



#30yrsOfWave



 u02
with Wave® Technology®





Built with
Mitsubishi Electric's
unique Wave®
Technology

Introducing the
Wave® u02 hands-under dryer.
**Mitsubishi Electric's most energy
efficient hand dryer, ever.**

Manufactured using renewable energy
generated by solar panels, we are leading
the way in sustainable hand drying.



490w – ultra
low energy*

Pioneering
space technology
development since
the 1960s.

Mitsubishi Electric has
a remarkable history of
innovation that has changed
the way we live.

Since its founding in 1921, Mitsubishi Electric has improved the lives of millions on the planet. Developing products driven by a philosophy of unrelenting improvement and technical ingenuity.

From in the home to outer space, our pioneering technological advancements are making waves. The Mitsubishi Electric brand carries with it a reputation of exceptional performance and reliability – delivering **Changes for the Better**.

State of the art self-cleaning coatings.

A project that began over 15 years
ago continues to generate world-leading
solutions for self-clean surfaces.

Pioneering robotic technology.

Mitsubishi Electric has
been at the forefront of
developments in industrial
automation including robotic
technology for 40 years.

A giant leap for space exploration.

Mitsubishi Electric has been
a pioneer of space technology
development in Japan since the
1960s, and is strongly committed
to international space development
and satellite construction.

Reaching new heights.

A major name in elevators
and escalators since the
1930s, Mitsubishi Electric has
built a reputation for creating
breakthroughs that make getting
around more comfortable, safe,
and even inspiring.

A breath of fresh air.

Mitsubishi Electric air conditioning
solutions are renowned for their
versatility, performance, reliability and
ability to deliver clean, filtered air.

Extra warm feeling.

Thousands of UK households
are already benefiting from
reliable, renewable heating from
Mitsubishi Electric's Ecodan air
source heat pumps.



Anti-Bac casing
Seamless wipe clean
Anti-Bac casing



Quiet
One of the quietest (59db)
high-speed hand dryers
on the market



Ultra low energy
Cleverly engineered
to run at just 490w**



Fast drying
High speed drying with
times from 8 seconds*

Beautifully engineered and packed with innovative features.

Delivering superior performance and efficiency, our hand dryers have a worldwide reputation for leading technology.

*High mode with heater on. **Eco mode with heater off.



EcoSmart Motor
Powerful, efficient and
reliable with a lifespan
of 7 years*



Exceptionally quiet
(59 db) due to optimised
air volume



Extra wide nozzle
spreads airflow across
a large area



Large drying area
132mm between air
nozzles and wall

Wave®u02

Hands
inTurn to
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for details

Wave®i01

Prioritising air volume over air velocity; introducing Wave® Technology

Testing has proven that airflow control is critical for fast, hygienic and safe hand drying. The volume of air passing over the hands is far more important than air velocity.

Excessive air velocity can lead to hand dryers becoming very noisy, whilst the narrow sheet of air reduces air coverage over the hands, which can also result in excess water and contaminated air from the hands being blown back over both the user and bystanders.

Mitsubishi Electric's **patented Wave® Technology** has been developed to optimise the volume of air passing over the hands whilst reducing air noise, which is critical in reducing drying time and for quiet operation.

It is important that only clean, filtered air is blown over the users' hands and any excess air or water is not blown back onto the user or nearby bystanders as this can cause contamination.

Unlike many other manufacturers, the **Wave®u02** air intake is located separately from the output nozzles to eliminate the risk of water intake. Additionally both our **Wave®** and **SafeAirFlow** air output nozzles are designed to blow air away from the user, whilst used air is drawn through the **Anti-Bac** filter, to trap and kill bacteria, resulting in only clean, filtered air passed over the hands.

Paper towels

Paper towel dispensers have long been in use, however they are costly, high maintenance and require continual waste management in order to prevent a build-up of bacteria.

Studies have shown that **bacteria can multiply up to 1000 times on damp towels** and surfaces if left unattended*. The use of paper towels poses a number of other issues, including the **risk of blockages** when not correctly disposed of as well as the reality that they can easily run out if stock levels are not maintained. This makes them not only a **more labour intensive** option but considerably **less hygienic** if users are unable to dry their hands.

The continued use of paper towels is also of great environmental concern. It is estimated that globally, paper towels result in **254 million tons of landfill every year** and that 17 trees are chopped down for every ton of paper towels made. In this way, the overall carbon emissions produced throughout the lifecycle of a paper towel has a **devastating impact on our environment**.

CO₂
20g CO₂
per use[#]

Costs £1,825
per year[#]


254 million tons
of landfill every year
globally


17 trees cut down
for every ton of paper
towels made


1000x more bacteria
on damp towels and
surfaces if left unattended*

*Residual moisture determines the level of touch-contact-associated bacterial transfer following hand washing, D R Patrick 1, G Findon, T E Miller.
#Based on 2 paper towels used per dry, 500 dries, 365 days a year.

Wave[®]u02

In contrast, the **Wave[®]u02** can reduce running costs by up to 97%, require minimum maintenance and produce zero waste.


The **Wave[®]u02** is the hand hygiene solution for the modern world. It's simple; switching to the **Wave[®]u02** is a move to further **protect the environment for future generations**.

The **Wave[®]u02** does not create any waste, eliminating the trouble of waste disposal and conserving forest resources at the same time. Switching to a **Wave[®]u02** sends a **positive message** to the user about a facility's attitude towards the environment.

Costs £50
per year[†]

CO₂
0.58g CO₂
per use[†]


Washing machine
27.3g CO₂ per use**


Electric kettle
4.75g CO₂ per use**


Tumble dryer
107g CO₂ per use**

[†]Based on 500 dries, 365 days a year. Electricity cost of 14p per kwh (correct as of Mar 2022) figures based on Wave unheated models.
^{**}Source: www.carbonfootprint.com

Total hygiene performance

By adopting a zero-tolerance approach to bacteria in the hand drying process, the Mitsubishi Electric Wave® range is much more than just a series of hand dryers; it is a complete Hygiene System.

The culmination of nearly 30 years of continual development

Everything about the **Wave®** range has been designed, developed and tested for **optimum performance at every level** in order to deliver the very best user experience possible.

Through a combination of **attention to detail** and continual innovation and development, we have created a product that is a trailblazer within the hand dryer industry.

Only **Wave®** hand dryers feature **Wave® Technology**, setting the gold standard in hand drying hygiene. The innovative **Wave® Technology** air flow directs water away from the user and bystanders.

NSF International, an independent third-party public safety health and standards organization, has certified Wave® hand dryers to be compliant to its rigorous requirements (NSF/ANSI 169).



A perfect balance of form and function

Looks matter, but it's what's on the inside that really counts. At Mitsubishi Electric, our priority is to create products that combine function, efficiency and reliability with a high quality aesthetic finish.



NoTouch
activation
sensors



Anti-Bac filters
capture and kill
pollutants



Anti-Bac casing
Seamless wipe clean
anti-bac casing



Alcohol cleaner
compatible casing
materials

Anti-Bac casing

The entire Mitsubishi Electric **Wave**® range has our **Anti-Bac** technology built into the ABS plastic casing*, which is proven to curb the growth of bacteria. The secret is in the manufacturing process, where **antibacterial silver ions are added to the resin** as an integral part of the casing. This is unlike other leading brands whose antibacterial protection is only a surface coating which can be easily scratched or damaged during routine cleaning, compromising the protection and allowing bacteria to grow.

Alcohol cleaner compatible

Unlike most hand dryers the **Wave**® range uses high-grade resin plastics that can be **safely cleaned with alcohol cleaners**** without resulting in cracking and damage.

NoTouch design

The **Wave**®u02 is activated automatically when hands pass through infrared sensors in the spacious drying area. As there is no need for the user to touch a start button, which may hold residual bacteria, there is a reduction in the amount of bacteria transferred to the hands. Remarkably the **Wave**®u02 takes <0.1 seconds to get up to full speed.

POWER



SafeAirFlow
no risk of water intake
into the unit



Superb air control
ensures excess water
is not blown back
onto user

Packed full of innovative features

Although there have been many imitators of our technology, none have equalled the all-round performance of the Mitsubishi Electric Wave®u02.



490w – **ultra low energy***



8 second drying time**

Mitsubishi Electric has long understood that focussing only on air speed to improve performance is not the most efficient solution. Instead, **Wave®u02** has evolved through extensive scientific research.

A combination of **smarter nozzle designs**, **improved air flow control** and our **advanced motor technologies** create the perfect balance between air speed and air volume to achieve **reduced power consumption** and running costs, whilst delivering **improved drying times**, energy-efficiency and **sound reduction**.

AirControl Technology

Testing has proven that **airflow control is critical** for fast, hygienic and safe hand drying. The volume of air passing over the hands is far more important than air velocity.

Excessive air velocity can lead to hand dryers becoming very noisy, whilst the narrow sheet of air reduces air coverage over the hands, which can also result in excess water and contaminated air from the hands being blown back over both the user and bystanders.

Mitsubishi Electric's patented **Wave® Nozzle Technology** has been **developed to optimise the volume of air** passing over the hands whilst reducing air noise, which is critical in reducing drying time and for quiet operation.

SafeAirFlow

It is important that only clean, filtered air is blown over the users' hands and any excess air or **water is not blown back onto the user** or nearby bystanders as this can cause contamination. The **Wave®u02** achieves this by employing extra wide air nozzles and a large drying area (13.2cm x 15.0cm) that directs air away from the user.

Quieter than a conversation

Mitsubishi Electric's high-precision Ultra motors have been developed to optimise performance, energy-efficiency, noise reduction and reliability.



Average conversation
(60dB)



Average hand dryer
(70-95dB)



Household refrigerator
(55dB)



Exceptionally
quiet (58dB)



The **Ultra** range of eco efficient motors are so robust that they have been **proven to be up to twice as reliable** as other leading brands' brushless motors, with an estimated life of over 7 years* and **zero maintenance**.



The **Wave[®]u02** is setting new standards in quiet-zone hand drying. Through a combination of aerodynamic air chambers, our **Ultra** range of motors, air volume control and patented **Wave[®] Nozzle Technology**, the **Wave[®]u02** suppresses sound to less than the average conversation, **just 58dB[#]**. This makes the **Wave[®]u02** range the quietest, most efficient high speed hand dryer available and **the obvious choice for quiet-zone installations** such as libraries, concert halls, offices and public spaces.



QUIET

Strong. Reliable. Safe.

Mitsubishi Electric delivers unequalled reliability. Every component and process are stress tested in our laboratories to not only meet but exceed ISO and Japanese industrial standards.



Average **9 year** lifespan



6 year guarantee

Built to withstand years of service and hundreds of uses day after day, our **Wave®** hand dryers have been proven to **exceed the lifespan of other leading brands' products by up to 100%**. This means that your **Wave®** dryer won't only deliver the quickest, quietest, most energy efficient hygiene standards; it will also be the most reliable.

Easy air filter maintenance

The air filter **prevents excess dust and dirt** from accumulating inside the unit. The filter is placed conveniently against the side of the intake grill, allowing for **quick cleaning without disassembly**.

Build strength

Providing personal hygiene in public places can place demands on facilities that go way beyond normal wear and tear. Robust front and back panels make the **Wave®u02** impact-resistant, so they continue to provide safe and efficient drying even in the most challenging installation environments.

The **protective steel outer shell** and ABS plastic body have been tested to withstand 15J, which is more than twice the energy of an average impact.* The IPX-3 rating for water resistance means that the **Wave®u02** is also protected against water infiltration.

Guarantees

Whereas many other leading brands offer either parts or labour for the first year, every **Wave®u02** hand dryer comes with a full **6-year parts and labour guarantee****. That's because we have **complete confidence** in the reliability and durability of our products.



Separate air intake
reduces risk of water intake



Fire resistant parts
internal parts made from flame-resistant materials



High quality motor
manufactured to strict specifications



Temperature and current fuses
multiple fuses protect from over-current and over-heating



Metal enclosure
circuit boards covered by protective metal enclosure



Tough exterior
made from steel and ABS plastic



Built with
Mitsubishi Electric's
unique Wave®
Technology

Also available from Mitsubishi Electric

Introducing the
Wave®i01 hands-in dryer.
**Obsessively engineered
with hygiene in mind.**

For further details request your copy
of the Wave®i01 brochure.



Wave®i01

hands-in dryer

The market leader of hands-in dryers for its ability to combine low energy, fast drying and ultra quiet performance.



JT-SB216JSH2-W
JT-SB216KSN2-W (Unheated)
White

JT-SB216JSH2-S
Silver

JT-SB216JSH2-B
Black

Mode	Heater	Drying time (sec)	Power consumption (W)	Noise (dB)	Model		Power supply	Motor type	Hygienic features	External dimensions (mm)	Weight (kg)	Water Pod (L)						
High	ON	9	1240	59	JT-SB216JSH2		220-240V 50-60Hz	Ultra Brushless DC	Antibacterial surfaces NSF certification Alcohol cleanable	Width: 300 Depth: 219 Height: 670	11	0.8						
	OFF	11	720		JT-SB216KSN2	JT-SB216JSH2												
Standard	ON	11	1070	56	JT-SB216JSH2													
	OFF	12	550		JT-SB216KSN2	JT-SB216JSH2												

To download user and install manuals visit: www.wave.mitsubishielectric.co.uk/wave-i01/

Recommended install height (fixing bracket):

Men: 925mm
Women: 905mm

Wave®u02

hands-under dryer

A compact and powerful hands under dryer with one of the lowest energy consumptions available*.



JT-S2A
White

JT-S2AP
Silver

JT-S2AP-B-NE
Black

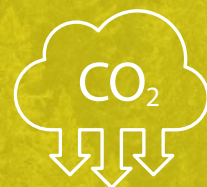
Mode	Heater	Drying time (sec)	Power consumption (W)	Noise (dB)	Model	Power supply	Motor type	Hygienic features	External dimensions (mm)	Weight (kg)						
High	ON	8	980	62	JT-S2AP (Metal cover)	240V 50Hz	Commutator motor	Antibacterial surfaces NSF certification Alcohol cleanable	Width: 250 Depth: 160 Height: 290	4.5						
	OFF	9	730													
Standard	ON	13	740	59												
	OFF	14	490													

To download user and install manuals visit: www.wave.mitsubishielectric.co.uk/wave-u02/

Recommended install height (fixing bracket):

Men: 1355mm
Women: 1255mm

*In Eco mode.



3.69 million tonnes of CO₂ reduction

Mitsubishi Electric global production figures for annual reduction of greenhouse gases (CO₂ conversion) emissions achieved over 3 years during The 9th Environmental Plan 2019-2021.

Mitsubishi Electric: creating a society in tune with nature

We're taking definitive action today to create a greener world tomorrow. By applying our wide-ranging and advanced technologies and the ongoing efforts of our employees around the world, we're working toward the creation of a decarbonized society.

We place our responsibilities as a good corporate citizen at the core of our corporate management. As we contribute to the creation of a prosperous, comfortable, and sustainable society, we're focusing on ethics and compliance, quality, environmental protection, philanthropy, and improved communication.

Corporations are expected to make long term sustained efforts to solve global environmental issues. The Mitsubishi Electric group Environmental Vision 2050 defines environmental protection as a priority and stipulates increased initiatives towards this end. It establishes Mitsubishi Electric's future course to 2050 in achieving Net Zero emissions supported by Science Based targets.



“Since 2016 we have sold over five and a half thousand Mitsubishi Electric hand dryers with only one reported fault, which was resolved within 24 hours. Not only that, I continue to be impressed with the exceptionally long life span that give our customers incredible value. In my opinion, you won't find a better hand dryer, they simply don't exist.”

Distributor testimonial

The Wave®u02 hands-in dryer.
Contact us today to find out how we can help your facility save money and become more energy efficient.

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www.wave.mitsubishielectric.co.uk



The **Wave**[®] hand dryer range.
Hygienic. Sustainable. Economic.
Fast. Quiet. Responsive.
Our most technologically advanced,
efficient and hygienic solution for
hand drying to date.

Setting the gold standard in hand
dryer technology since 1993.



"Wave" is a trademark of the Mitsubishi Electric Corporation.
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MITSUBISHI ELECTRIC EUROPE

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