
DysonAirblade™ hand dryers

Catalogue

Heritage

Uniquely engineered, hygienic hand drying technology

In 2006 Dyson launched the Airblade™ hand dryer, a sensor operated touch-free hand dryer. With HEPA filtration to purify the air used to dry hands. Powered by the Dyson Digital motor, making it the fastest, hygienic HEPA filtered hand dryer.

Then and now, always touch-free, always HEPA filtered, always fast. Tested and proven in washrooms worldwide since 2006.

Only a Dyson dries like a Dyson



Hand hygiene in the 21st Century. Cleanroom in Corvallis, Oregon 2016.

Product Summary

dyson airblade V

Engineered for hygienic performance.
Designed for compact spaces.



Sprayed nickel



White

HEPA filters capture 99.95% of particles, including bacteria and viruses¹

Slim format – just 100mm deep, no recessing required

Tested and certified by NSF International

Antibacterial and antiviral coating²

Touch-free operation

Certified by Quiet Mark

Easy to service. Safe electrical disconnect

12-second dry time

Costs as low as £31 to run per year³

Small carbon footprint⁴



Technology –HEPA filter

Unlike some others, Dyson Airblade™ hand dryers feature HEPA filters which capture 99.95% of particles, including bacteria and viruses. Captures microscopic particles – so they don't end up on your hands.



HEPA filter
HEPA filters fitted as standard.

Dirty air
The powerful Dyson digital motor V4 draws washroom air into the machine and passes it through the HEPA grade filter.

Purified air
Hands are dried with purified air, not dirty air.

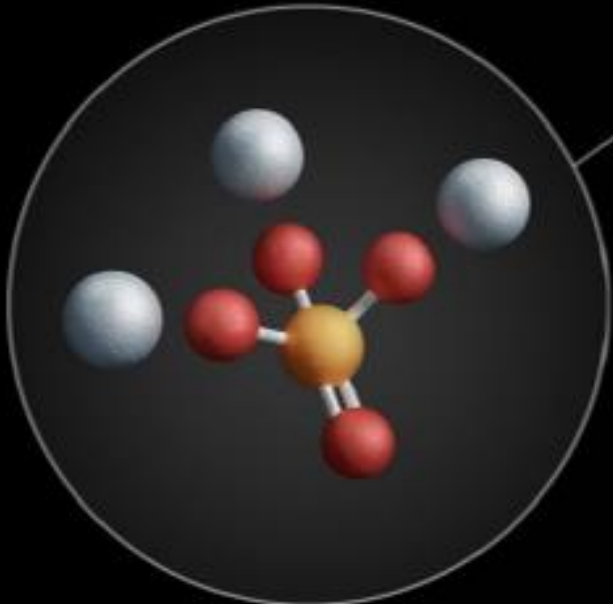
Touch-free technology

Dyson Airblade™ hand dryers utilise no-touch sensor technology. These sensors are programmed to detect and automatically dry hands. So it allows users to maintain a distance between their hands and machine.

Dries each hand separately
The configuration separates hands, drying them quickly and evenly.

Antibacterial and antiviral coating

Nickel fascia contains an antibacterial and antiviral additive which controls the proliferation of bacteria and virus¹ on its surface material.



Silver Ag⁺
Oxygen O
Phosphorus P



Product Summary

dyson airblade 9kj

The fastest most energy efficient
HEPA-filtered hand dryer¹



Low energy. 9.1kJ per dry in Eco mode.

Switch between two power modes
Max: 900W or Eco: 650W

No paper mess. No paper waste.

HEPA filters capture 99.95% of particles,
including bacteria and viruses²

Certified by Quiet Mark

Tough and robust

Slim format – just 100mm deep,
no recessing required

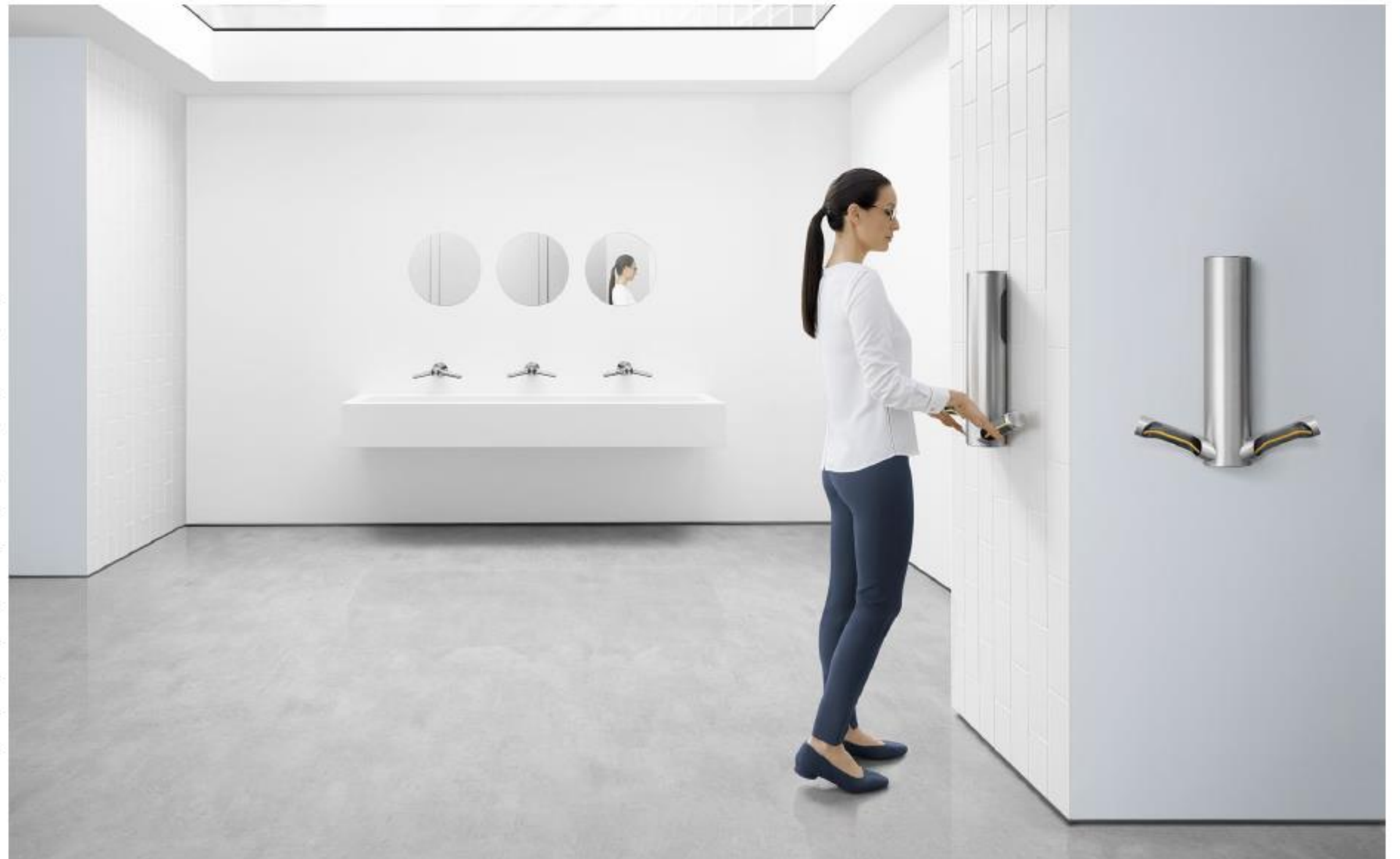
Touch-free operation

Easy to service. Safe electrical disconnect.

10-second dry time in Max mode

Costs as low as £19 a year³ to run in Eco mode

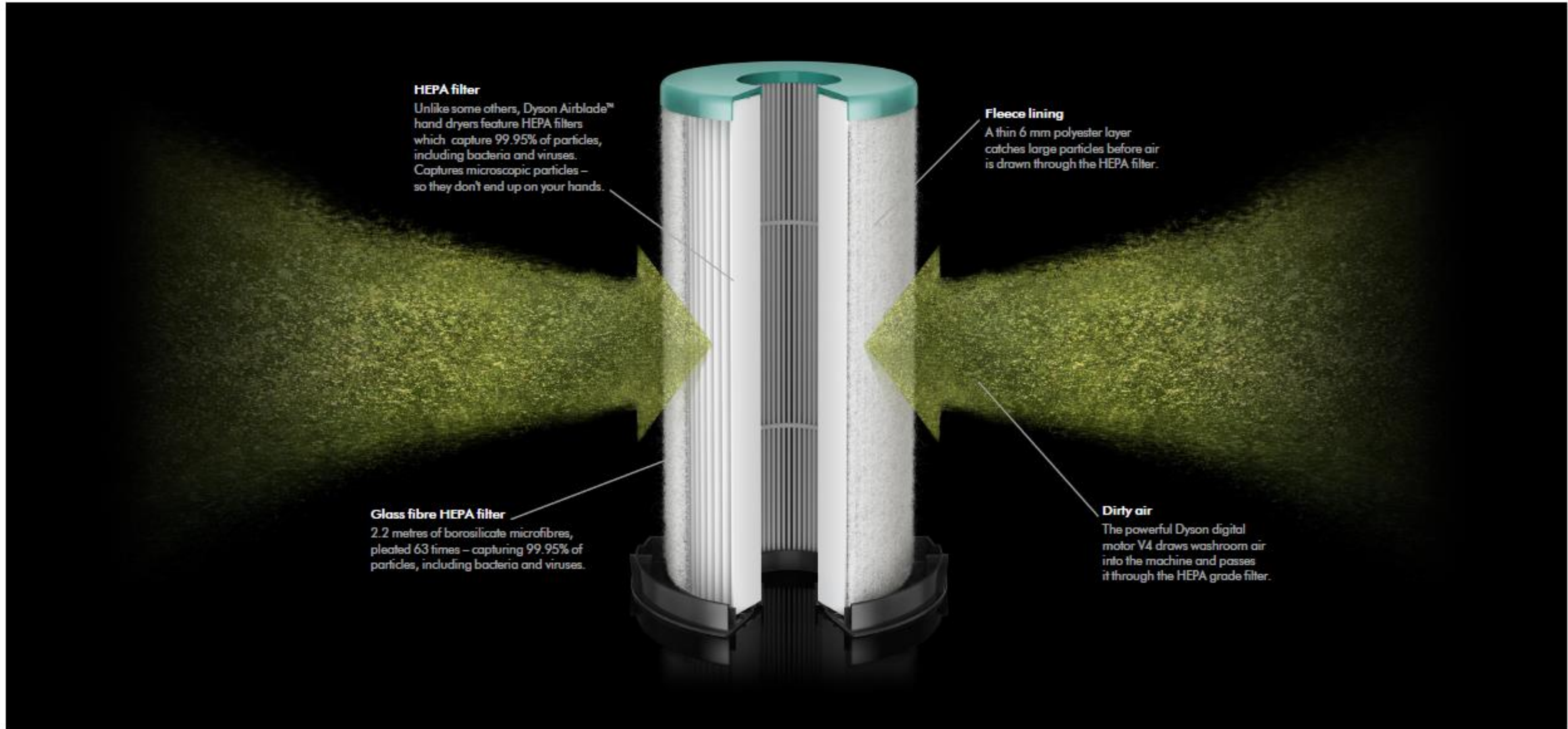
Small carbon footprint⁴



Dyson Technology Limited

1. Dry time and energy consumption calculated for Max mode. Dry time measured using Dyson test method T09 based on ISO 9035 in a measurement of 0.1 g residual moisture. 2. HEPA filter tested to EN1822-5, by an independent testing laboratory, under prescribed test conditions. 3. Average electricity price £0.11/kWh as of December 2018. The calculation is based on Dyson's data. 4. The environmental impact of electrical appliances and paper towels was measured by Carbon Trust. This calculation only provides a guide to the environmental impact of the product, based on product use over 5 years and using average energy and material consumption rates. Dry time for product use was based on ISO T09.

Technology –HEPA filter



Touch-free technology –Curved Blade™ design

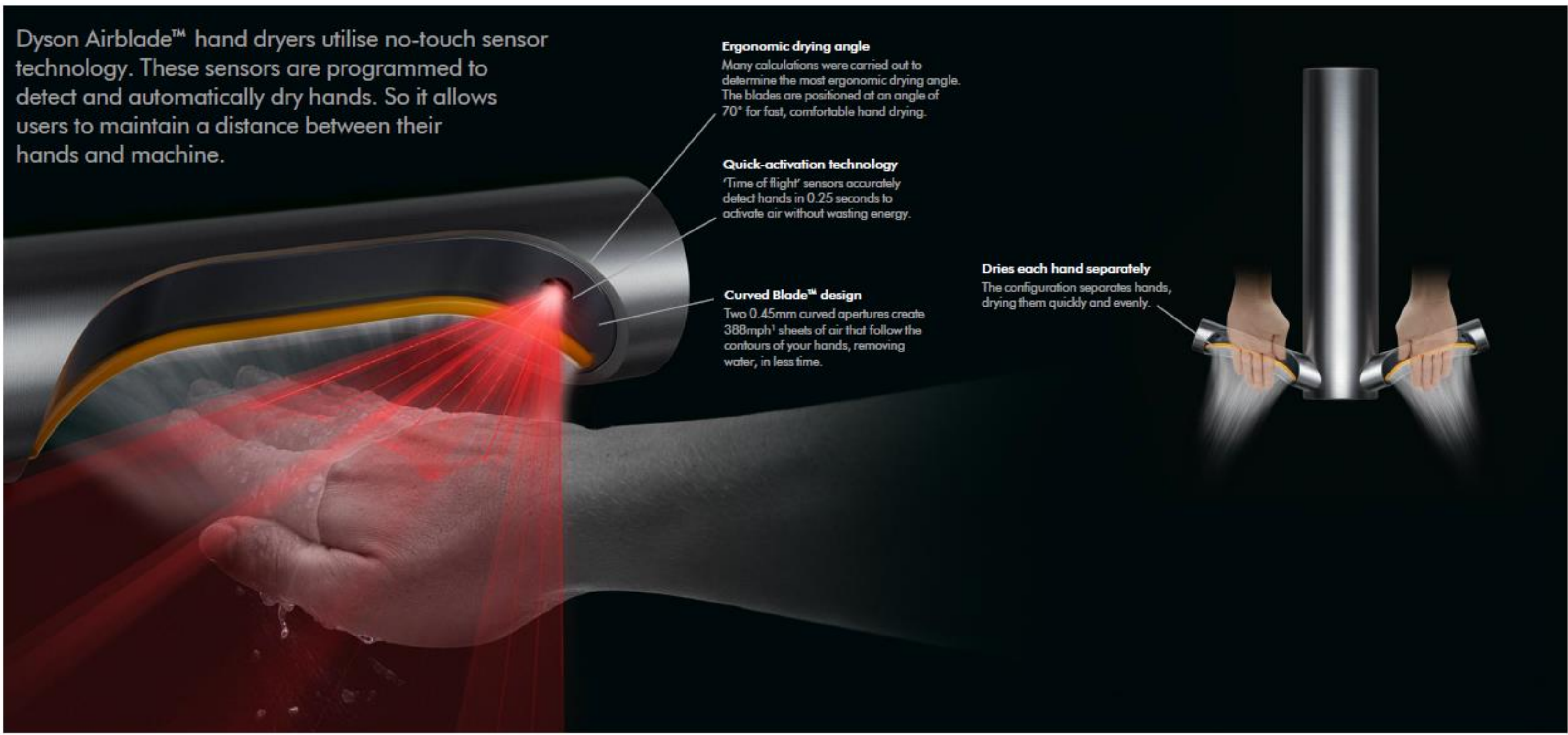
Dyson Airblade™ hand dryers utilise no-touch sensor technology. These sensors are programmed to detect and automatically dry hands. So it allows users to maintain a distance between their hands and machine.

Ergonomic drying angle
Many calculations were carried out to determine the most ergonomic drying angle. The blades are positioned at an angle of 70° for fast, comfortable hand drying.

Quick-activation technology
'Time of flight' sensors accurately detect hands in 0.25 seconds to activate air without wasting energy.

Curved Blade™ design
Two 0.45mm curved apertures create 388mph¹ sheets of air that follow the contours of your hands, removing water, in less time.

Dries each hand separately
The configuration separates hands, drying them quickly and evenly.



Dyson Technology Limited

¹Speeds determined for flowrate using Dyson test method 749 based on ISO 5208 in a measurement of 1.1g residual moisture.

Product Summary

dyson airblade wash+dry

Airblade™ hand drying technology in a tap.
Wash and dry hands at the sink.



Short

Tall

Wall

Saves space

Less water dripped on the floor

Saves water¹

HEPA filters capture 99.95% of particles, including bacteria and viruses²

Certified for use in food environments by HACCP International

Automatic water flush, activates after 24 hours – helps reduce water stagnation problems

Certified by Quiet Mark

Touch-free operation

14-second dry time

Costs as low as £34 to run per year³

Small carbon footprint⁴



1. Reduction in water consumption: A Union water tap as standard in the Dyson Airblade Tap hand dryer vs. 1. If Union water tap in the Dyson Airblade Wash + Dry hand dryer. 2. HEPA filter tested to EN 1822-2, by an independent testing laboratory, under pre-qualified conditions. 3. Average electricity price @ 0.17 kWh as of December 2015. For calculations visit www.dyson.co.uk. 4. The environmental impact of a product is calculated and published on the Carbon Trust. The calculations are based on the product's expected life, based on product use over 3 years and using agreed averages of material and component use. Dry time for product used as standard using 0.17 kWh.

Touch-free technology



Water management

Bacteria can grow in inactive water systems

In some commercial locations water taps can go unused for weeks. For example, schools during holidays, or offices during seasonal breaks. Water within the system can stagnate, leading to the growth of bacteria.

Autoflush

The Dyson Airblade Wash+Dry hand dryer is equipped with an automatic water flush, which activates for 60 seconds every 24 hours after the last use. This helps reduce water stagnation and the spread of bacteria within the product.

How it works

If water flow isn't activated for 24 hours, the water solenoid will open automatically. Water will be flushed through for 60 seconds, expelling standing water in the system. This built-in feature can contribute to a more hygienic water system in commercial environments.

Autoflush

Water solenoid will open automatically. Water will be flushed through for 60 seconds.

Aerator

Tap is fitted with an aerator that delivers a flow rate of just 1.9 l/min. For an increased flow, an additional 4 l/min aerator is included in the box.

Accreditations

The DysonAirblade
Certified hand dryer technology.

Certified by NSF International

Dyson asked independent public health specialists NSF to define the criteria for a hygienic hand dryer. The result is NSF Protocol P335.



TESTED. CERTIFIED. HYGIENIC.

Carbon Trust

Working with the Carbon Trust, Dyson has measured the carbon footprint of the Dyson Airblade 9kJ hand dryer. The calculation covers: materials, manufacture, transportation, use and end-of-life disposal.



WELLv2 standard

Dyson Airblade™ hand dryers meet hand washing certification requirements for WELLv2.



LEED standard

Dyson Airblade™ hand dryers offer O+M LEED credit.

LEED (Leadership in Energy and Environmental Design) is the most widely used green building rating system in the world. LEED provides a framework for healthy, highly efficient, and cost-saving green buildings. LEED certification is a globally recognized symbol of sustainability achievement and leadership. ¹



BREEAM standard

Dyson Airblade™ hand dryers meet BREEAM standards.

BREEAM is the world's leading sustainability assessment method for masterplanning projects, infrastructure and buildings. It recognises and reflects the value in higher performing assets across the built environment lifecycle, from new construction to in-use and refurbishment.



Certified by HACCP

Dyson Airblade™ Wash+Dry and Airblade™ 9kJ hand dryer are certified as food-safe hand washing and drying devices. Suitable for use in food process facilities.



Green Mark product

Dyson Airblade™ is awarded with SGBC Green Mark certification



Dyson Dry time method is hygienically certified

Other hand dryer manufacturers claim different dry times – the main dry time methods are:

Dyson Test Method (DTM) 769

Used by: Dyson.

Requirements: 3 men, 3 women,
1 paper towel (to dry hands and measure residual moisture).

Process: Use paper towel to measure moisture on hands after 5 second increments. Repeat five times – interpolate/extrapolate average time to reach 0.1g residual moisture.

Note: Method based on DTM 553,
and further developed by NSF.

National Sanitation Foundation (NSF) P335 'Hygienic Commercial Hand Dryers'

Used by: Dyson, Warner Howard.

Requirements: 3 men, 3 women,
1 paper towel (to dry hands and measure residual moisture).

Process: Use paper towel to measure moisture on hands after 15 seconds. Repeat four times – 0.1g residual moisture for all results is considered a 'pass,' as part of hygiene accreditation.

Note: Not to be confused with NSF 169 'Special Purpose Food Equipment and Devices' referenced by Mitsubishi.

Underwriters Laboratories (UL) Product Category Rules (PCR) for hand dryers

Used by: Excel Dryer, Hokwang.

Requirements: 3 men, 3 women,
2 paper towels (to dry hands and measure residual moisture).

Process: Use paper towel to measure moisture on hands after 2s increments. Repeat six times – eliminate highest and lowest results, then interpolate average time to reach 0.25g residual moisture.

Note: Higher residual moisture will result in lower dry times.



Thank you!

