PRE-INSTALLATION INFORMATION

Sink specification guidelines
Using a specially designed test method, Dyson engineers tested a wide range of sinks to assess their compatibility with the Dyson Airblade Wash+Dry hand dryer. For recommended sinks, please use our guide at www.dyson.com/docs
Porcelain or brushed metal sinks are ideal.
Sinks with highly polished surfaces should be avoided e.g. reflective chrome.

Faucet mounting
The faucet stem (measured from the outside diameter) should be mounted 1/4" - 1 1/2" (15-40 mm) from the outside edge of the sink.
There should be a minimum of 11 1/2" (290 mm) between a faucet center and a side wall. When multiple faucets are installed side-by-side, faucet centers should be a minimum of 22 7/8" (580 mm) apart. This allows sufficient space for mounting the motor bucket, as well as sufficient shoulder room for users.

Sink dimensions (All internal measurements unless otherwise stated)
Fig.1 Width of sink minimum: 15" (380 mm), front to back of sink minimum: 13" (330 mm)
Fig.2 Maximum depth of sink for Tall Neck Faucet (WD05) only: 8" (200 mm) (External measurement of vessel/pedestal sink.)
Fig.3 Minimum distance from faucet center to top of sink (WD06 only) 5" (127 mm). Front edge of sink (all types – pedestal, recessed, slab) to wall minimum 16 1/2" (411 mm). Internal depth of sink minimum (for all models): 5" (127 mm)
**Faucet mounting**

Do not place the downward facing water sensor of the faucet over a reflective surface, such as the drainage hole. (Fig.4) For complete instructions, please refer to the printed installation guide supplied with the machine. It’s also available online at www.dyson.com/docs

**Soap and locating the soap dispenser**

For best user experience, Dyson recommends the use of gel soaps. The infrared sensing zone for air activation extends along each faucet branch. In order to prevent accidental activation, it’s important to consider the user’s hand route to the soap dispenser.

The dispenser should be located at least 2 5/16” (60 mm) outside the width of the faucet, so the user reaches around the side of the branch. It should also be located at least 2 5/16” (60 mm) above the branches, so that the sensors are not activated.

Please note that the user may reach diagonally across for the soap, so this path must not go through the sensing zone.
**Water drainage**

Due to high velocity air and water being in close proximity, there is a chance of some water and soap dispersion outside the sink dimensions. To alleviate this effect, we recommend following the below guidelines.

**Base profile**

Flat base profile will result in poor drainage leading to high levels of splashback.

To improve drainage, avoid sinks with a flat base with particular focus on the immediate area surrounding the drain hole, minimum 2 5/16\" (60 mm) radius (Fig. 5).

**Base to back and front wall transition**

The base to back and front wall transition should also be considered. The back wall should be as close to 90°, and at as sharp a radius as possible (Fig. 7). Curved geometry is more likely to increase splashback, whereas sloping back and front wall transitions should be avoided (Fig. 8 & 9).

**Fig. 5**

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X
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2 5/16\"
(60 mm)
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**Fig. 6**

Minimum of 6° angle from the edge of the drain hole of the sink will result in good drainage leading to reduced levels of splashback (minimum 2 5/16\" (60 mm) radius).

**Fig. 7**

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Vertical and sharp transition
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**Fig. 8**

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Vertical and smooth transition
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**Fig. 9**

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Sloped transition, especially on square or rectangular sinks
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Sink access guidelines

It is recommended that the following guidelines are followed to ensure there is sufficient access under the sink to allow for servicing and installation to take place (Fig.10).

Mounting the motor bucket (WD04/WD05)

Ensure 4" (100 mm) minimum clearance from bottom of motor bucket to floor/wall.
The motor bucket cannot be mounted upside down or installed above the sink.
Only the following is advised (Fig.11).

Plug hole

Plug holes with large apertures are recommended, whereas grill or perforated type plug holes should be avoided as they restrict the drainage of soapy water (lather).
Do not use plugs within the plug holes in sinks.

*Illustrations are for reference only and are not exact product renderings.
Installing WD06

The WD06 Dyson Airblade Wash+Dry hand dryer is designed so that the motor unit is located behind a stud wall within a metal enclosure which is supplied with the Dyson Airblade Wash+Dry hand dryer (Fig.12). The vertical wall studs must be constructed so as to allow the metal enclosure to be fitted between them (Fig.13). 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 faucet stem.

For complete instructions, please refer to the printed installation guide supplied with the machine. It’s also available online at www.dyson.com/docs
**Water temperature control**

If you are connecting a hot and cold water feed you will need to install a thermostatic mixer.

![Diagram of water temperature control](image)

If connecting to cold only water feed you will need to install a heater.

![Diagram of water temperature control](image)

**Abusive testing**

The faucet has undergone rigorous abusive testing to ensure that it can withstand substantial forces and impacts typical of a commercial and public bathroom environment.

**Tools required**

To install this unit you will need (4) screws, and appropriate fittings

- Torx T15 screwdriver – long handle
- Electrical drill with suitable drill bit
- 4 wall plugs (check suitability for wall type)
- 9/32” (7 mm) flat head screwdriver
- Flat terminal block screwdriver
- Adjustable wrench
- Sharp knife/blade
- Pan head screws, toggle or masonry type
- Conduit as per local electrical regulations

**Electrical**

- Input voltage/Frequency: 100-120V (100-110V at 50Hz; 120V at 60Hz)
- Isolated by switch fuse spur or RCD as appropriate
- Current 6.6 A
- Local electrical regulations must be adhered to when installing or repairing the product
- Rated power: 1000 W
- Operating temperature range: 0°-40°C, 32°-104°F
- Standby power consumption: Less than 0.5 W

**Water operation**

- Water flow rate: 0.5 gallons/min (1.9 liters/min) low flow fitted aerator
- 1.0 gallons/min (3.8 liters/min) with aerator supplied with product
- Water temperature control: There is no in-built function to change the temperature of the water. The use of a Thermostatic mixer or heater (not included) is recommended.
- Water pressure required: 1-8 bar
- 1 ½” BSP isolated valve required for service
- Maximum altitude: 8,858 feet (2,700 meters)

**Water supply cleanliness and biological growth**

In some countries there are regulations or guidelines that require temperature controlled water supply systems (such as that supplied to the Dyson Airblade Wash+Dry hand dryer) to be subjected to regular cleaning to minimize any biological growth.

To enable you to meet these regulations, the Dyson Airblade Wash+ Dry hand dryer has been designed and tested to withstand internal cleaning both with hot water up to 95°C, 203°F and with sodium hypochlorite at a concentration of 0.45%.

Please refer to specific (market) regulations and water supply system recommendations for information on cleaning regimes for water supply cleanliness and biological growth for your country.

When carrying out internal cleaning of the Dyson Airblade Wash+ Dry hand dryer, please be aware of any safety considerations when using hot water or chemicals. Dyson will not be responsible for any injury caused by this process.