

dyson airblade

The fastest, most hygienic hand dryers.

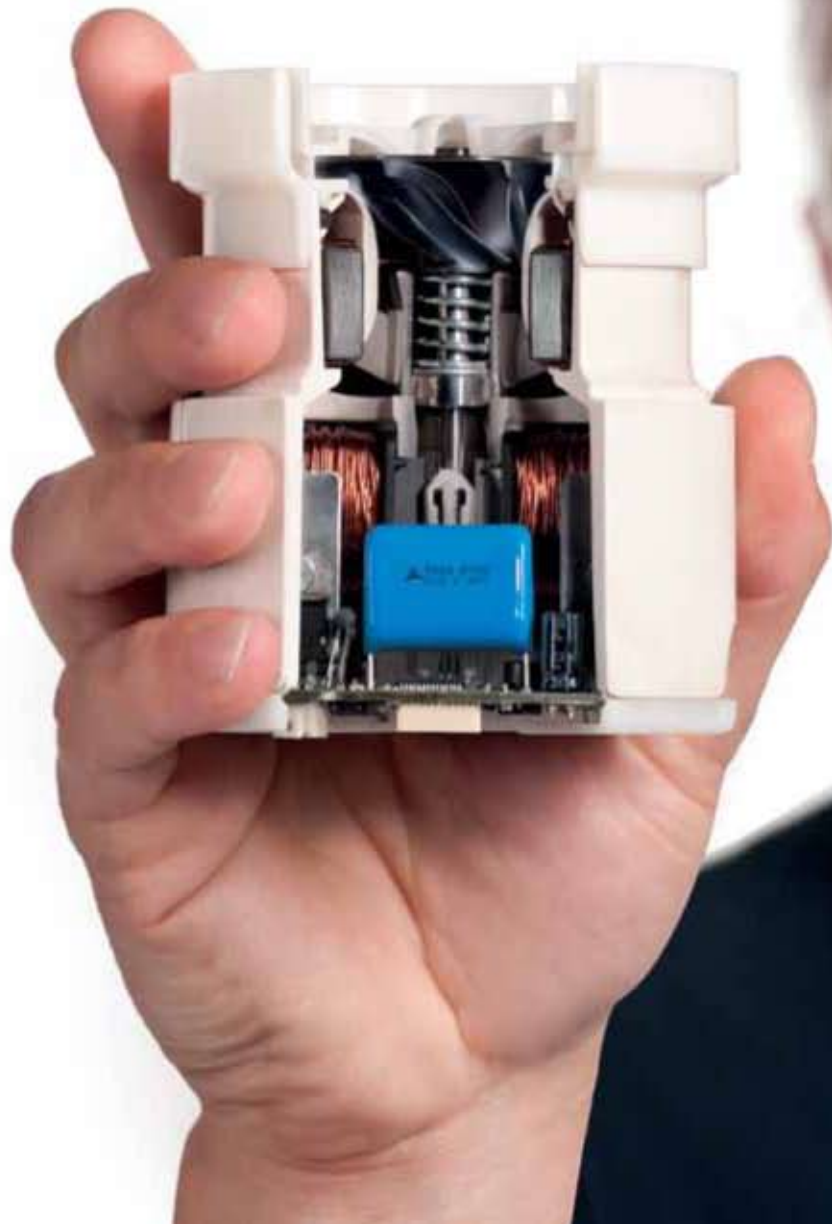


"It's been seven years in the making but we've now achieved something quite revolutionary in motor design – one of the world's smallest fully-integrated 1600W motors.

It was just the starting point for our latest hand drying technology."

James Dyson

Inventor



Powered by the latest
Dyson digital motor

dyson airblade Mk2



Concentrated Airblade™
hand drying technology

dyson airblade V



Airblade™ hand drying
technology in a tap

dyson airblade tap



43 sec



10 sec



10 sec

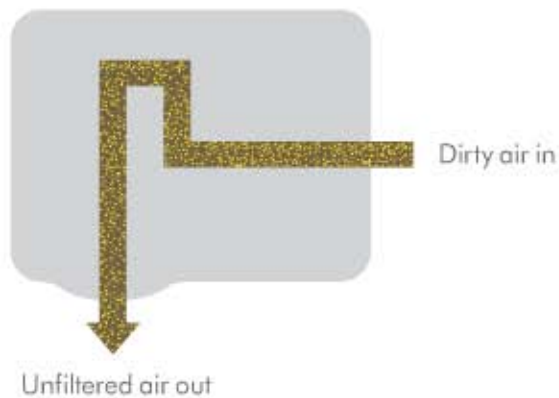


12 sec

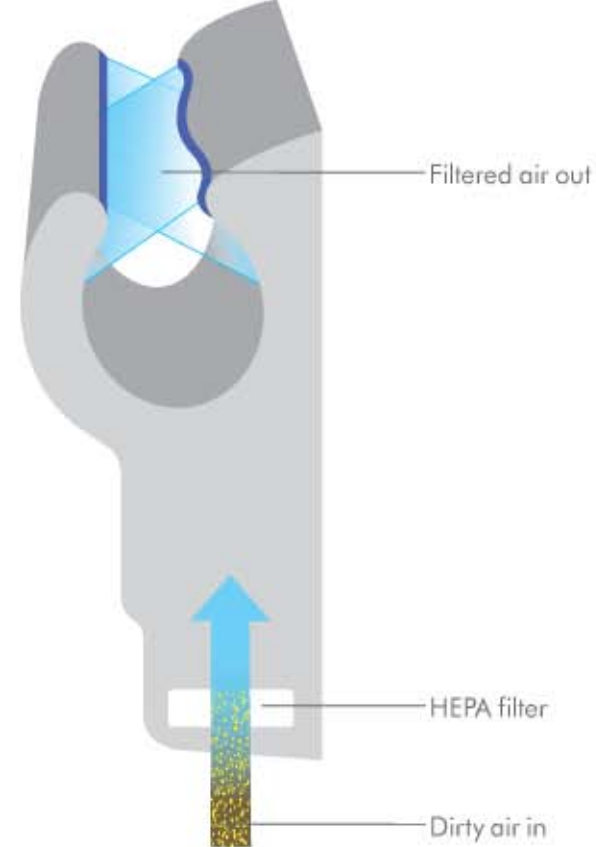


Other hand dryers are too slow
Testing based on NSF Protocol P335 shows that most other hand dryers are much slower than claimed by their manufacturers. Many people give up when using a slow hand dryer. But damp hands can spread up to 1,000 times more bacteria than dry hands.

Dyson hand dryers are the fastest
Testing based on NSF Protocol P335 proves that Dyson Airblade™ hand dryers are the fastest. Every second, up to 30 litres of air are forced through apertures up to 0.8mm wide. The result – 690km/h sheets of air that scrape water from hands, drying them quickly and hygienically.



Other hand dryers are unhygienic
They don't filter bacteria and viruses from the washroom air. They suck in dirty air then blow it back onto hands.



The most hygienic hand dryers
Dyson Airblade™ hand dryers use HEPA filters. 99.9% of bacteria and viruses in the washroom air are captured. So hands are dried using cleaner air, not dirty air.

€1,460

per year



€157

per year



€40

per year



€43

per year



€48

per year



**Other hand drying methods
are expensive to run**

Paper towels need constant restocking and disposal. Most other hand dryers are slow so they're energy hungry.

Low running costs

Dyson Airblade™ hand dryers cost up to 69% less to run than other hand dryers, and 97% less than paper towels.¹

¹ For calculations visit dysonairblade.ie/calcs

17.8g
per dry



15.5g
per dry



5.0g
per dry



5.3g
per dry



5.8g
per dry



High impact on the environment

Dyson Airblade™ hand dryers produce at least 67% less CO₂ than some other hand dryers and 62% less than paper towels.¹

Low impact on the environment

Dyson Airblade™ hand dryers have a lower environmental impact across measures including carbon emissions and energy consumption.¹

¹ Based on LCA results of Dyson Airblade™ hand dryer with method developed in conjunction with Carbon Trust, and comparable results from T. Mantalbo, J. Gregory, R. Kirchain, Life Cycle Assessment of Hand Drying Systems (A Dyson commissioned study 2011). Data taken from U.S. environmental statistics including electricity grid mix and recycling practices.

Paper towels cause other problems

Blockages

Paper towels can clog waste water systems.

Overflowing bins

Soiled towels can end up on the floor of busy washrooms.

Empty dispensers

Dispensers are often left empty leaving no way to dry hands.

Expensive to run

They need constant restocking and disposal.

Wasteful

Used paper towels are rarely recycled, so they end up in landfill or are incinerated.

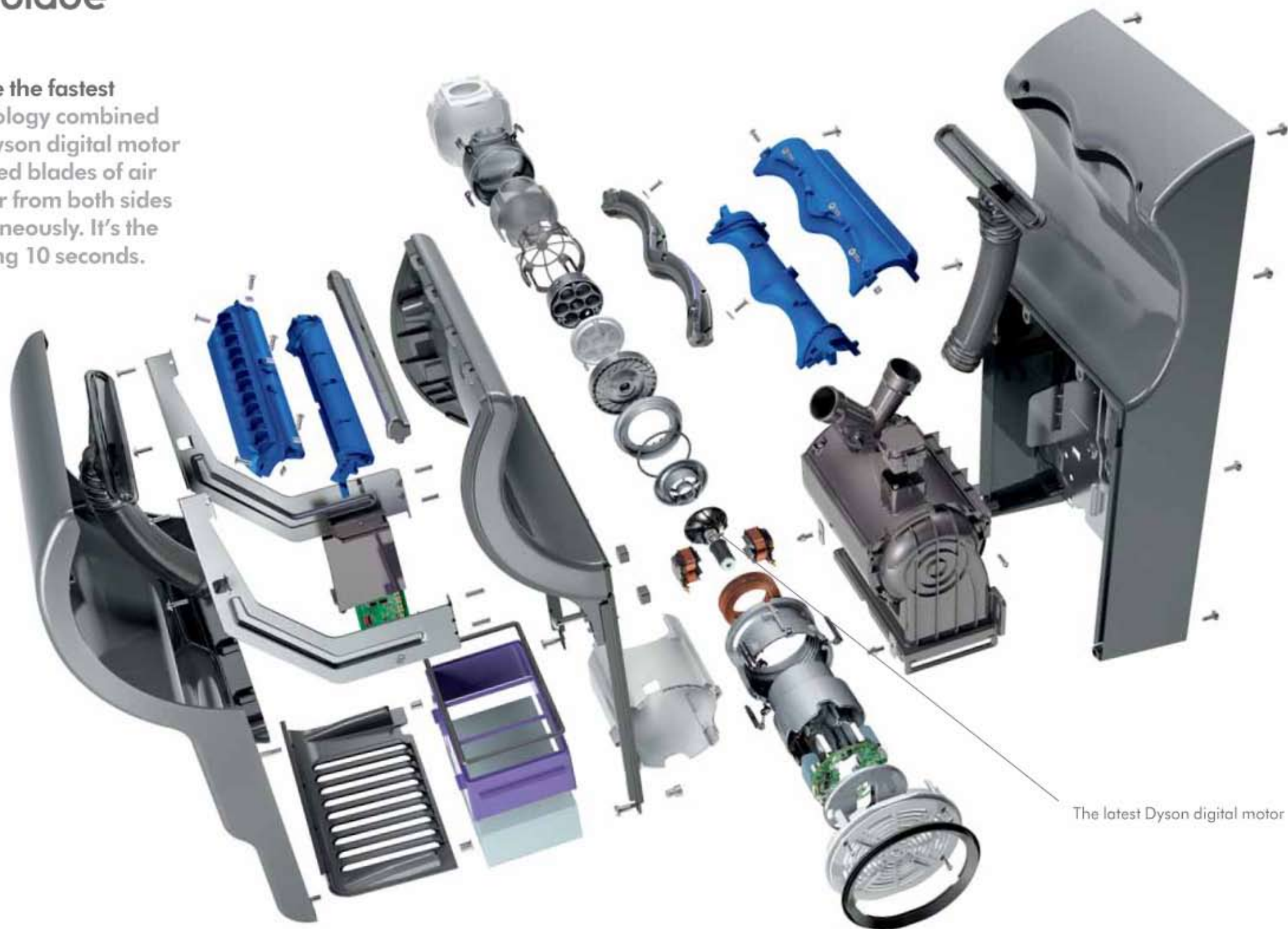
Create mess

Paper towels are often discarded without care. This can create a negative impression of washroom cleanliness.



dyson airblade^{Mk2}

Engineered to be the fastest Airblade™ technology combined with the latest Dyson digital motor creates high speed blades of air that scrape water from both sides of hands simultaneously. It's the fastest way, taking 10 seconds.



The latest Dyson digital motor

The most hygienic hand dryer
The Dyson Airblade Mk2 hand dryer dries hands in just 10 seconds. It's the fastest hand dryer. It also has touch-free operation, uses a HEPA filter and has a lifetime antimicrobial coating, which kills up to 99.9% of surface bacteria.

Approved for use in food environments by HACCP



Test. Test. Test.

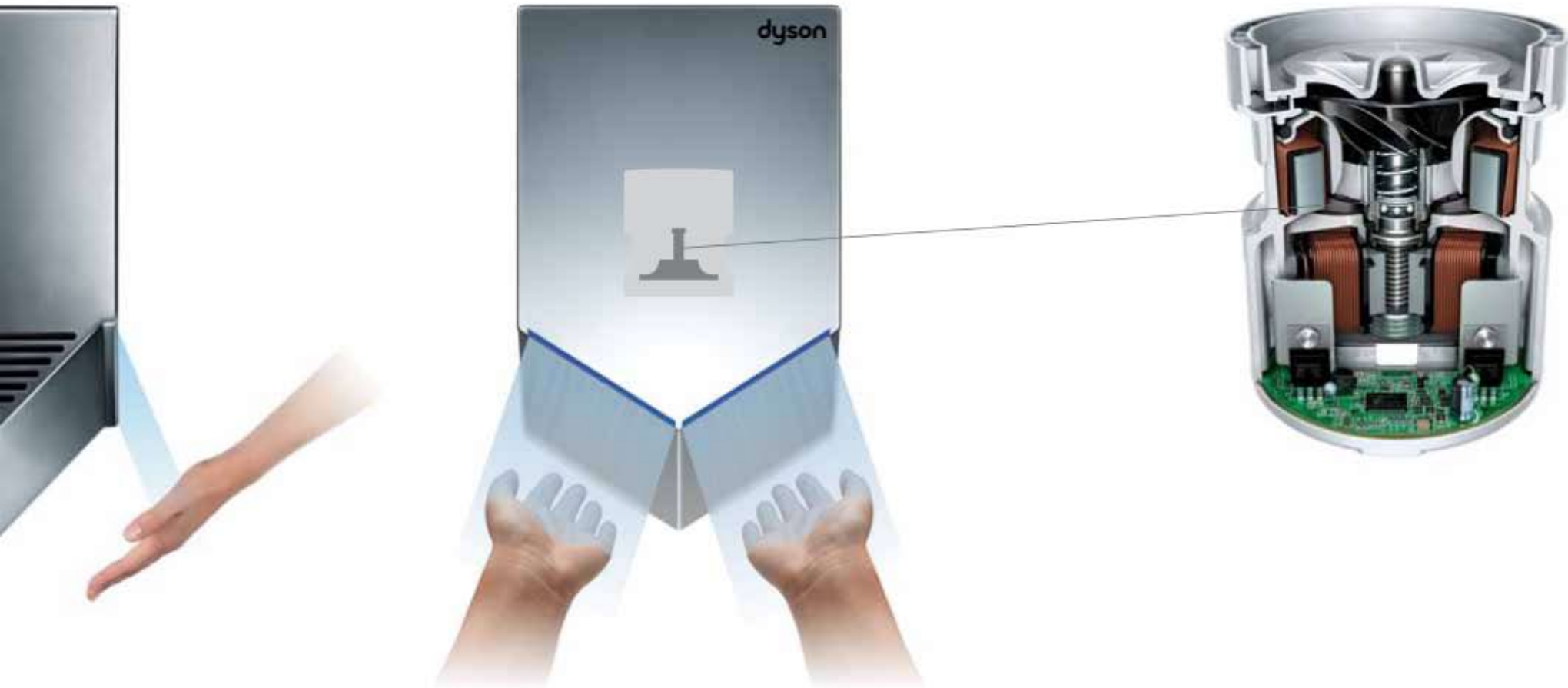
The Dyson Airblade Mk2 hand dryer is engineered to last. It has been repeatedly tested for durability and resilience to physical and chemical abuse. Dyson Airblade Mk2 hand dryers have also been exposed to real-life environments to ensure that they can withstand the pressures of high usage.

With strong construction and robust materials the Dyson Airblade Mk2 hand dryer is suitable for high footfall, high usage locations where vandalism can be an issue.

And because it uses 690km/h sheets of filtered air to dry hands, there is no heating element prone to wear and failure.

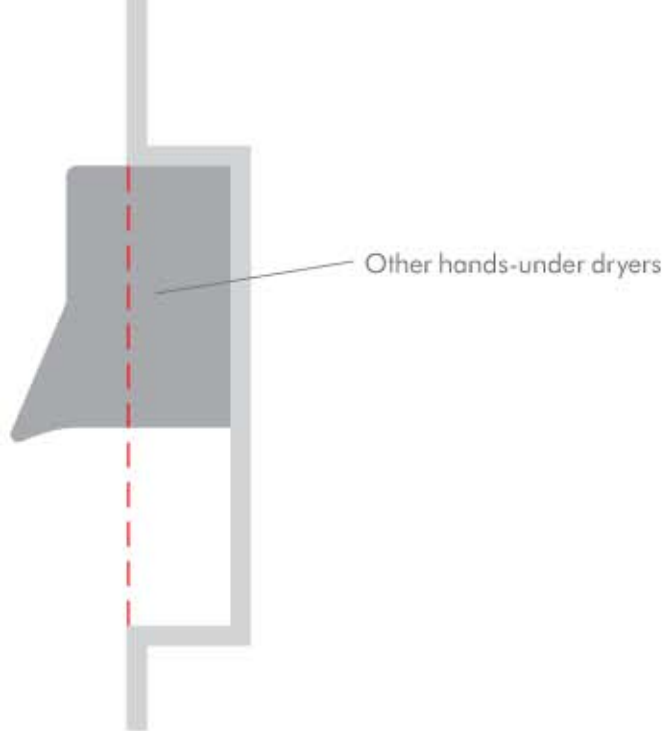


dyson airblade V



Concentrated, not compromised
Dyson engineers have developed one of the world's smallest 1600W motors, enabling them to build a hand dryer that protrudes just ten centimetres from the wall. It dries hands hygienically, in 10 seconds.

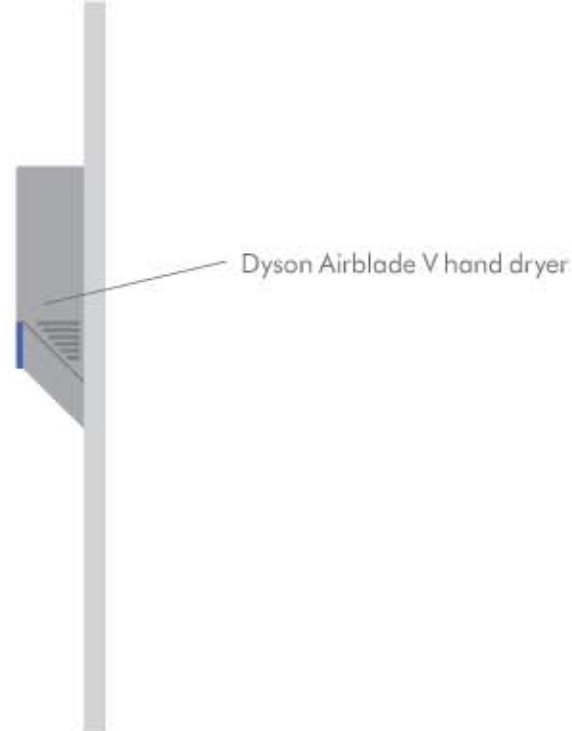
The latest Dyson digital motor
The impeller spins 90,000 times a minute – generating enough power to draw in up to 30 litres of air per second. With fully-integrated mechanical, electrical and aerodynamic systems, it's a high efficiency, power-dense package with a diameter of just 85mm.



Other hands-under dryers

In the wall

Because of bulky motors, other hand dryers may protrude too far from the wall. They may have to be recessed into the wall. This can be costly.



Dyson Airblade V hand dryer

On the wall

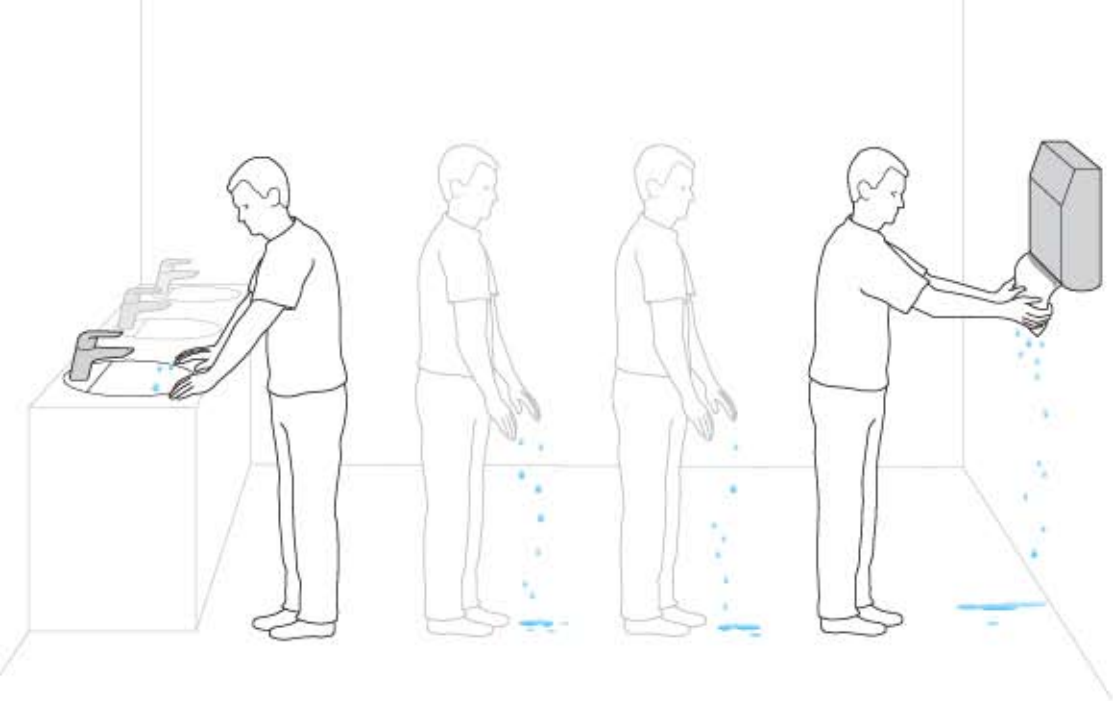
The Dyson Airblade V hand dryer is just 10 centimetres deep, so it can be installed without recessing and the associated costs.

dyson airblade tap

Wash and dry hands at the sink
With Airblade™ technology in a tap, hands can be dried at the sink in 12 seconds. There's no need to move to a separate drying area.

How it works
Both water and air are sensor operated so there are no taps to turn, or buttons to touch. Intelligent infrared sensors emit light to pinpoint hand positions. Computer circuitry coordinates the information and initiates the appropriate response of water or air without long delays. It's been tested for 365,000 cycles, and is mains powered, so there are no batteries to run out.





Water on the floor

Moving to a separate hand drying area with wet hands means water is often dripped on the floor. This can create problems in the washroom.

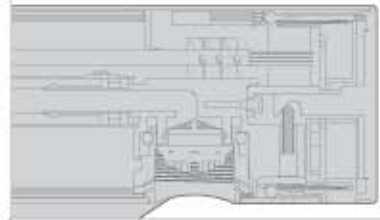


Water in the sink

With the Dyson Airblade Tap hand dryer water isn't dripped on the floor because you don't need to leave the sink with wet hands.

Inside the Dyson Airblade Tap hand dryer

Inside the tap



Laser welding

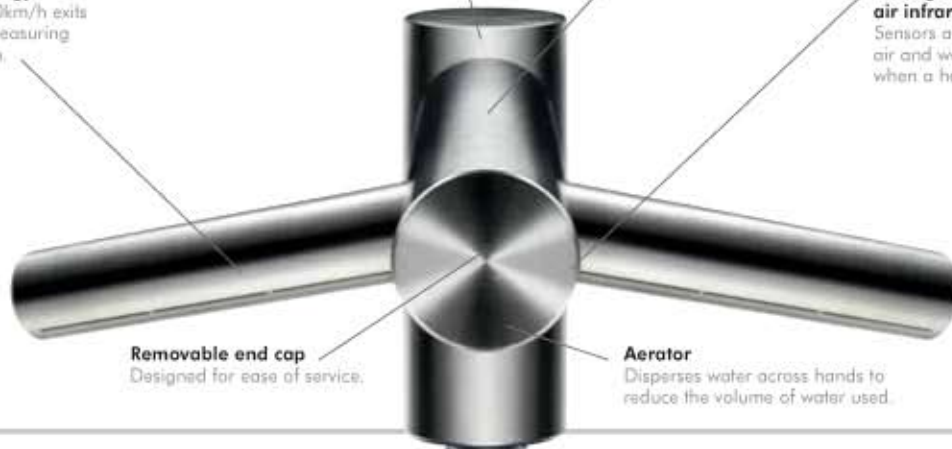
Fully-automated robotic precision cutting and welding allows high quality stainless steel tubes to be used in construction

Airblade™ technology

Air travelling at 690km/h exits laser-cut air slots measuring just 0.8mm in width.

Intelligent water and air infrared sensors

Sensors auto-calibrate so that air and water are only activated when a hand is underneath.



Removable end cap

Designed for ease of service.

Aerator

Disperses water across hands to reduce the volume of water used.



Dyson digital motor

Spins at 90,000rpm generating enough power to draw up to 30 litres of air per second through a HEPA filter.

Easy to service motor unit

Designed for quick disconnect.

Mains water inlet

Electronic, sensor-controlled water valve activates when a hand is detected. This starts the water flow.

Spring-mounted motor

Motor is mounted using springs to reduce sound and vibration.



HEPA filter

HEPA filter captures 99.9% of bacteria and viruses from the washroom air.

AB
06

AB06 has an aluminium casing for high-impact venues such as airports and nightclubs. It dries hands in 10 seconds.



Silver

AB
07

AB07 is made from a tough, ABS polycarbonate that is 50% less carbon intensive to manufacture than AB06. It dries hands in 10 seconds.



Grey



White

AB
08

Suitable for smaller washrooms or tighter spaces. It dries hands in 10 seconds.



Sprayed nickel

White

Powered by the latest Dyson digital motor

Fastest, 10 second dry time

Sheets of air travelling at over 690km/h scrape water from the front and back of hands, simultaneously.

The most hygienic hand dryer

Fastest dry time. A HEPA filter removes 99.9% of bacteria from the air used to dry hands.

Costs less to run

Dries 18 pairs of hands for the price of a single paper towel.¹

NSF approved

No other hand dryers meet every part of NSF Protocol 335.



HACCP approved

Hygienically safe for use in the food and beverage industry.



Small carbon footprint

Dyson Airblade™ hand dryers produce at least 67% less CO₂ than some other hand dryers and 62% less than paper towels.²

Touch-free operation

Infrared sensors operate air.

Antimicrobial coating

Eliminates up to 99.9% of surface bacteria.

Tough and durable

Robust, vandal-proof design.

Concentrated Airblade™ hand drying technology

Slim profile

Protrudes just 10 centimetres from the wall. No recessing required.

10 second dry time

Sheets of air travelling at over 690km/h scrape water from hands like a windscreen wiper.

The most hygienic hand dryer

A HEPA filter removes 99.9% of bacteria from the air used to dry hands.

Costs less to run

Dries 17 pairs of hands for the price of a single paper towel.¹

NSF approved

No other hand dryers meet every part of NSF Protocol 335.



Small carbon footprint

Dyson Airblade™ hand dryers produce at least 67% less CO₂ than some other hand dryers and 62% less than paper towels.²

60% smaller

The same drying performance as the original Dyson Airblade™ hand dryer but 60% smaller.

Dries each hand separately

V-configuration separates hands, drying them quickly and evenly.

Touch-free operation

Capacitive sensors activate air.

Antimicrobial coating

Eliminates up to 99.9% of surface bacteria.

Easy to service

Safe electrical disconnect.

Quick to clean

Small surface area. Smooth single piece fascia with CNC machined air slots.

¹ For calculations visit dysonairblade.ie/calcs

² Based on LCA results of Dyson Airblade™ hand dryer with method developed in conjunction with Carbon Trust, and comparable results from T. Mantalbo, J. Gregory, R. Kirchain, Life Cycle Assessment of Hand Drying Systems (A Dyson commissioned study 2011). Data taken from U.S. environmental statistics including electricity grid mix and recycling practices.

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dyson airblade tap

AB
09 Short

Suitable for minimalist washrooms, new or fully refurbished. It dries hands in 12 seconds.



AB
10 Long



AB
11 Wall



Visit dysonairblade.ie/tcad to download CAD drawings and see technical data

Airblade™ hand drying technology in a tap

Wash and dry hands at the sink

Water and air from the tap.

12 second dry time

Sheets of air travelling at over 690km/h scrape water from hands like a windscreen wiper.

The most hygienic hand dryer

A HEPA filter removes 99.9% of bacteria from the air used to dry hands.

Costs less to run

Dries 15 pairs of hands for the price of a single paper towel!

Small carbon footprint

Dyson Airblade™ hand dryers produce at least 67% less CO₂ than some other hand dryers and 62% less than paper towels.¹

No water on the floor

There's no need to leave the sink to dry hands, so water isn't dripped on to the floor.

Saves space

No separate hand drying area needed.

Touch-free operation

Intelligent infrared sensors activate water and air.

Saves water

Controlled water flow rate and sensor operation save water.

Easy to service

Quick to disconnect motor bucket and filter.

Quick to clean

Smooth stainless steel outer, wipes down directly over the sink – no separate hand dryers to clean.

¹ For calculations visit dysonairblade.ie/calcs

² Based on LCA results of Dyson Airblade™ hand dryer with method developed in conjunction with Carbon Trust, and comparable results from T. Montalbo, J. Gregory, R. Kirdain, Life Cycle Assessment of Hand Drying Systems (A Dyson commissioned study 2011). Data taken from U.S. environmental statistics including electricity grid mix and recycling practices.

“As engineers we have to see beyond existing technology and ask ‘is there a better way?’ That’s really what Dyson is all about – new thinking to solve everyday problems.”

James Dyson
Inventor

dyson airblade

The fastest, most hygienic hand dryers.

For more information or
to find out how to buy:

Call: +44 28 9065 6552

Visit: www.o3solutions.com

Buy: www.BuyDysonAirblade.co.uk

