



**mitsubishi
ELECTRIC**

HAND DRYER

Changes for the Better

Mitsubishi
Electric
Quality

Jet Towel®

Hand-drying for the 21st century



ADA Compliant

<http://Global.MitsubishiElectric.com/bu/handdryer/>

Jet Towel
a Mitsubishi Electric original

Hand-drying for the 21st century



Jet Towel[®]

Technology for Comfort

World's first in hand-drying technology from Mitsubishi Electric

Dual Jet Drying

Drying speed is proportional to airflow and volume. For even faster drying, our proven Dual Jet engineering is now complemented with a streamlined nozzle design.

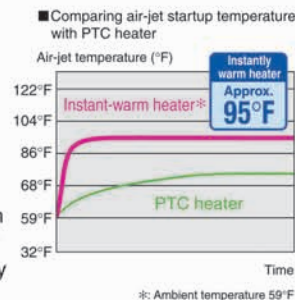
* Drying time according to Mitsubishi Electric's measurements.



Warm air—instantly (approx. 95°F)

Heat Storage for Instant Warm Air

The heater stores heat when the unit is not in use, blowing out warmth when operated. Inserting the hands instantly triggers a warm air-jet of approximately 95°F.



Stable operation for long service life

Brushless DC Motor

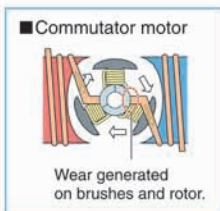
Equipped with a brushless DC motor Jet Towel is designed for seven years of service at 400 uses daily. No more problems with wear and tear on motor brushes paves the way for truly efficient power and stable operation for the long term.



Superbly reliable startup and stop

Top and Bottom Sensors

A sensor located at the bottom of the unit detects fully inserted hands and initiates the airflow. A sensor located at the top of the unit can sense when hands are withdrawn, automatically stopping the airflow. Hands don't touch any part of the unit, making Jet Towel's touch-free design superbly hygienic.



Start detection sensor is installed at the bottom of the dryer.

Ergonomic Design

Easy hand access from the side

Open-side Design

The dryer is open on both sides, enabling easy hand access without touching the unit. With the hands in, slowly moving them up and down 2 to 3 times maximizes drying performance and prevents water drops from blowing back up.



Simple to use

Easy Position

The front insertion angle is a convenient 15°, allowing hands to be eased into the unit smoothly.

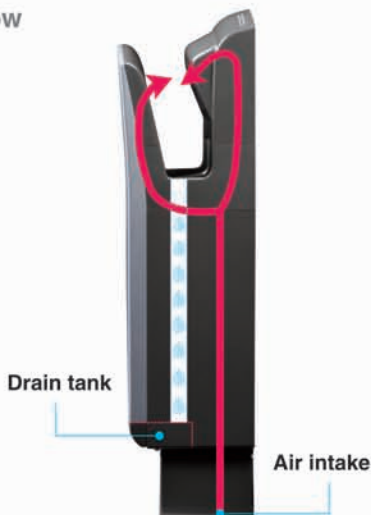


Stays Sparkling Clean

Advanced design ensures that the airflow is always fresh and dry

Independent Air Ducts

The air ducts are isolated from the water flow. Inserting the hands triggers a stream of fresh air from the air ducts, drying with maximum speed and comfort.



High performance and ease of use in a package.
Built genuine comfort and ease.



LISTED

Model JT-SB116EH-G-UL **120V/60Hz**

10~12 sec
Quick Drying
Airflow rate
185MPH

Designed
for Alcohol
Cleaning

(see page 2 for details)

Airflow
Drain tank
Air intake
Independent air ducts

(see page 2 for details)

Quiet
Operation
64dB

Instantly
Warm
Heater

Brushless
DC
Motor

ADA
Compliant

*1: Airflow rate is measured at the nozzle outlet. *2: "Alcohol" refers to disinfectant-use ethanol alcohol (83% strength or less).

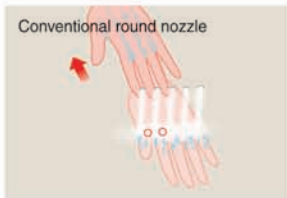
**New nozzle design combines rapid drying with low sound.
This means a high-speed hand drying time of 10 to 12 seconds.**

Features

Rapid Drying

Fitted with a newly developed hyper-nozzle

New arc-shaped hyper-nozzles ensure an even airflow over both sides of the hands for fast, efficient, and effective drying. The fine-film air-jet blows water drops off the hands in an instant.



Because the air-jet hits specific points, some water drops cling to the hands (○ section).



Hyper-nozzel air-jets cover a wider span, bridging gaps for complete and even drying performance.

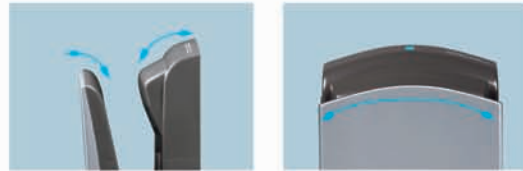
Long Life

- Hand-drying area is made of alcohol-resistant resin, enabling cleaning using standard alcohol-based products.
- Highly durable brushless DC motor (see page 2 for details).

Ergonomic Design

New design combines spatial compatibility and easy maintenance

An elegant fusion of sharp lines well-matched to sanitary space, and an easy-to-use rounded shape. The arch-shaped form is designed with rounded edges, reducing contact when inserting or withdrawing the hands.



Quiet Operation

Designed for low-sound operation

The new hyper-nozzle, installed with advanced jet-stream control technology developed by Mitsubishi Electric, resolves the problem of interference sound between air currents. Operation sound is reduced considerably to only 64 dB.

Multi Operation

Equipped with power control and heater switch

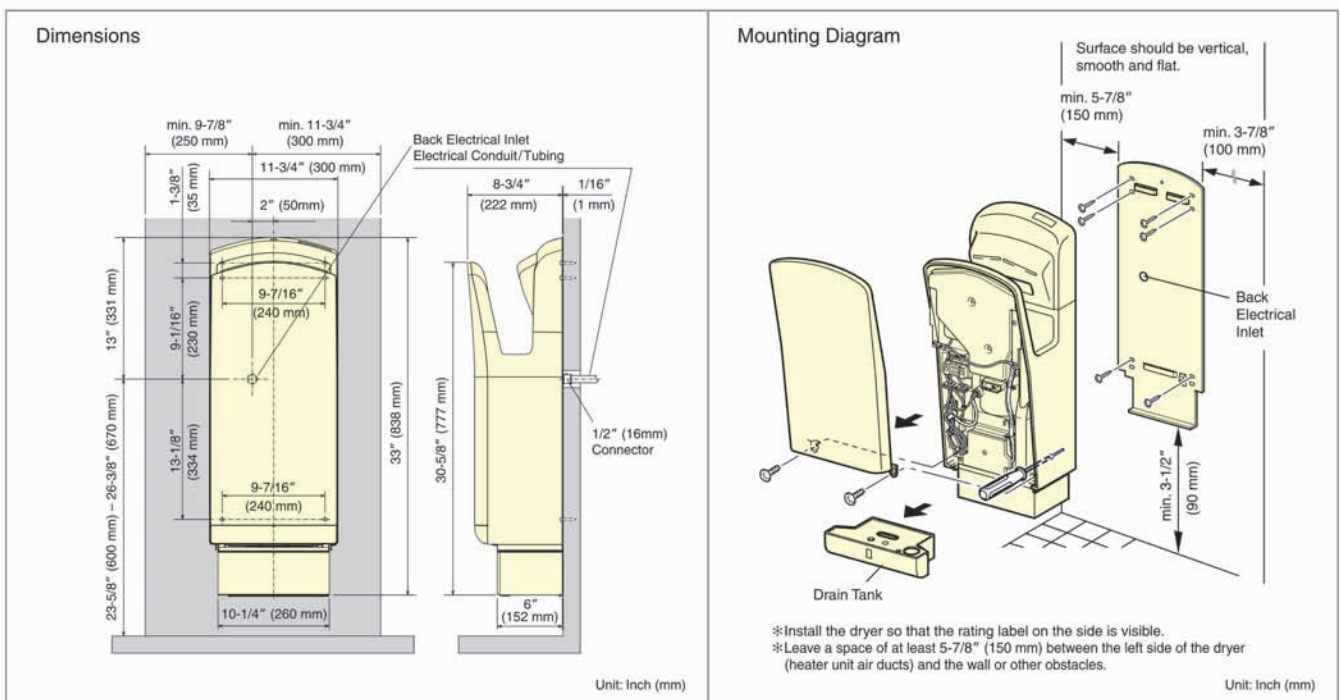
Customers can select the optimum operation mode, tailored to specific installations.

Mode	Air Speed	Sound
High	Approx. 185 mph	Approx. 64 dB
Low	Approx. 165 mph	Approx. 61 dB

Specifications









Drying method	Model name	Drying time (High)	External dimensions (inch)	Power supply	Rated current (A)	Power consumption (W)		Motor type	Safety components	Drain tank (pt)	Weight (lb)
						Heater ON	Heater OFF				
Dual Jet Airflow	JT-SB116EH-G-UL	10 to 12 sec.	Width: 11-3/4 Depth: 8-3/4 Height: 33	120V 60Hz	9.8	1060	850	Brushless DC motor	• Fuse • Thermal cut-off	1.7	37

*Drying times and sound were obtained using Mitsubishi Electric's own measurement method. *Airflow rate is measured at the nozzle outlet.



*Read the installation manual thoroughly before beginning installation to ensure the unit is installed safely and correctly.

Mitsubishi Electric—Inventor of 21st century hand drying.

Jet Towel Timeline				
1991 R&D project started to develop a new type of hand dryer that can dry hands in three seconds.	1992  The first prototype high-speed hand dryer completed.	1993  The first high-speed hand dryer, the JT-16A, goes on sale under the name "Jet Towel."	1993  JT-16B launched with Improved energy efficiency of 700W, from 1600W down to 900W.	1995  JT-16C launched.
1997  JT-16C3 launched.	1999  JT-116C4/C4K and JT-216CS4/CS4K launched.	2000 Jet Towel launched in overseas markets, starting with Taiwan.	2001  JT-SB116D launched.	2005  JT-SB216ESH and JT-SB216GSN launched.

Jet Towel's many benefits make it suitable for a wide range of environments.

Office Building (Genesys Environmental) UK



Low-carbon company chose the product with the lowest electricity consumption to install into their own offices.

"We reviewed three versions of hand dryers and chose the Mitsubishi Jet Towel because of its low sound level and low power consumption. Being a low-carbon company, we needed to follow our energy-saving principles. We have put up signs above the Jet Towel that tells users how much energy they are saving by using the product. Previously we used paper towels that often ran out, so there was either nothing to dry hands on, or so many of them were used that the waste baskets were overflowing. This became unpleasant in the restroom. The Jet Towel has made the restroom a much nicer environment."

Factors behind the decision to use the Jet Towel:

- Paper towels were seen as unhygienic.
- Paper towels often ran out.
- Rubbish bins overflowed.

Installation History	In use/ Renovated building
Previous drying system	Paper towels
Jet Towel installation sites	Restrooms throughout the facility

Office Building (Siemens Hearing Instruments) UK



Mess is gone. Time is saved in unnecessary clean-up and monitoring.


"The restrooms are often the first point of call for our visitors. As such we wanted to provide a modern cost effective approach to hand drying for both staff and visitors. We selected the unheated Jet Towel for our main restrooms replacing messy paper towels with the obvious benefits to the appearance of our restrooms and to the environment in general."

Factors behind the decision to use the Jet Towel:

- Paper towels are acceptable, but very messy.
- First image the customer has of the company.
- Energy a concern, but not the first reason for buying Jet Towel.

Installation History	In use/ Renovated building
Previous drying system	Paper towels
Jet Towel installation sites	Restrooms throughout the facility

Office Building/Museum (California Academy of Sciences) U.S.A.



Provide the public with an environmentally friendly learning center in all facets of operation.

"We found that the Jet Towel is quieter, sleeker in its design and its drying time is quicker than its competitor, not to mention the fact that the Jet Towel offers users a heated stream of air rather than a cold blast. We were actually amazed at how well and how quickly it worked."

Factors behind the decision to use the Jet Towel:

- The Academy's ongoing commitment to sustainability.
- Quest for LEED certification (LEED Platinum building).
- Reduce paper towel waste.

Installation History	New building
Previous drying system	—
Jet Towel installation sites	Public restrooms throughout the facility

Commercial Building (Nordstrom) U.S.A.



Restroom now provide a positive message to our clientele. Customer feedback is extremely positive.

"Our customers have clearly shown a preference for environmentally responsible options in the restrooms. Our new restrooms are low-water use, low-energy use, and now paper towel free. Before we used the Jet Towel, we avoided hand dryers because of the sound, slipping hazard, and most importantly the frustration caused by the older style of hand dryers. The Jet Towel is now a featured fixture in our restrooms."

●Factors behind the decision to use the Jet Towel:

- Nordstrom needed a very quiet hand dryer to maintain pleasant atmosphere in the restrooms.
- Low energy consumption was a major factor in deciding to use the Jet Towel.



Installation History	Upgrading restrooms to become more eco-friendly
Previous drying system	Paper towels
Jet Towel installation sites	Customer restrooms throughout facility

Restaurant (Mandarin) CANADA



Eye appeal is amazing, and our customers enjoy using this state-of-the-art hand drying.

"All of our restrooms are equipped with hand dryers and paper towels. We decided to try this hand dryer in our new restaurants. Overall, the customer feedback has been very good—they have been impressed with this modern approach and we have also reduced the use of paper towels."

●Factors behind the decision to use the Jet Towel:

- It is so fast, and warm air blows immediately, there was a holding tray to collect excess water as well. So clever! No mess.



Installation History	New building / Renovated building
Previous drying system	Paper towels / Conventional hand dryer
Jet Towel installation sites	Customer restrooms throughout facility

Hotel (Marina Mandarin) SINGAPORE



We have greatly reduced our maintenance cost with Jet Towel as there's no need for us to replenish paper towels and remove the waste.

"The installation of the Jet Towels in our restrooms helps reduce cleaning and operation costs significantly. It also reduces paper waste and offers rapid drying for our guests. There is less cumbersome work for our maintenance people to replenish paper towels or clear waste. The design of the Jet Towel also blends into the interior design of our restrooms and improves our restroom ambience."

●Factors behind the decision to use the Jet Towel:

- Created a more sanitary environment.
- Reflects environmental considerations by reducing paper waste.
- Quicker drying through the Dual Jet airflow.



Installation History	In use/ Renovated building
Previous drying system	Paper towels
Jet Towel installation sites	Restrooms throughout the facility

Office Building / Commercial Facility (Mitsubishi Estate Co., Ltd.)



The Jet Towel blends in with a wide range of interior design schemes and is perceived as a key restroom amenity.

"New slim-type units were installed in all restrooms in order to blend with the existing interior design. Unlike with paper towels, there's no need to replenish supplies or remove waste, which greatly reduces custodial work. The electric-powered high-speed hand dryers also help to protect the environment by eliminating the use of paper."

●Factors behind the decision to use the Jet Towel:

- Design blends into any space.
- Reduced operating and cleaning costs.
- Environmentally friendly waste-free system.



Installation History	New building
Previous drying system	—
Jet Towel installation sites	Restrooms throughout the facility

The Jet Towel is also providing excellent service in business offices, convention centers, amusement parks, shopping centers, general industrial factories, food plants, precision machinery plants, airports, and other large public venues.

Mitsubishi Electric Hand Dryer



Safety Precautions

For Installers

- Read the installation manual thoroughly before beginning installation to ensure the unit is installed safely and correctly.
- Failure to accurately follow the instructions may result in a malfunction of the unit, property damage, serious personal injury and/or death.
- MITSUBISHI ELECTRIC CORPORATION will not be liable for any result caused by failure to comply with the instructions.
- If you find any ambiguity in the instructions or have any questions, stop installation and contact your dealer or contractor.
- All electrical installation should be performed by a qualified electrician.
- All electrical wiring should be installed in accordance with national, applicable state and local electrical codes.
- This hand dryer must have its own independent branch circuit using AWG #12 or #14 copper wire.
- The circuit should be equipped with a Ground Fault Interrupter and a 120 Vac, 20 amp circuit breaker for AWG #12 wire, or a 120 Vac, 15 amp circuit breaker for AWG #14 wire.
- Before beginning the installation, ensure the breaker is OFF to avoid the risk of electric shock.
- Check that the electrical supply corresponds to that shown on the rating plate.
- This hand dryer should be properly grounded.
- Wear protective clothing and safety glasses during installation.
- Do not modify or disassemble the hand dryer more than necessary.

For User

- Do not install the unit yourself.
- Do not use at locations where salt damage may occur or where corrosive, neutral or reductive gases are present.
- Do not use in shower room or other locations with a great deal of humidity in the air or where condensation may form on the unit.
- Do not allow water to get on unit.
- Do not modify or disassemble the hand dryer.
- When changing the installation place, consult your dealer or contractor.
- This appliance is not intended for use by young children or infirm persons unless they are adequately supervised by a responsible person to ensure that they can use the appliance safely.
- Young children should be supervised to ensure that they do not play with the appliance.
- Care must be taken not to touch the heater exterior with hand or foot.
- Do not let children hang from the unit.
- Do not use for purposes other than drying hands.
- Always use the unit with the drain tank and air filter attached.
- Wear gloves when cleaning the unit.
- If the unit stops working or begins acting strangely, switch power off at the service panel then contact your dealer or contractor.
- Wait till the heater exterior cools down before starting maintenance.
- Make sure to install the air filter on the heater and close the panel before starting to use.

Installation Precautions

Do not install this hand dryer in the following locations:

1. At elevations above 6,560 ft. (2,000 m).
2. Where the ambient temperature will fall outside the range of 50°F (10°C) to 104°F (40°C), or 50°F (10°C) to 86°F (30°C) if the elevation is over 3,280 ft. (1,000 m).
3. Where the relative humidity will exceed 5-95%, or where condensation will form due to rapid temperature changes.
4. Where dust, salt, or metal particle densities are high.
5. Where corrosive, neutral or reductive gases are present.
6. Outside or in an area exposed to direct sunlight (or other strong light) or in direct moisture.

7. Near a bath, shower or a swimming pool.
 8. An area subjected to vibration or pounding, e.g., on trains/vessels.
 9. Next to food, tableware or cooking appliances.
 10. In narrow hallways and behind swinging doors.
 11. Where vandalism is likely to occur.
- Surface should be vertical, smooth, flat and strong enough to support the weight of this hand dryer.
 - Verify that pipe work is not located behind the drilling area.
 - Install the electrical conduit/tubing with a connector, trade size 1/2" (16 mm) at the correct height in accordance with applicable standards and guidelines.
 - The back electrical inlet should be at least 23 5/8" (600 mm) away from floor, 11 3/4" (300 mm) away to the right and 9 7/8" (250 mm) away to the left from basins, corners etc.

Note

- Drying time (listed in the catalog) will vary by individual user.
- Continuous operation in high-temperature environments (104°F) may cause overheating and indication of an error. This does not mean that the unit has malfunctioned; the error indicate automatically shuts off when the temperature decreases.
- The heater turns off automatically when the room temperature around the unit reaches 95°F (35°C) or above.
- Stand-by power consumption 0.1 kWh (Room temperature 59°F (15°C)).
- The unit stops automatically when it has operated continuously for about 30 seconds.
- Contact your dealer or contractor if settings need to be changed.

Caution

- Do not use the product to dry any chemicals or similar substances from the hands; failure to observe this precaution may shorten product life.
- Because the product is an electrical appliance, it should not be cleaned directly with pressurized water or by similar means.
- To clean the exterior of the main unit, remove any dust or grime using a damp cloth. If using a cleaning agent, use only a neutral detergent diluted with water.
- Water collected in the tank and drain receptacle at the bottom of the main unit must be emptied regularly to avoid overflow.
- Flush the drain mouth with approximately 7 oz. of water at least once a week.
- Clean the air filter approximately once a week.
- Jet Towel service life is about 7 years at approximately 400 uses per day. Depending upon conditions, the lifespan may be reduced. Please contact Mitsubishi Electric if daily use broadly exceeds the

- designed level. In cases when the number of uses doubles the average frequency, for example, the unit's lifespan will be reduced to one-half.
- Water drawn into the main unit may be absorbed by the soundproofing material, resulting in bacterial build-up. Ensure that water does not get into the air filter and air intake.
 - If not using the unit for a long period of time, switch power off at the service panel.
 - The hand dryer is designed and built for long service life when maintained according to the instructions. However, regular inspection by qualified service personnel is recommended to keep the hand dryer working properly.
 - Do not use thinner, benzene, acidic, alkaline, natural/organic detergent, such as a citrus cleaner, or scrub brushes.
 - A disinfectant containing 83% of ethanol or less can be used to clean the hand drying area only.
 - Do not put hands in within 2 seconds of switching. (Hand sensor needs 2 seconds for initialization.)

● Certain ratings and specifications may change due to product improvements or modifications.

● While every effort has been made to represent product colors accurately, slight deviations from actual color may be occur due to the printing process.



Mitsubishi Electric Corporation's Nakatsugawa Works is an ISO certified plant, having obtained both ISO 9001 Quality Management System and ISO 14001 Environmental Management System certifications.



ADA Compliant

Mitsubishi Electric Hand Dryer website

<http://Global.MitsubishiElectric.com/bu/handdryer/>

[MITSUBISHI ELECTRIC Regional Branch]

[Dealer]



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For North America

