Panasonic

Operating Instructions
(Household use) Hair Dryer
Model No. EH-XD20

English	3
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Operating Instructions (Household use) Hair Dryer Model No. EH-XD20

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Thank you for purchasing this Panasonic product.

Before operating this unit, please read these instructions completely and save them for future use.

nanoe™ is a trademark of Panasonic Corporation. A nanoe[™] is a nano-sized ion particle coated with water particles.

Safety precautions

To reduce the risk of injury, loss of life, electric shock, fire, and damage to property, always observe the following safety precautions.

Explanation of symbols

The following symbols are used to classify and describe the level of hazard, injury, and property damage caused when the denotation is disregarded and improper use is performed.



⚠ WARNING

Denotes a potential hazard that could result in serious injury or death.



Denotes a hazard that could result in minor injury or property damage.

The following symbols are used to classify and describe the type of instructions to be observed.



This symbol is used to alert users to a specific operating procedure that must not be performed.



This symbol is used to alert users to a specific operating procedure that must be followed in order to operate the unit safely.

The illustrations in this manual may differ from the actual item.

WARNING

▶ Plug and cord

Do not use the appliance when the cord is tied.



- Doing so may cause electric shock or fire.



Do not damage or modify, or forcefully bend, pull or twist the power plug or cord.



Also, do not place anything heavy on or pinch the power plug or cord.

- Doing so may cause burn, electric shock, or fire due to a short circuit.



If the cord or the plug is damaged or gets hot, do not use it.

- Doing so may cause burn, electric shock, or fire due to a short circuit.



Never use the appliance if the plug fits loosely in a household outlet.

- Doing so may cause burn, electric shock, or fire due to a short circuit.



Do not connect or disconnect the plug to a household outlet with a wet hand.

- Doing so may cause electric shock or injury.

NARNING

Do not wrap the cord around the main body and handle when storing.



- Doing so may cause breakage to the wire of the cord, burn, electric shock, or fire due to a short circuit.



Do not store or use the cord in a twisted state.



- Doing so may cause the wire in the cord to break with the load, leading to electric shock or fire due to a short circuit.

Disconnect the plug by holding onto it instead of pulling on the cord.

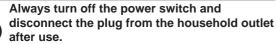


- Doing so may cause breakage to the wire of the cord, burn, electric shock, or fire due to a short circuit.

Regularly clean the plug to prevent dust from accumulating.

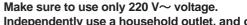


- Failure to do so may cause fire due to insulation failure caused by humidity. Disconnect the plug and wipe with a dry cloth.



- Failure to do so may cause burn or fire.

Fully insert the plug.





Independently use a household outlet, and do not use extension cord.

- Failure to do so may cause electric shock or fire.



If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

- Failure to do so may cause an accident or injury.

► In case of an abnormality or malfunction Immediately stop using and remove the plug if there is any abnormality or malfunction.

- Failure to do so may cause fire, electric shock, or injury.



<Abnormality or malfunction cases>

- Air is not emitted.
- The appliance stops sporadically.
- · The interior gets red, and smoke comes out.
- Immediately contact a service center authorized by Panasonic.

► Maintenance

When you see sparks around the air outlet while using the hot air setting, stop using and remove the lint on the air outlet and air inlet.



- Failure to do so may cause burn or fire.



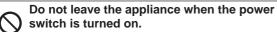
WARNING

▶This appliance

Do not block or insert hair clips or other foreign objects into the air inlet, air outlet, nanoe™ outlet.



 Doing so may cause burn, electric shock or fire.



- Doing so may cause fire.

Do not use the appliance near gas or other inflammable materials (such as alcohol, benzine, thinner, spray, hair care product, nail polish remover, etc.).

- Doing so may cause an explosion or fire.

Do not modify, disassemble or repair the hair dryer by yourself.

 Doing so may cause fire or injury due to abnormal action.

Contact a service center authorized by Panasonic for repair when necessary.

Do not store within the reach of children or infants. Do not allow children or infants to use it.

Doing so may cause burn, electric shock or injury.

Do not place or store the appliance at places adjacent to the sink, water, or other highly humid places where water may spill.



Doing so may cause an explosion or fire.

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Do not use the appliance with a wet hand.

 Doing so may cause electric shock or fire due to a short circuit.



This appliance is not designed for commercial use, and is not intended for use without appropriate maintenance.

- Doing so may cause burn or fire due to a continuous load or overload.

Do not immerse the appliance in water. Do not use the appliance near water. Do not use the appliance near bathtubs, showers, basins or other vessels containing water.



- Doing so may cause electric shock or fire.



This symbol with prohibition sign in red on the appliance means "Do not use this appliance near water."

NARNING

For additional protection, the installation of a residual current device (RCD) having a rated residual operating current not exceeding 30 mA RCD is advisable in the electrical circuit supplying the bathroom. Ask your installer for advice.

- Failure to do so may cause an accident or injury.

When the appliance is used in a bathroom, unplug it after use since the proximity of water presents a hazard even when the appliance is switched off.

- Failure to do so may cause an accident or injury.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do

- Failure to do so may cause an accident or injury.

not play with the appliance.

! CAUTION

► To protect your hair

Do not use the appliance when the air inlet is damaged.



- Doing so may damage your hair due to drawn into the air inlet

Keep a distance of over 3 cm between the air outlet and your hair.



- Failure to do so may cause burn to your hair.



Keep a distance of over 10 cm between the air inlet and your hair.



- Failure to do so may cause your hair to be drawn into the air inlet and therefore cause damage.





! CAUTION

▶ Precautions



Do not drop or subject to shock.

- Doing so may cause electric shock or ignition.



Intended for drying your hair and making hairstyles only. Do not use on pets, or to dry clothing, shoes, etc.

- Failure to do so may cause burn or fire.



Do not use on infants.

- Doing so may cause burn.



During use, the air outlet and the nozzle may get hot. Do not touch them with your hand.

- Doing so may cause burn.



If you feel pain or abnormality on your skin or body, immediately stop using this appliance.

- Failure to do so may cause skin or body injury.

When unfolding or folding the handle, do not touch the shaded area as shown in figures below.



- Failure to do so may pinch your finger and cause finger injury.



Do not look into the air outlet during operation.



- The blown air may carry dust or other foreign objects, which may cause injury.



When switching to the other nozzles, be aware of the nozzle temperature. This is because the nozzle will be hot when "Hot air" is selected.

- Failure to do so may cause burn.



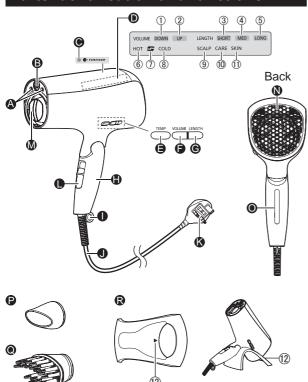
Close your eyes when blowing air on your face in the skin care mode.

- Failure to do so may cause eye injury.

Notes

This hair dryer is equipped with an automatic overheating protective device. If the hair dryer overheats, it will switch to cool air mode. Immediately switch off the appliance and unplug it from the household outlet, and then clean any foreign objects from the air inlet and outlet. Allow the appliance to cool down for a few minutes before using it again. Check that no fluff, hair etc. is in the air inlet and outlet before switching it on again.

Parts identification and functions



- Mineral ion outlet
- **B** nanoe™ outlet
- **⊚** nanoe™ lamp
- Lamp indication area

VOLUME:

- ① DOWN
- ② UP

LENGTH:

- ③ SHORT
- 4 MED
- **5** LONG

TEMP:

- HOT lamp on: hot air mode HOT lamp blinks: intelligent temperature control mode
- ① Hot/cold alternating mode
- ® COLD mode
- 9 SCALP mode
- 10 CARE mode
- 1 SKIN mode
- **⊜** TEMP switching button
- VOLUME switching button

- © LENGTH switching button
- Handle
- Ring for hanging
- Cord
- Plug

 Power switch

Ш	Turbo
	Dry
1	Set
	Off

- M Air outlet (Quick-dry nozzle) (See page 11)
- Air inlet
- nanoe™ ion charge plus panel (See page 10)
- Set nozzle
- Opening
 Diffuser
- R Stand (top view)

How to use the stand Unfold the handle, and place it on the stand with the air inlet of the hair dryer ♠ facing the ♠ mark ① on the stand.

About nanoe[™] and double mineral*

* "Double mineral" means mineral ions generated by two zinc electrodes.

nanoe™ and double mineral effect

Controls waviness by balancing hair moisture content, making hair glossy and easy to style.

In addition to making hair strong against damage from brushing etc., limits the influence of UV on hair, leading to beautiful hair.

nanoe™ outlet



Mineral ion outlet

What is nanoe™, mineral ion?

(nanoe™, mineral ion generation method: high voltage discharge)

nanoe™

nanoe[™] is generated by collecting the available moisture in the air, so depending on the usage environment, nanoe[™] may not be generated. In environments of low temperature and low humidity, moisture in the air becomes difficult to collect. When this occurs, negative ions are generated.

nanoe $\ensuremath{^{\text{TM}}}$ is ion wrapped in water that are invisible to the human eye.

Mineral ion

lons generated by a zinc electrode that cannot be seen by the eye.

nanoe™ ion charge plus panel

Hair is negatively charged when nanoe™ is continuously applied. Negatively charged hair repulses nanoe™, making it hard for nanoe™ to be applied to the hair.

When this occurs, simply by holding the nanoe[™] ion charge plus panel together with the handle, the negative charge accumulated on hair is released.



By doing this, nanoeTM can continue to penetrate the hair, supplying moisture and moisturizing the hair thoroughly right up to the tip.

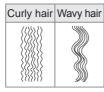
► Note

Results of nanoeTM, mineral ions and hot/cold alternating mode (see page 16) on hair vary according to the individual, and the following people may find it hard to experience an effect.

- · People with curly hair
- People with strong wavy hair
- People with smooth hair that can be easily set
- People who have had a straightening perm within 3 to 4 months
- · People with short hair

► About quick-dry nozzle

The vertical strong and weak winds make the damp hair bundles loose while blowing them to dry, thus increase the drying rate.



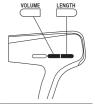


Strong Weak wind wind

Quick steps for using

1. Plug into the household outlet

2. Select VOLUME and LENGTH



3. Select wind strength to start drying the hair



4. Select TEMP according to your needs



5. Set the power switch to [O]



6. Remove the plug from the household outlet

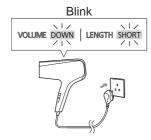
How to use

Before drying with the hair dryer, use a towel to gently wipe away the water, and comb the tangled hair with a comb or your hands.

 The operation illustration shows the lamp indication status when VOLUME is DOWN and LENGTH is MED.

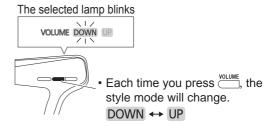
1 Plug the power plug.

- The VOLUME and LENGTH switching lamps blink according to the settings of the last use.
 (The illustration shows the initial status)
- · VOLUME and LENGTH always light on.



Press to select the styling effect, and press to select the hair length.

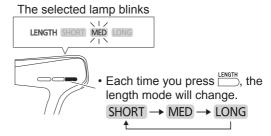
► To select styling effect



DOWN

- Suppresses fluffy hair and creates a smooth hairstyle. UP
- Sets a hairstyle with added hair volume at the top of your head.

► To select hair length



SHORT MED LONG Short hair with Middle-long hair Long hair with Approx. the ends cannot with the ends the ends 5 cm hair touch the positioned or more below length shoulders. between the the shoulder.

between the shoulders and approximately 5 cm below the shoulders.



Approx. drying time

Less than 5 min.

About 5-10 min.

More than 10 min.

 Depending on the selected length, nanoe[™] and mineral ion generation amount changes over time, increasing the effect on your hair.

▶ Notice

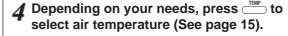
 The VOLUME and LENGTH settings cannot be changed during blowing.

Turn on the power switch and select a wind strength.

Ш	Turbo
П	Dry
I	Set

Light	on
VOLUME DOWN HOT	LENGTH MED
	- III - III - O

- nanoe[™] lamp and the selected mode lamps light on.
- nanoe[™] lamp status changes over time according to nanoe[™] and mineral ion generation amount. (When the generation amount is large: on; when the generation amount is small: blinks)
 Within about 5 minutes after setting to [O] (mode lamps light on), the nanoe[™] and mineral ion generation status will be memorized. When the power is turned on again, the last use status can be maintained and continue to be used.
- Your hair will dry faster if you direct the air towards the roots.
- Tips for decreasing or increasing hair volume. (See page 19)





• Each time you press the air temperature mode will change.

 After blow-drying your hair to 90 % dry, use the hot/ cold alternating mode to set the hairstyle and make your hair shiny and smooth. (See page 16)

5 After use, set the power switch to [O].

- nanoe™ lamp will off.
- After setting the power switch to [O], VOLUME and LENGTH will keep light on.

The mode lamps stay lighting on (after 5 minutes will blink)

5 minutes will blink)

VOLUME DOWN | LENGTH MED



6 Unplug the power plug.

- The mode lamps are off.
- Comb your hair with hands or a comb.
- For storing, keep the hair dryer in a dry place after it has fully cooled down.

▶ Note

- Keep your hair away from the air outlet and inlet.
- Be careful not to damage the air inlet due to bump against the corner of a desk, etc.



► Notice

Styling and treatment agents etc. can be used.

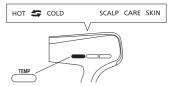
However, if you use sticky substances such as oil, gel or wax, the intended effect of nanoe™ and mineral ion may become difficult to achieve.

Since nanoe $\mbox{^{TM}}$ are generated, you might encounter the following.

- Water droplets may be blown out of the nanoe™ outlet during use.
- You may hear a noise from the nanoe™ outlet.
- You may notice a characteristic smell during use.

Select air temperature

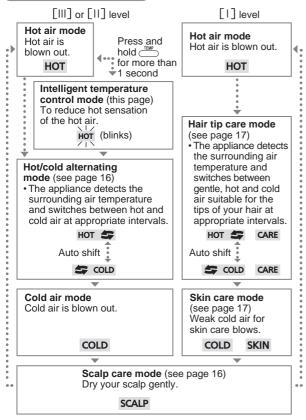
After starting up, press $\stackrel{\text{TEMP}}{\longrightarrow}$ to switch between various air temperatures.



► Notice

- After the power switch is turned on, the hair dryer will switch to HOT mode.
- Wind with nanoe[™] and mineral ion will be blown out at any air temperature setting.

Air temperature type



Intelligent temperature control mode (to reduce hot sensation of the hot air)

In cases such as after bathing in summer, when you feel uncomfortable to hot air due to the hot weather, you can achieve comfortable drying by using the intelligent temperature control mode, in which the hair dryer adjusts hot air temperature automatically according to the room temperature.

► How to set intelligent temperature control mode

- 1. Set the power switch to [II] or [III]
- 2. HOT lights on (Hot air mode)

Press and hold (for more than 1 second)

HOT blinks (Intelligent temperature control mode)

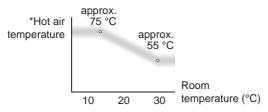
► How to restore hot air mode

Press and hold (for more than 1 second)

HOT lights on (Hot air mode)

 Set the power switch to [O], and the hair dryer will switch to HOT mode.

<mage of room temperature and hot air temperature>



* The description of the hot air temperature is based on IEC standard.

Hot/cold alternating mode (to make your hair shiny and smooth)

The hair dryer detects the ambient temperature and blows hot air/cold air alternately at the optimal time interval.

- In order to blow hot and cold air to your hair thoroughly, part your hair to the left and right side to dry it.
- 1. After blow-drying your hair to 90 % dry with the HOT mode, press to switch to \$\infty\$.
- 2. Run your hand through your hair from the inside while blowing air on hair (single side).



- Run your hand through your hair from the top of your head to hair ends while blowing air on hair (single side).
- 4. Perform step 2 and 3 to the other side of hair.



Scalp care mode (to dry your scalp gently)

Moisture remaining on the scalp surface will cause sticky discomfort.

When the room temperature is 23 °C, hot air of about 50 °C can dry your scalp mildly.

- 1. After blow-drying your hair to 70 % dry with the HOT mode, press to switch to SCALP mode.
- 2. Lift up the hair with your hand to blow-dry your scalp.
- 3. Press to switch to HOT mode, and blow-dry all of your hair.
- When you feel cold due to the low room temperature, use HOT mode to dry your scalp at a certain distance.



Hair tip care mode (to moisturize and smoothen hair ends)

- 1. Set the power switch to [1] level.
- 2. Press to switch to , and then CARE lamp will light on.
- While combing the hair with you hand, use the hair dryer to blow respectively from inside to outside and from hair roots to ends to smoothen your hair.
- 4. Perform step 3 to the other side of hair.

Skin care mode (to perform moisturizing care for your skin)

Since the skin is easy to dry out after bathing, you can use the air containing nanoe[™] and mineral ion to increase the moisture content of your skin and moisturize it.

- 1. After drying your hair, set the power switch to [1] level.
- 2. Set the TEMP switching button to COLD mode, and then the SKIN lamp will light on.
- Place the air outlet at a distance of about 20 cm from your chin, swing the body of the hair dryer and apply air for about 1 minute.
 - Close your eyes when using the SKIN mode.
 - Skin care products such as toner and lotion can be applied as normal according to your daily care time and method.

Installing or removing the nozzle

To install

 Align the nozzle with the air outlet of the appliance to install it. When the nozzle has been fixed, a click will be heard.



To remove

 Pull up and remove the nozzle from the air outlet of the appliance.



About set nozzle

For easy styling and blow drying of hair, attach the set nozzle to the hair dryer.

 Set nozzle helps to direct the air flow onto a specific area of the hair.

How to use the diffuser

Making a fluffy hairstyle

To make a fluffy hairline

Install the diffuser onto the hair dryer. Move the hair dryer from the hairline to the top of the head while holding it with the comb of the diffuser in contact with your scalp. Repeat the action slowly for 2 to 3 times.



• To puff up the top of your hair Move the hair dryer in circles for 2 to 3 times while holding it with the comb of the diffuser in contact with the top of the head. Keep doing this for 3 seconds, and then comb your hair toward the rear.



Tips: Be sure to comb the hair roots only. Do not curl up the tips.

Making a drooping and smooth hairstyle

To comb and tidy your hair, use the comb on the diffuser to comb the hair from roots to tips.



Maintaining the curly hair style

Support your curly hair with the diffuser before using the hair dryer.

Note

 When using the diffuser, select intelligent temperature control mode or COLD mode.

If you select the HOT mode or hot/ cold alternating mode, you will have hot sensation on your face or scalp.



Tips on usage

To decrease hair volume

Run your hand through your hair in the same direction as the hair flow, and apply hot air from top to bottom.



To increase hair volume

Lift up the hair roots and apply the hot air from bottom to top.

· Top of your head



· Inside of your hair



To set your hair

- 1. Dampen the area of your hair you want to set with water.
 - Grab and rub your hair with your hands, so that water can penetrate into the inside of your hair.



- 2. Set the power switch to [1] level.
- 3. Keep it in HOT status during use.
 - The set nozzle can be used to focus the air.
 - You can adjust the direction of the set nozzle according to your preference.
 - Press to switch to COLD mode to apply cold air to the area you want to set after applying hot air, which can make your hair setting last longer.

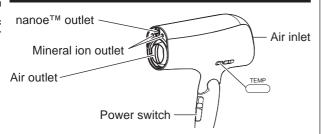
► Note

 Be careful of the hot air while adjusting the direction of the set nozzle.

► Notice

 Wave perms may temporarily become easy to stretch when you apply nanoe[™] and mineral ion to your hair, but return to their original state when you apply water or styling agents.

Maintenance of the hair dryer



▶ Note

- Before maintaining the hair dryer, always set the power switch to [O] to turn off the power and disconnect the plug from the household outlet. (Except when cleaning the air outlet)
- Clean the air inlet and outlet carefully at least once a month.

If foreign matter such as dust becomes attached or blocks the appliance, in addition to causing the performance to drop, it may cause the following symptoms.

· When it is being used in HOT mode, sparks may occur inside.

These sparks are caused by the action of the protective device (thermoswitch), and this is not dangerous.

- · Hot air repeatedly turns into cold air.
- · Hot air becomes abnormally hot.

Do this about once a month or over

Maintenance of the air inlet

Remove dust and hair etc. from the surface and inside

Wipe to clean dust or hair from the air inlet with a tissue or toothbrush.



If dust is attached to the inside, remove it with a vacuum cleaner.

▶ Note

Do not press or rub with your nails or sharp items.
 Doing so may cause the air inlet to break.

Maintaining air outlet

While scraping dust etc. with a cotton swab, blow it away with air

- 1. Plug into the household outlet.
- 2. Turn on the power switch (switch it to any position other than [O]).
- 3. Press to switch to COLD mode.
- 4. While scraping dust and hair jammed in the mesh with a cotton swab, blow them away with air.



Cotton swab

▶ Note

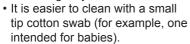
- When performing maintenance, do not block the air inlet with your hand.
- Dust will disperse during or after cleaning. Before using the hair dryer, be sure to check that there is no dust. (Do not look into the air outlet)

At least once a month

- nanoe[™] outlet
- Mineral ion outlet

To maintain the generation amount of nanoeTM and mineral ion, perform the cleaning operation carefully.

Gently insert the cotton swab in the nanoeTM outlet and the mineral ion outlet, push it in until it stops (about 1 cm; do not use excessive force), and then rotate the cotton swab 2-3 times gently.





Do this when dirty

Maintaining the main body

Soak a cloth in the soapy water and squeeze it out firmly, then wipe with the cloth.

▶ Note

- Do not use substances such as alcohol, nail polish remover or detergent (hand soap).
 (Doing so may result in malfunction or part cracks or discoloration.)
- Do not leave the appliance with hairdressing products or cosmetics attached on the main body.

(Doing so will cause discoloration and cracks due to deterioration of the plastic, leading to malfunctions)



Troubleshooting

Problem		Possible cause		Action
Sparks can be seen inside the appliance when using [HOT]. (These sparks are caused by the thermostat switch, the protective device, and this is not dangerous.)	•	Dust is attached to the air inlet or air outlet. The air inlet is blocked by hair or	•	Clear away the accumulated dust. (See pages 20 and 21)
Hot air repeatedly turns into cold air.	•	hand, etc.	▶	Do not block the air inlet.
The hot air is abnormally hot.	•		•	Do not block the all linet.
The power plug is abnormally hot.	Þ	The power plug is not firmly inserted into the outlet.	•	Use an outlet in which the power plug fits snugly.
Sparks are generated inside the nanoe $\mbox{\em m}$ outlet.	▶	The needle-shaped part located		Perform maintenance
A noise (crackling) is heard inside the nanoe™ outlet.	Þ	at the back of the nanoe™ outlet is dirty.	•	on the nanoe [™] outlet. (See page 21)
Water droplets fly out from the nanoe™ outlet.	•	Water droplets occasionally fly out from when generating nanoe $^{\text{TM}}$, this is not an abnormality.		
There is a peculiar smell.	•	This is because nanoe $^{\text{TM}}$ and mineral ion produce a peculiar smell; there is no influence to your body.		
HOT lamp is blinking quickly (twice per second).	•	Device abnormality.	•	Please consult an authorized service center.

If the problems still cannot be solved, contact a service center authorized by Panasonic.

Specifications

Product name	Hair Dryer
Product model	EH-XD20
Power source / rated frequency	220 V∼ 50 Hz
Power consumption	1800 W (when using [III] level and HOT mode)

This product is intended for household use only.

Panasonic

使用說明 (家用)「礦物納米離子護髮」風筒型號 EH-XD20

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nanoe™ 是 Panasonic Corporation 的商標。nanoe™ 是以水分子包裹的納米離子。

安全須知

為減低受傷、死亡、觸電、火警及財物損失的風險,請必 須遵從以下安全須知。

符號說明

以下符號用於為危險、傷害及財物損失的級別分類和作出 解釋。若不理會此等符號,不當使用本產品就可能會導致 所述的危險、人身傷害及財物損失。



表示潛在的危險可能會導致嚴重受傷或致命。



表示可能會導致輕微受傷或財產損失的危險。

以下符號用於分類和解釋必須留意的指示類型。



此符號用於提示用戶,不得執行某項特定的操作 程序。



此符號用於提示用戶,必須遵從某項特定的操作 程序,藉以安全操作本產品。

本說明書中使用的產品圖片,可能會與實際產品有所不同。

小警台

▶插頭和電源線



全源線纏繞時,切勿使用本產品。 - 否則可導致觸電或火警。



切勿破壞或改裝、用力彎曲、拉扯或扭動插頭或電 源線。



此外,切勿將重物放在插頭或電源線上或夾緊插頭 或電源線。

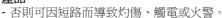
- 否則可因短路而導致灼傷、觸電或火警。



如果電源線或插頭損壞或灼熱,切勿使用本產品。 - 否則可因短路而導致灼傷、觸電或火警。



如果插頭與家用電源插座的接觸鬆動,切勿使用本 產品。





切勿在手濕時將插頭插入家用電源插座或從插座中拔出。

- 否則可導致觸電或受傷。



存放本產品時,切勿將電源線圍繞 主體或把手纏緊。



否則可因短路而導致電源線內的纏線斷裂、灼傷、觸電或火警。



切勿在電源線扭曲的狀態下存放或使用本產品。

- 否則可令電源線內的纏線因受壓而斷裂,並可因 短路而導致觸電或火警。

小警告

傷、觸電或火警。

應定期清潔插頭,防止塵埃積聚。

否則濕氣可令絕緣失效,導致火警。應拔出插頭 並用乾布抹拭。

使用之後,請務必關閉電源開關,然後從家用電源 插座中拔出本產品的插頭。

- 否則可導致灼傷或火警。

必須完全插入插頭。

確保只使用 220 V~ 電壓。

應使用獨立的家用電源插座,且切勿使用拖板。

- 否則可導致觸電或火警。

假如電源線損壞,就必須由製造商、其服務代理或 類似的合資格人士更換,以免發生危險。

- 否則可導致意外或受傷。

▶如出現異常或故障

如出現異常或故障,應立即停止使用本產品並拔出 插頭。

- 在此類情況下使用本產品,可導致觸電、受傷或 火警。
- <異常或故障事件>
 - 本產品無法出風。
 - 本產品會斷續停止運作。
 - 產品內部變成紅色及冒煙。
 - 立即聯絡 Panasonic 授權服務中心。

▶保養

如使用熱風設定時,看到出風口周圍出現火花,應停止使用本產品,並清除出風口和入風口上的毛層。

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亚清除出風口和人風口上的:
- 否則可導致灼傷或火警。



▶本產品

切勿阻擋出風口、入風口和 nanoe™出風口,或者放入髮夾或 其他異物。



- 否則可導致灼傷、觸電或火警



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啟動電源開關後,切勿放置本產品不管。

- 否則可導致火警。



切勿在接近氣體或其他易燃物料(例如酒精、 汽油、天拿水、噴劑、護髮產品及洗甲水等)附近 使用本產品。

- 否則可導致爆炸或火警。



切勿自行改裝、拆解或維修風筒。

- 否則可能會因異常操作而導致火警或受傷。 如有需要,請聯絡 Panasonic 授權服務中心維 修。



切勿將本產品存放於兒童或幼童可觸及的地方。切) 勿讓兒童或幼童使用本產品。

- 否則可導致灼傷、觸電或受傷。

⚠ 警告



切勿將本產品放置或存放於 鄰近洗手盤、水或其他充滿 水份且容易濺出的地方。

- 否則可導致爆炸或火警。



切勿濕手使用本產品。

- 否則可能會因短路而導致觸電或火警。

本產品並非設計用於商業用途,且不擬在沒有適當保養之下使用。



 否則可能會因長時間連續使用或超出負荷而導致 灼傷或火警。

切勿將本產品浸入水中。

請勿在靠水的地方使用本產品。

請勿在浴缸、蓮蓬頭、水盆或其他裝水的容器附近使用本產品。

- 否則可導致觸電或火警。





此設備上帶有禁止紅色標誌的符號表示 "請勿在靠近水的地方使用本產品"。

- 如需獲得額外保護,建議在為浴室供電的電路中, 安裝額定餘差啓動電流不超過 30 mA 的漏電斷路器 (RCD)。請諮詢安裝人員尋求建議。
 - 否則可導致意外或受傷。
- 如在浴室内使用本產品,應在使用後拔出插頭,因 為即使已關閉產品,將電器置於水源附近亦會發生 潛在危險。
 - 否則可導致意外或受傷。

患有體能、感官或智力減退,或缺乏經驗和知識之 人士(包括兒童),在無人監管或未獲告知如何使 用的情況下不得使用本產品。兒童應受到監視,確 保兒童無法把玩本產品。

- 否則可導致意外或受傷。

注意

▶為保護您的頭髮

出風口與頭髮之間應保持超過 3 cm 的距離。

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- 否則可導致頭髮灼傷。



! 注意

入風口與頭髮之間應保持超過 10 cm 的距離。

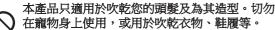
否則可令頭髮吸入入風口,導 致指壞。



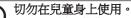
▶安全須知

切勿掉下產品或使其受到撞擊。

- 否則可導致觸電或起火。



- 否則可導致灼傷或火警。



- 否則可導致灼傷。

使用期間,出風口和風嘴可能會變得灼熱,因此 切勿徒手接觸。

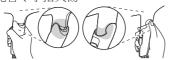
- 否則可導致灼傷。

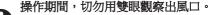
如感到皮膚或身體疼痛或異常,應立即停止使用本產品。

- 否則可導致皮膚或身體受傷。

拉下或潛疊把手時,切勿接觸圖中所示的陰影部位。

- 否則可能會令手指夾傷。





吹出的氣流可能會帶有塵埃或其他異物,並可導致受傷。

轉用其他風嘴時,應注意風嘴溫度,因為在選擇 「熱風」之後,風嘴會變得灼熱。

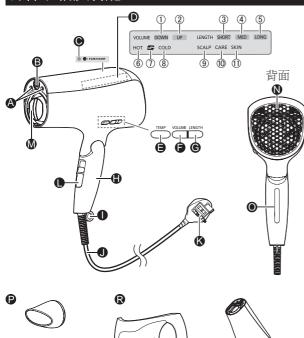
- 否則可能導致燙傷。

(中面部護理模式將氣流吹到臉上時,應閉上雙眼。 - 否則可導致眼睛受傷。

▶註

本風筒配備自動過熱保護裝置。如果風筒過熱,就會切換至冷風模式。此時應立即關閉本產品,並拔出家用電源插座中的插頭,然後清理入風口和出風口上的任何異物。之後請讓本產品冷卻數分鐘,然後再次使用。再次啟動之前,應檢查確保入風口和出風口上沒有絨毛或頭髮等異物。

部件名稱及功能





- B nanoe™ 出風口
- nanoe™ 指示燈
- 指示燈顯示區域

VOLUME (豐盈度):

- ① **DOWN** (低) 貼服模式
- ② UP (高) 蓬鬆模式

LENGTH (頭髮長度):

- ③ SHORT (短髮)
- ④ MED (中等)
- ⑤ LONG (長髮)

TEMP (溫度):

- ⑥ HOT (熱風) 指示燈 亮起: 熱風模式 HOT (熱風) 指示燈 閃爍: 智能控溫模式
- ⑦ 冷熱交替模式
- ⑧ COLD (冷風)模式
- 9 SCALP(頭皮護理) 模式
- (D) CARE (髮尾護理) 模式
- ① **SKIN** (面部護理) 模式
- TEMP (溫度) 切換按鈕
- VOLUME(豐盈度)切 換按鈕

- ⑥ LENGTH(頭髮長度) 切換按鈕
- 把手
- 掛環
- 電源線
- ❷ 插頭
- 電源開關

- 出風口(速乾風嘴)(見第31頁)
- ₩ 入風口
- nanoe™ 納米離子感 應板(見第31頁)
- ❷ 造型風嘴
- ◉ 擴散風嘴
- **® 底座 (俯視圖)** (12) 底座上的 ▲ 標記

如何使用底座

拉下把手,將其置於底座之上,風筒的入風口

分方向與底座上的 ▲標記 ② 一致。

有關 nanoe™ 及雙倍礦物離子 *

*「雙倍礦物離子」是指由2個鋅電極產生的礦物離子。

nanoe™ 納米離子及雙倍礦物離子效果

平衡頭髮內的水份,以控制頭髮的捲 曲程度,令秀髮保持光澤,易於造

除了讓頭髮變得強韌,防止因梳理頭 髮等而導致髮質受損,還可抵禦紫外 線對頭髮的影響, 今秀髮更加亮麗。



出風口

其麼是 nanoe™ 和礦物離子?

(nanoe™ 和礦物離子產牛方式:高壓放電)

nanoe™ 納米離子

nanoe™ 納米離子可依靠收集空氣內的濕氣而產生,因此 視乎使用環境而定,本產品可能無法產生 nanoe™ 納米 離子。處於溫度和濕度偏低的環境時,可能會難以收集中 空氣中的水份。出現這種情況時,便會產生負離子。 nanoe™ 納米離子是以水份包裹的離子,肉眼無法看見。

礦物離子

礦物離子由鋅電極產生,肉眼無法看見。

nanoe™ 納米離子咸應板

持續送出 nanoe™ 納米離子後,頭髮 就會累積負電荷,此時頭髮會排斥 nanoe™ 納米離子,使其難以吸附到 頭髮之上。

如出現這種情況,只需在握住把手的 同時按住 nanoe™ 納米離子咸應板, 即可釋放頭髮上累積的負電荷。

這種做法可讓 nanoe™ 納米離子繼續滲入頭髮,為秀髮 供應水份, 徹底滋潤秀髮直至髮尾部份。

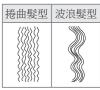
▶註

視乎不同人士的個別情況,nanoe™ 納米離子、礦物離子 及冷熱交替模式(見第36-37頁)在頭髮上產生的結果 各有不同。以下人士可能會難以感受使用效果。

- 頭髮捲曲的人士
- 頭髮強韌目呈波浪形的人十
- 頭髮順滑,易於浩型的人士
- 3 至 4 個月內頭髮曾接受燙直處 理的人十
- 短髮人十

▶ 有關速乾風嘴

垂直吹出的強風和弱風,有助令濕 髮束分離,增加頭髮與風接觸的表 面面積,從而更快吹乾頭髮。



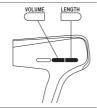


中

快速使用步驟

1. 將插頭插入家用電源插座

2. 選擇 VOLUME (豐盈度) 和 LENGTH (頭髮長度)



3. 選擇開始吹乾頭髮的風力強度



4. 根據需要選擇 TEMP (溫度) 內的不同護理模式



5. 將電源開關推到 [O] 的位置



6. 從家用電源掃座中拔出掃頭

使用方法

使用風筒乾髮前,請用毛巾輕力抹走頭髮上的水份,以及 用髮梳或雙手梳理纏繞頭髮。

 以下操作圖片是 VOLUME (豐盈度)設定為 DOWN (低)貼服模式,而 LENGTH (頭髮長度)設定為 MED (中等)時的指示燈顯示狀態。

]插入插頭。

- VOLUME(豐盈度)和 LENGTH(頭髮長度)切換 指示燈,會根據上次使用的情況而閃爍爍。 (圖片顯示最初啟動時的狀態)
- VOLUME (豐盈度)和 LENGTH (頭髮長度)指示 燈始終亮起。



2 按 ◯ 選擇造型效果,然後按 ◯ 選擇頭髮長度。

▶選擇造型效果





DOWN (低) 貼服模式

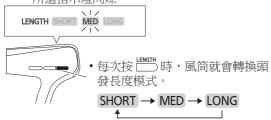
• 可吹平蓬鬆的頭髮,締告出順滑髮型。

UP(高) 蓬鬆模式

• 為頭髮造型時,增加頭頂部位的豐盈度。

▶選擇頭髮長度

所選指示燈閃爍



SHORT MED LONG (短髮) (中等) (長髮) 頭髮大 短髮,髮尾未及 中長頭髮,髮尾 長髮,髮尾有 **启膊**。 位置介平局膊至 5 cm 或以上低 概長度 低於肩膊 5 cm 於扃膊。 左右。







大約吹 乾時間

少於5分鐘

約 5-10 分鐘

超過 10 分鐘

• 視平所撰長度而定, nanoe™ 納米離子及礦物離子 的產生量會隨著時間而有所改變,以增強對頭髮產 牛的效果。

▶注意

• 吹髮期間, VOLUME (豐盈度) 和 LENGTH (頭髮長 度)設定無法更改。

3 啟動電源開關, 選擇風力強度。

|||...... 渦輪(超強風) ||......乾髮(強風) |............ 造型(柔風)

指示燈亮起 VOLUME DOWN LENGTH MED HOT



- nanoe™ 指示燈及所選的模式指示燈將會亮起。
- nanoe™ 指示燈的狀態,會根據 nanoe™ 納米離子和礦物離子的產生量而隨時間變更。
 (產生量高時:亮起;產生量低時:閃爍)設定為[O](模式指示燈亮起)大約5分鐘後,系統便會記住 nanoe™ 納米離子和礦物離子的產生狀態。再次啟動電源時,可保持上次使用的狀態並繼續使用。
- 將氣流對準髮根,可更快吹乾頭髮。
- •減低及提升頭髮豐盈度的貼士。(見第39頁)

4 視乎您的需要,可按 [™] 選擇不同護理模式 (見第 35 頁)。



- 每次按 一時,風筒就會轉換不同護理模式。
- 將頭髮吹至90%乾時,使用冷熱交替模式為頭髮 造型,令秀髮柔順有光澤。(見第36-37頁)

5 使用之後,將電源開關推到 [O] 的位置。

- nanoe™ 指示燈將會
 關閉。
- ·將電源開關推到 [O] 的位置時,VOLUME (豐盈度)和 LENGTH (頭髮長度)會保持亮 起。

模式指示燈會保持亮起(5分鐘之後會閃爍)

VOLUME DOWN LENGTH MED



6 拔出插頭。

- 模式指示燈將會關閉。
- 請用雙手或髮梳梳理頭髮。
- 如要存放本產品,請在風筒徹底 冷卻之後置於乾爽之處。

▶註

- 頭髮應遠離出風口和入風口。
- 注意不要讓入風口撞擊枱角等物件, 以免損壞。





▶注意

可使用造型及護髮劑。

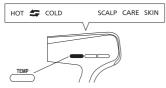
但是,如果您使用黏身的物質,例如髮油、啫喱或髮蠟,nanoe™納米離子及礦物離子就可能難以產生預期效果。

產生 nanoe™ 納米離子後,可能會出現以下情況。

- 使用期間,水滴可能會從 nanoe™ 出風□一同吹出。
- · 您可能會聽到 nanoe™出風口發出噪音。
- 使用期間, 您可能會注意到風筒發出特殊氣味。

選擇護理模式

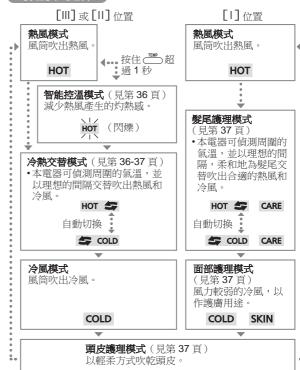
啟動之後,按 切換不同護理模式。



▶注意

- 啟動電源開關之後,風筒會切換至 HOT (熱風)模式。
- 無論設定哪個護理模式,風筒都會吹出 nanoe™ 納米離子及礦物離子。

護理模式選擇



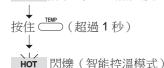
SCALP

智能控溫模式(以減少熱風產生的灼熱感)

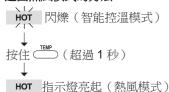
在夏天沐浴等情況下,如果因天氣炎熱而在使用熱風時感 到不適,您可使用智能控溫模式,達到舒適的吹風效果, 此時風筒會根據室溫而自動調節熱風溫度。

▶設定智能控溫模式的方法

- 1. 將電源開關推到 [Ⅱ] 或 [Ⅲ] 的位置
- 2. HOT 指示燈亮起(熱風模式)

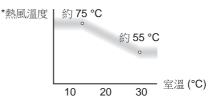


▶返回熱風模式的方法



 將電源開關推到 [O] 的位置,風筒便會切換至 HOT (熱風) 模式。

<室溫及熱風溫度圖示>



*熱風溫度乃根據IEC標準測量所得。

冷熱交替模式(讓您的頭髮閃亮順滑)

風筒會偵測環境溫度,並以理想的間隔交替吹出熱風/冷風。

- 為了讓冷熱風能徹底吹理頭髮,吹髮時請將頭髮向左右 兩邊撥開。
- 1. 以 HOT (熱風) 模式將頭髮吹至 90 % 乾後,接 切換至 **与**。
- 2. 吹髮(單邊)時,將手放入頭髮內側掃動頭髮。



- 3. 吹髮(單邊)時,用手將頭髮由頭頂 部位掃至髮尾。
- 4. 另一邊頭髮重複步驟 2 和 3 的做法。



頭皮護理模式(以輕柔方式吹乾頭皮)

頭皮表面剩餘的水份,會導致濕黏的不適感覺。 室內溫度 23 °C 時,大約 50 °C 的熱風就可以溫和的方式吹乾頭皮。

- 1. 以 HOT (熱風) 模式將頭髮吹至 70 % 乾後,按 切換至 SCALP (頭皮護理) 模式。
- 2. 用手提起頭髮吹乾頭皮。
- 3. 按 切換至 HOT (熱風) 模式, 然後吹乾所有頭髮。
- 如果因室溫偏低而感到寒冷,可使用 HOT(熱風)模式,在適當距離吹乾 頭皮。



髮尾護理模式(可濕潤及理順髮尾)

- 1. 將電源開關推到風力[1]的位置。
- 2. 按 □□□□ 切換至 每,此時 CARE (髮尾護理) 指示燈將 會亮起。
- 3. 用手梳理頭髮時,使用風筒由內至外及由髮根至髮尾 吹理頭髮,令秀髮變得順滑。
- 4. 另一邊頭髮重複步驟 3 的做法。

面部護理模式(為皮膚進行濕潤護理)

由於在沐浴之後皮膚會容易變得乾燥,您可使用含有 nanoeTM 納米離子及礦物離子的氣流,提高皮膚的濕潤 程度。

- 1. 乾髮之後,請將電源開關推到風力 [1] 的位置。
- 將 TEMP(溫度)切換按鈕設定為 COLD(冷風)模式,此時 SKIN (面部護理)指示燈將會亮起。
- 3. 出風口保時在距離下巴約 20 cm 的位置,然後搖晃風筒機身吹風約 1 分鐘。
 - 使用 **SKIN**(面部護理)模式時應 合上雙眼。
 - 爽膚水及乳霜等護膚產品,可根 據您的日常護膚時間和方式照常 使用。



裝上或拆下風嘴

裝上風嘴

將風嘴對準本產品的出風口,即可安裝。裝緊風嘴時會 聽到「咔」一聲。



拆下風嘴

• 向上拉出安裝到本產品出風口的風嘴,將其取下。



有關造型風嘴

如要以簡易的方式為頭髮造型及吹乾頭髮,可將造型風嘴 安裝到風筒上。

• 造型風嘴有助將氣流引導至頭髮的某個指定部位。

如何使用擴散風嘴

營造出蓬鬆造型

• 獲得蓬鬆髮線

在風筒上安裝擴散風嘴。握住風筒,讓擴散風嘴的髮梳接觸頭皮,然後將風筒由髮線移動至頭頂。慢速重複此動作2至3次。





• 讓頭髮頂部獲得蓬鬆效果

握住風筒,讓擴散風嘴的髮梳接觸頭頂,然後將風筒以畫圓的動作移動風筒2至3次。維持3秒之後,將頭髮往後梳理。

貼士:確保只梳理髮根,切勿捲曲髮 尾。



營造出下垂及順滑造型

梳理頭髮時,使用擴散風嘴上的髮 梳,由髮根梳到髮尾。



保養捲曲髮型

使用風筒之前,請以擴散風嘴支撐捲 曲頭髮。

▶註

使用擴散風嘴前,請選擇智能控溫模式或 COLD (冷風)模式。如果選擇 HOT (熱風)模式或冷熱交替模式,面部或頭皮就會產生灼熱 感覺。



使用貼士

減低頭髮豐盈度

用手掃動頭髮,方向與頭髮梳理方向 一致,然後以熱風由上至下吹髮。



提升頭髮豐盈度

提起髮根,以熱風由下至上吹髮。

• 頭頂



• 頭髮內側



- 1. 用水沾濕希望為頭髮造型的部位。
 - 用雙手握住及揉搓頭髮,讓水份能夠滲入頭髮內部。
- 2. 將電源開關推到風力[1]的位置。
- 3. 使用期間維持在 HOT (熱風) 狀態。
 - 此時可使用造型風嘴集中氣流。
 - 您可按照喜好,調節造型風嘴的方向。
 - 使用熱風之後,按 切換至 COLD (冷風)模式,吹向您想造型的部位。這種做法可讓您的頭髮造型更加持久。

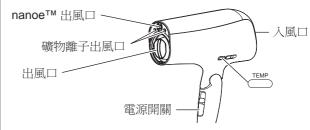
▶註

• 調節造型風嘴的方向時,應小心注意熱風。

▶注意

 將 nanoe™納米離子及礦物離子吸附到頭髮上時,波浪 燙髮可能會暫時變得容易拉直,但頭髮沾上水份或使用 造型劑後,就會回復為原本的狀態。

保養風筒



▶註

- 保養風筒之前,必須將電源開關推到 [O] 的位置,並 將插頭從家用電源插座中拔出。(清潔出風口時除外)
- 應最少每月細心清潔入風口和出風口一次。如有異物(例如塵埃)附於或阻擋這些電器部位,除了會令效能減弱之外,還可導致以下症狀。
 - · 使用 HOT (熱風)模式時,內部可能會出現火花。 這些火花乃由於保護裝置(恆溫器開關)的運作而產 生,不會引發危險。
 - · 熱風不斷轉換成冷風。
 - 熱風變得異常灼熱。

每月執行以下操作一次或以上

保養入風口

去除表面和內部的塵埃及頭髮等物體

用紙巾或牙刷,抹除入風口 的塵埃或頭髮。





▶註

 切勿用指甲或尖銳物件按壓或刮擦入風口。否則可導致 入風口破裂。

保養出風口

一邊用棉花棒擦除塵埃等異物,一邊將 其吹走

- 1. 將插頭插入家用電源插座。
- 2. 啟動電源開關(推到 [O] 以外的任何位 置)。
- 4. 一邊用棉花棒擦除網格上卡住的塵埃 及頭髮,一邊將其吹走。



▶註

- 執行保養時,切勿用手阻擋入風口。
- 塵埃會在清潔期間或之後散開。使用風筒之前,應確保 檢查風筒上沒有塵埃。(切勿用雙眼觀察出風口)

最少每月一次

- · nanoe™ 出風口
- •礦物離子出風口

為保持 nanoe™納米離子和礦物離子的產生量,請細心 執行清潔工作。

將棉花榛輕力放入 nanoe™ 出風□ 和礦物離子出風口,向內推至盡頭 (約1cm;切勿用力過度),然後 輕力轉動棉花棒 2-3 次。



• 使用末端較細小的棉花棒 (例如 嬰兒專用棉花棒),可更易清潔。

風筒變髒時執行以下步驟

保養主體

將抹布浸入皂水之中,然後用力擰 乾水份,再用來抹淨主體。

▶註

- 切勿使用酒精、洗甲水或洗潔精 (肥皂)等物質清潔。
- (否則可導致故障,或導致部件破 裂或變形。)
- 切勿讓本產品的主體殘留理髮產 品或化妝品。
 - (否則可能會因塑膠變質而今主體 褪色或破裂,導致故障)



女

疑難排解

問題	可能導致故障的原因	措施
使用 [HOT](熱風)時,產品內部可看到火花。 (這些火花乃由於恆溫器開關(保護裝置)的 運作而產生,不會引發危險。)	▶ 塵埃貼附在入風口或出風口處。	清除積聚的塵埃。 (見第 40-41 頁)
熱風不斷轉換成冷風。	▶ 入風口被頭髮或手等物件阻擋。	切勿阻擋入風口。
熱風異常灼熱。	•	2000年1日人民心
插頭異常灼熱。	▶ 插頭尚未完全插入電源插座。	請使用能夠插緊插頭的電源插座。
nanoe™ 出風口內部產生火花。	► nanoe™ 出風口背面的針形部位變	為 nanoe™ 出風口執行保
nanoe™ 出風口內部聽到噪音(劈啪聲)。	→ 得骯髒。	養程序。(見第41頁)
水滴從 nanoe™ 出風口處飛出。	產生 nanoe™ 納米離子時,偶爾 ▶ 會有水滴飛出,這種並非異常情 況。	
產品發出特殊氣味。	這是因為 nanoe™ 納米離子及礦 ▶ 物離子會產生特殊氣味,對您的身 體不會造成影響。	
HOT (熱風) 指示燈快速閃爍 (每秒 2 次)。	▶ 裝置出現異常。	請向授權服務中心查詢。

如果問題仍未解決,請聯絡 Panasonic 授權服務中心。

規格

產品名稱	「礦物納米離子護髮」風筒
產品型號	EH-XD20
電源/額定頻率	220 V ∼ 50 Hz
耗電量	1800 W(使用風力[Ⅲ]和 HOT(熱風)模式時)

本產品只適合家居用途。

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