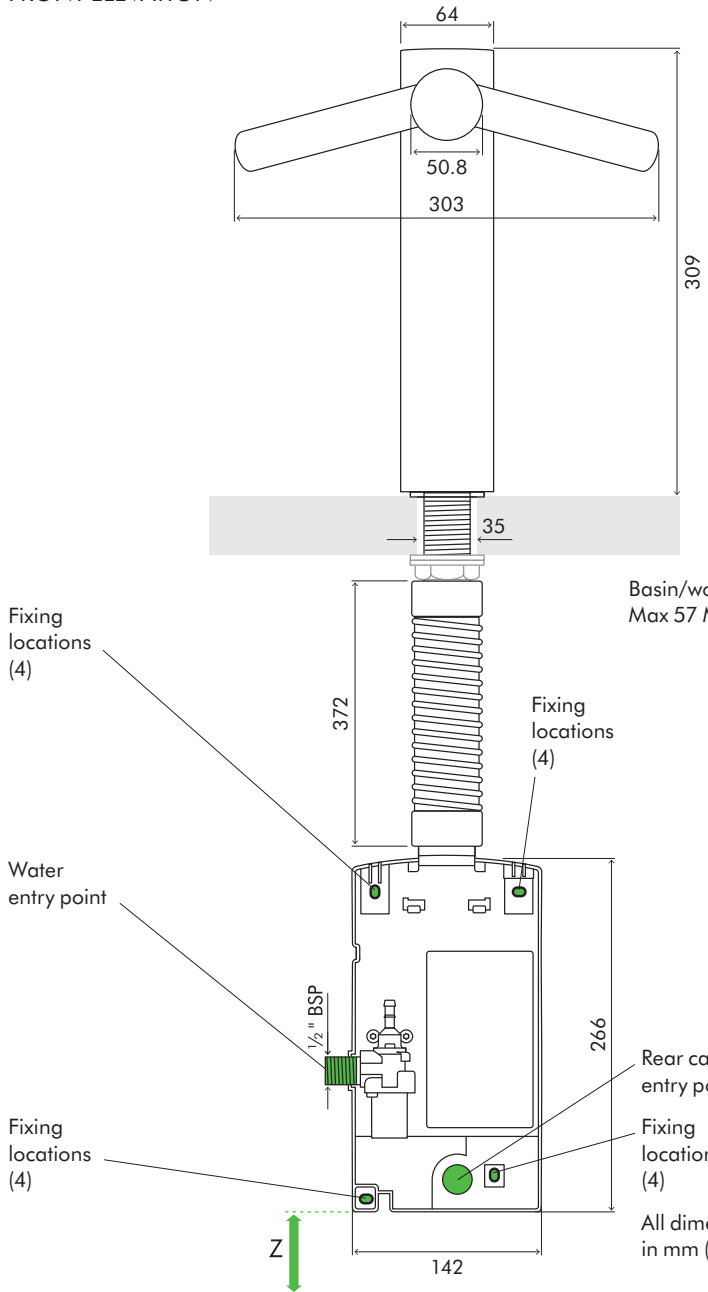
## TECHNICAL SPECIFICATION



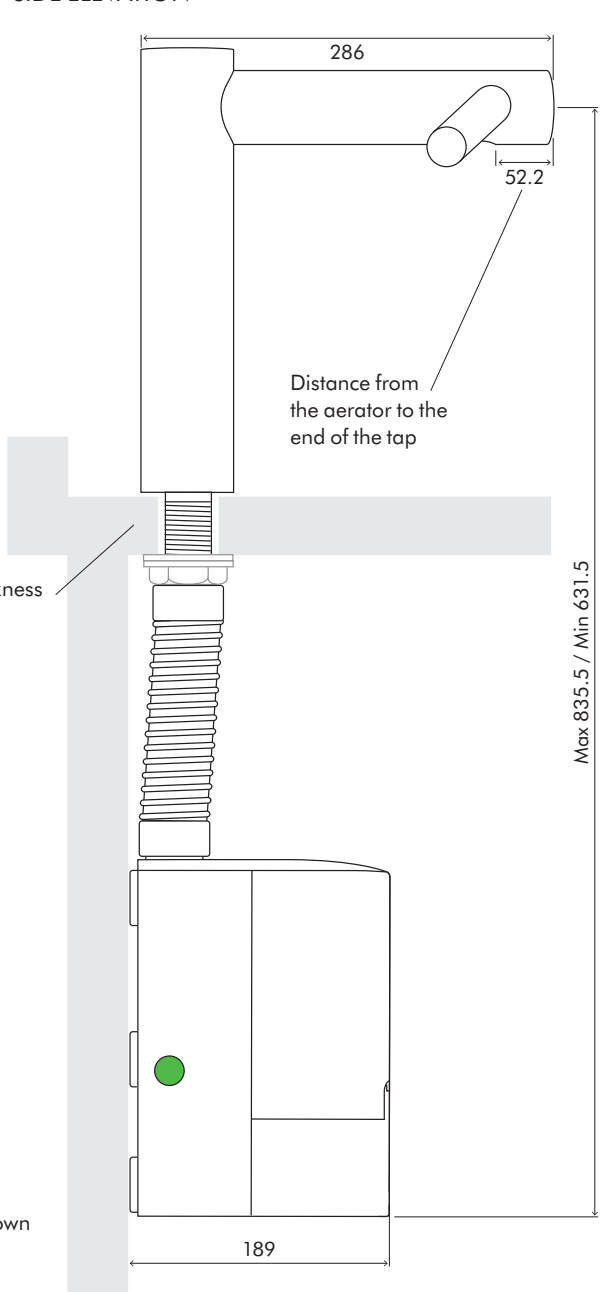
Tall

WD WD WD  
04 05 06

FRONT ELEVATION



SIDE ELEVATION



FLOOR

### Tap dimensions

WD05 Height 309 mm Width 303 mm Depth 286 mm

### Motor bucket dimensions

WD05 Height 266 mm Width 142 mm Depth 189 mm

### Minimum clearance

Z 100 mm clearance from floor



## TECHNICAL SPECIFICATION

WD WD WD  
04 05 06



Wall

### WD06 Wall installation

The Dyson Airblade Wash+Dry hand dryer is designed so that the motor unit is located behind the stud wall within a metal enclosure which is supplied with the Dyson Airblade Wash+Dry hand dryer (Fig.1). The vertical wall studs must be constructed so as to allow the metal enclosure to be fitted between them (Fig.2). One of the horizontal wall studs must be fitted a) so it holds the main weight of the metal duct and the unit, and b) so it is in the correct position for the tap stem.

For complete instructions, please refer to the printed installation guide supplied with the machine. It's also available online at [www.dyson.com.au/hand-dryers/useful-documents](http://www.dyson.com.au/hand-dryers/useful-documents)

Fig.1



Fig.2

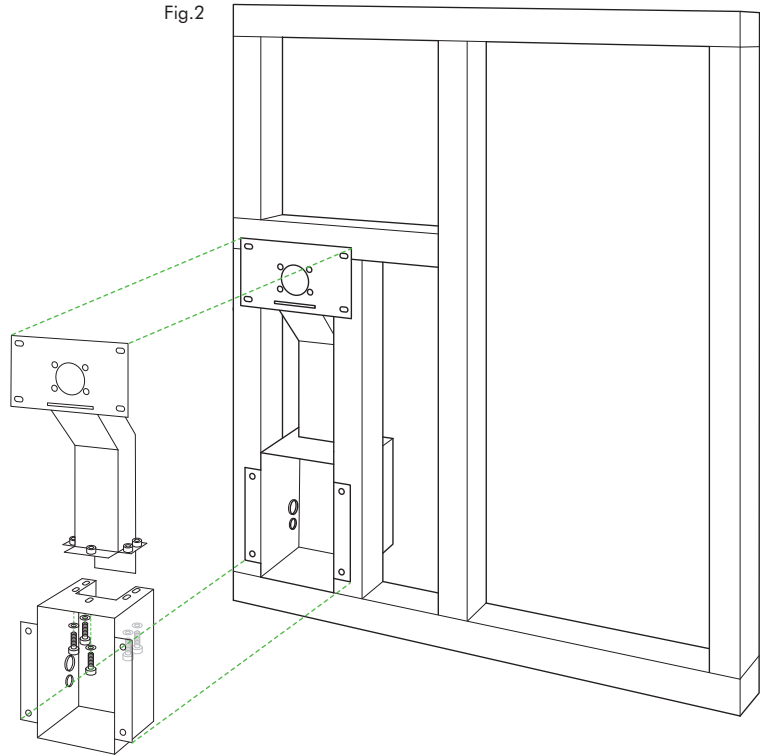


Fig.3

Install plasterboard.

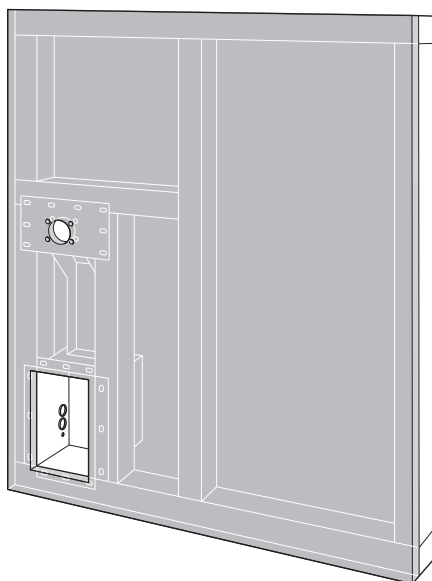
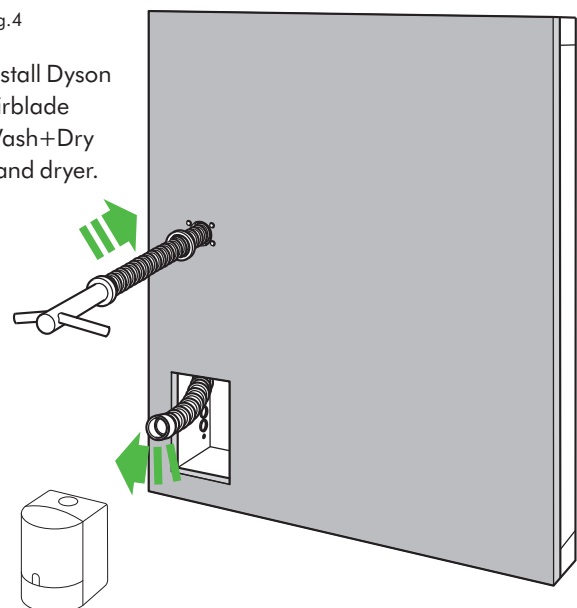


Fig.4

Install Dyson Airblade Wash+Dry hand dryer.



## TECHNICAL SPECIFICATION

WD WD WD  
04 05 06

### Electrical

Input voltage/Frequency: 200-240V 50-60Hz

Motor specification: 1000W digital brushless motor

Operating temperature range: 0°-40°C

Heater type: None

Standby power consumption: Less than 0.5 W

### Construction

Tap construction: Stainless steel (brushed)

Under counter motor assembly construction: Moulded ABS (main unit)

Exterior screw type: Torx T15

Water ingress protection to IP35

### Filter

HEPA filter (glass fibre and fleece prelayer)

Captures 99.95% of particles the size of bacteria from the washroom air<sup>1</sup>

### Operation

Touch-free infra-red activation

Hand dry time measurement: 14 seconds

Operation lock-out period: 30 seconds

Airspeed at apertures: 549 km/h

Maximum altitude: 2,000 metres

### Water operation

Water flow rate: 1.9 l/min normal fitted aerator.

4 l/min with low flow aerator supplied with product.

Water temperature control: Thermostatic mixer recommended (not supplied)

Water pressure required: 100-800 kPa

Equipped with automatic duty flush – every 24 hours for 60 seconds after the last use.

### Logistics

Net weight: WD04 4.26 kg; WD05 4.54 kg; WD06 9.51 kg

Packaged weight: WD04 6.76 kg; WD05 7.38 kg; WD06 13.65 kg

Packaged dimensions: WD04 H303 × W284 × D291 mm

WD05 H434 × W275 × D288 mm; WD06 H610 × W375 × D302 mm

### Basin specification

The Dyson Airblade Wash+Dry hand dryer is compatible with most basin types. Ensure plugs are not installed in the basins and avoid inserts with embedded plugs (e.g. ones that swivel or elevate).

Using a specially designed test method, Dyson engineers evaluated the user experience of a wide range of basin types when used with the Dyson Airblade Wash+Dry hand dryer. For further details on our recommended basins, please contact Dyson.

We recommend avoiding basins with the following geometric characteristics; Flat bases immediately surrounding the drain hole. (nominally within a 60 mm radius).

Sloping back and front wall transitions in relation to the base of the basin.

See our pre-installation guide for further details:

[www.dyson.com.au/hand-dryers/useful-documents](http://www.dyson.com.au/hand-dryers/useful-documents)

Basin dimensions:

All basin measurements are internal unless stated otherwise.

Minimum width of basin: 350 mm, Front to back – Minimum: 300 mm

Minimum depth of basin: 100 mm

Maximum depth of basin for WD05 only: 200 mm

(External measurement of vessel basin)

Basin materials: Basins with highly polished surfaces should be avoided, e.g. reflective chrome. Porcelain or brushed metal is ideal. When multiple taps are installed side-by-side, tap centres should be a minimum of 580 mm apart.

### Standard guarantee

5 year parts, 5 year labour.

### Product range

WD04 Short



WD05 Tall



WD06 Wall



<sup>1</sup>HEPA filter tested to EN1822-5, by an independent testing laboratory, under prescribed test conditions.



# dyson airblade wash+dry

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**Further documents are available online to download.**

Pre-installation guide.

Installation guide.

Dyson Airblade Wash+Dry hand dryer brochure.

Cleaning guide.

CAD drawings.

Installation videos.



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HACCP International have certified Dyson products based on their recommended installation and operating conditions. Licensed by Dyson. Quiet Mark is a trade mark of the Noise Abatement Society.

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For further information please contact Dyson  
AU: 1800 426 337 [AUCommercial@dyson.com](mailto:AUCommercial@dyson.com)  
NZ: 0800 397 667 [NZCommercial@dyson.com](mailto:NZCommercial@dyson.com)