

Nano-TiO₂ Air Purifiers

Key to Healthy Living





Harmony

Delivering clean and healthy indoor air, all year round



Research shows that people are spending more and more of their lives indoors - during work, rest play, and even when travelling by car. Yet, according to the U.S. Environmental Protection Agency, the threat to health from indoor air pollutants is up to 100 times greater than outdoor pollution. That means indoor air quality (IAQ) is important since the air we breathe directly affects our health and lifestyle.



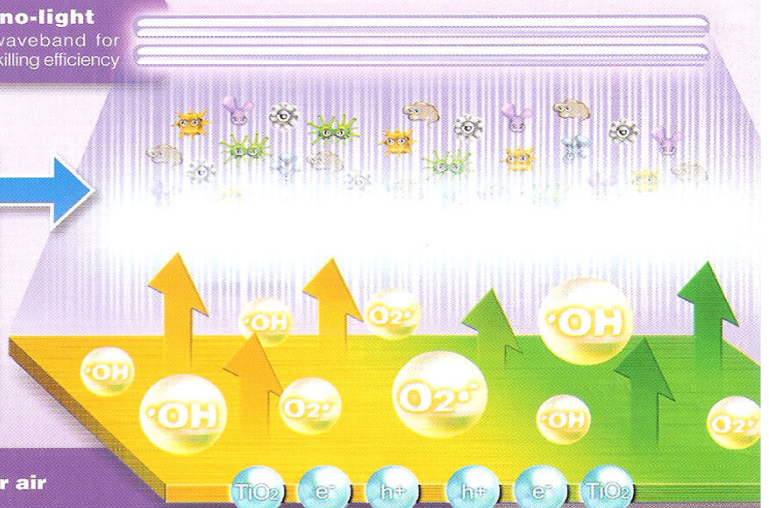
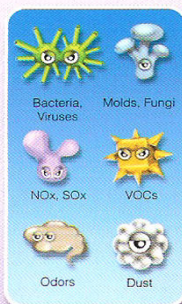
The Nano-TiO₂ advantage

If you are looking for the best purification technology, look no further.

Offering the most comprehensive range of indoor air purifiers with the latest technology for improving IAQ, YORK introduces Nano-TiO₂ (titanium dioxide) Indoor Disinfection Technology. This patent pending technology is currently one of the most effective indoor air purification solutions available. It is the fruit of YORK's innovation to improve IAQ, and is concrete proof of YORK's concern for the environment and health.

YORK Nano-light

Emits UVA waveband for optimal germ-killing efficiency



Polluted indoor air

- Bacteria and viruses
- Molds and fungi
- Volatile organic compounds (VOCs) such as formaldehyde and benzene
- Inorganic gaseous pollutants such as nitrous oxide and sulphur dioxide
- Smoke and offensive odors

People are generally unaware that most indoor environment contain volatile organic compounds (VOCs). These harmful chemical substances, which are emitted from the furniture, paints, varnishes and even liquid disinfectants, can affect your health. Just a small amount of VOCs can induce allergic reactions and other indoor illnesses.

While most air purifiers are ineffective in dealing with VOCs, YORK's Nano-TiO₂ Air Purifiers remove VOCs - along with dust, pathogens and inorganic pollutants - allowing you to lead a comfortable and healthy indoor lifestyle.

What affects your health?

- Cigarette smoke and dust
- Bad odors
- Volatile organic compounds (VOCs) like benzene and formaldehyde
- Ozone generated by photo-copier and other office equipment
- Bacteria and viruses in the air
- Moulds and fungi

An environmentally safe and effective air purification solution

When TiO₂ is exposed to low-intensity ultraviolet rays (UV-A), a reaction occurs which generates hydroxyl radicals (•OH) and super-oxide ions (O₂⁻). Hydroxyl radicals (•OH) are very powerful oxidizing agents which quickly react to the carbon and hydrogen components of pollutants and decompose them into harmless carbon dioxide (CO₂) and water (H₂O). The YORK Nano-TiO₂ photocatalytic process is highly efficient at generating free hydroxyl radicals (•OH), which makes it highly effective in eliminating airborne pollutants such as microorganisms and volatile organic compounds (VOCs).

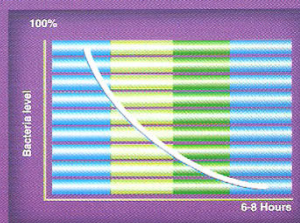


*This system was tested by the following reputable institutes and organizations:

- The Hong Kong Polytechnic University, Report No. P04-0521
- The Productivity Council of Hong Kong, Report No. 4101-40014285
- The Detection Centre of Microbiology, Guangzhou, PRC, Report No. FM0644



Disinfection & TVOC removal efficiency over **95%***



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Purifies indoor air in more ways than



YH30XPTAA

New benchmark in indoor air purification



6 layers of protection

Combines 6 disinfection and filtration technologies for TOTAL protection against harmful pollutants and pathogens:

- **Nano-TiO₂ Disinfection Technology:** With over 95% disinfection and TVOC removal efficiency, it eliminates almost all harmful airborne pollutants, kills pathogens, removes VOCs and foul odors.
- **Ionizer:** Removes dust and harmful radicals by generating refreshing negative ions - 2 million per cm³ - twice the density found in a tropical rainforest.
- **Activated Carbon HEPA filter:** First-of-its-kind filter integrating HEPA (High Efficiency Particulate Arresting) and Activated Carbon filtration techniques for higher efficiency. It removes 99.97% of dust particles as small as 0.3 micron and eliminates foul odors.
- **Electro-static filter:** removes 80% of particles down to 0.3 micron and can be in continuous use for 24 days before cleaning.
- **Prefilter:** filters off large particles and protects inner filters; made of plastic that is durable and washable.



Why you need it

With the maximum application area of 40m², the YH30XPTAA is ideal for family rooms, offices and function rooms - such as boardrooms and conference centers, where the air quality needs to be closely monitored and thoroughly purified.



Triple Sensor Intelligence

Industry's first air purifier with three intelligent sensing functions for maximum convenience and protection:

- 1 Automatically adjusts purifying efficiency
- 2 Detects odors and smoke in the air
- 3 Identifies concentration of dust and allergen in the air

- ✓ **One-touch automatic convenience:** Eliminates the need for remote controls or manual adjustments
- ✓ **Energy saving:** Intelligent, automatic adjustment of purifying efficiency eliminates wasted energy

Ultra-quiet operation

5 fan speed settings, including **quiet** and **auto** modes

Modern design

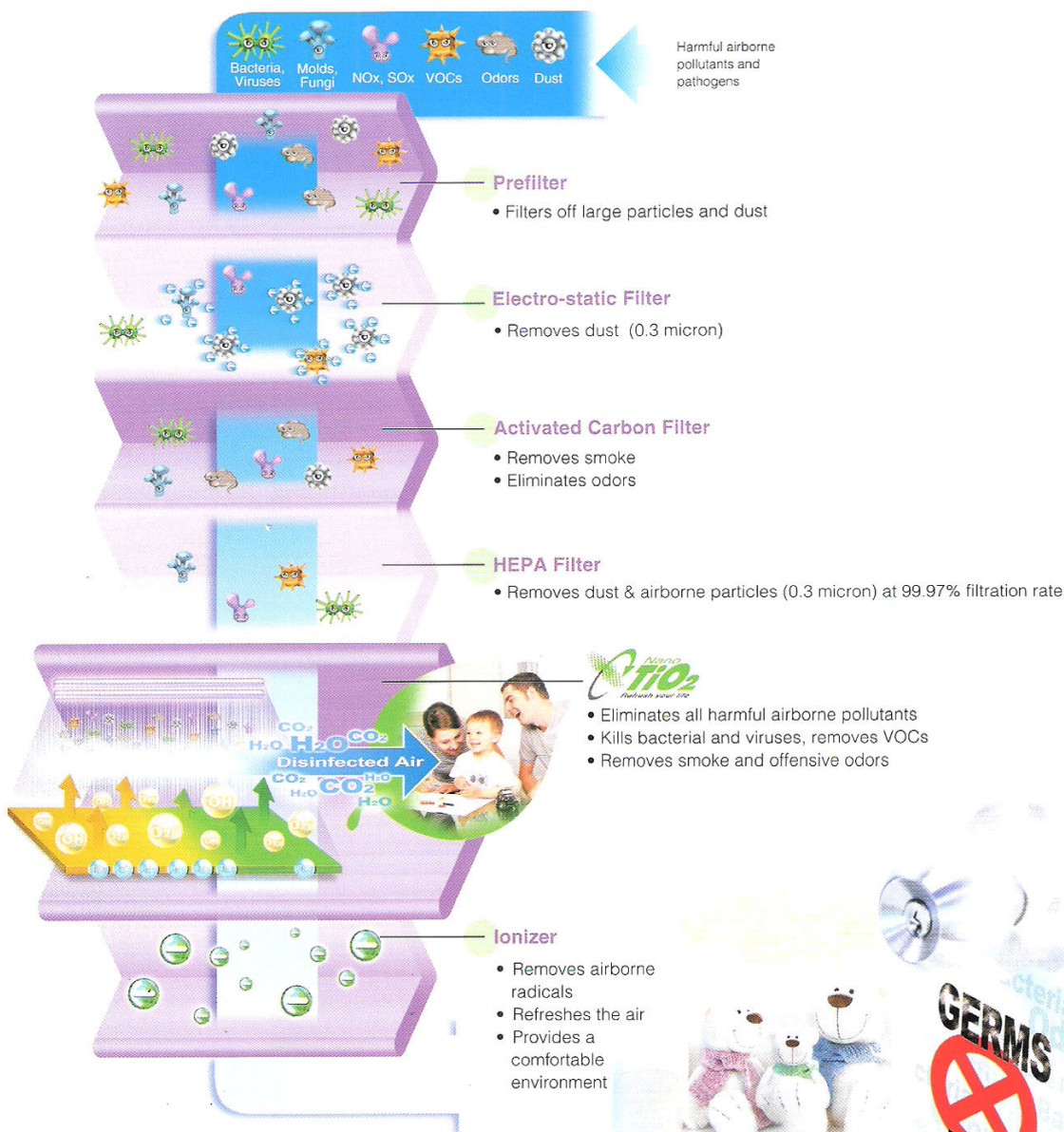
Both aesthetically-pleasing and functional - providing maximum surface area for cleaning

Smart Indicators

Hassle-free maintenance with indicators to show status of the Activated Carbon HEPA and Electro-static filters.

Voltage	Power Consumption	Maximum Air Flow Rate	Maximum Room Area	Dimensions	Weight	Maximum Negative Oxygen Ion Density
AC220 / 110V	≤95 W	3.0 m ³ /min	40 m ²	343 x 255 x 610 mm	6.85 kg	≥2 x 10 ⁶ /cm ³

any other air purifier



Air Purifier

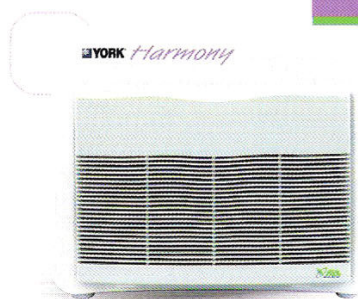
Nano-TiO₂



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Purifies indoor air in more ways than any other air purifier



Why you need it

With a maximum application area of 25 m², YH31XPTAA provides excellent performance and value for both homes and offices. It effectively purifies air in living rooms, bedrooms, dining rooms, private offices and meeting rooms.

YH31XPTAA

Excellent filtration performance and great value

- **5 layers of filtration** provide more than adequate protection 
- **Nano-TiO₂ Disinfection Technology:** With over 95% disinfection and TVOC removal efficiency, it eliminates almost all harmful airborne pollutants, kills pathogens, removes VOCs and foul odors.
- **Ionizer:** Takes out dust and harmful radicals by generating refreshing negative ions - 1 million per cm³ - the same density found in a tropical rainforest.
- **Improved HEPA (High Efficiency Particulate Arresting) filter:** Lasts longer with thickened filter surface, removing 99.97% of dust particles as small as 0.3 microns
- **Activated Carbon filter:** neutralises odors and eliminates smoke
- **Prefilter:** Catches large particles and protects inner filters
- **Universal appliance** - good for home and office environments

Voltage	Power Consumption	Maximum Air Flow Rate	Maximum Room Acreage	Dimensions	Weight	Maximum Negative Oxygen Ion Density
AC 220 / 110 V	≤50 W	2.0 m ³ /min	25 m ²	380 x 197 x 330 mm	4.5 kg	≥1x10 ⁶ /cm ³



Air Purifier

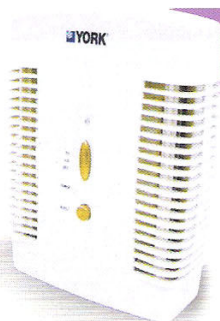
Nano-TiO₂



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Keep clothing, books and shoes clean & refreshed



YH06XP1AA

Air Purifier keeps clothes and books cleaner and fresher

- Ideal for keeping the indoor air in a **wardrobe**, **bookshelves** and cupboard fresh
- Uses state-of-the-art **Ionic Breeze Technology** combining ionization and electro-static filtration - to kill bacteria and remove odors
- **Easy** operation
- Completely **silent**
- Can run off batteries when AC power is unavailable
- **Small** and **lightweight** design for easy placement



Why you need it

The YH06XP1AA has been designed for use in small spaces and places without electric sockets. It is also ideal for areas where dirty clothes accumulate, emitting bad odor and hosting bacteria.

Voltage	Power Consumption	Maximum Room Acreage	Dimensions	Weight	Maximum Negative Oxygen Ion Density	Active Oxygen Density
DC9-12 V / 6 C size	2 W	5 m ²	150 x 65 x 220 mm	212 g	$\geq 1 \times 10^5 / \text{cm}^3$	$\leq 0.08 \text{ mg} / \text{m}^3$



YH07XP1AA

Air Purifier for clean and odorless shoes



- Purpose-designed to keep **shoes** fresh and sanitized by killing bacteria and removing odors using state-of-the-art **Ionization Technology**
- **Easy** operation
- Completely **silent**
- **Small** and **lightweight** - **easy placement** in shoes or confined areas



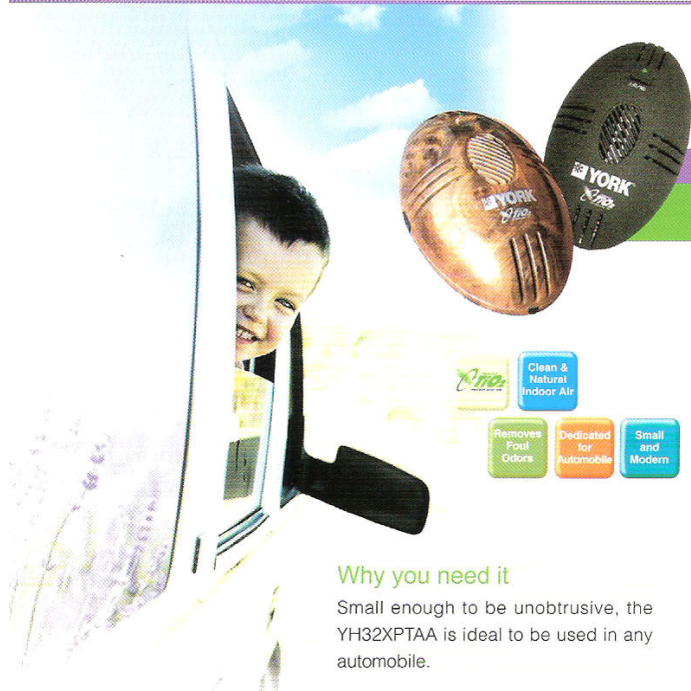
Why you need it

Designed to be placed inside a pair of shoes, the YH07XP1AA kills bacteria and eliminates foul odors.

Voltage	Power Consumption	Maximum Room Acreage	Dimensions	Weight	Maximum Negative Oxygen Ion Density	Active Oxygen Density
DC6-9 V / 4 C size	1 W	0.2 m ²	200 x 140 x 70 mm	205 g	$\geq 1 \times 10^5 / \text{cm}^3$	$\leq 0.08 \text{ mg} / \text{m}^3$



Enjoy disinfected and cleaner air in your car



YH32XPTAA Advanced automobile air purifier

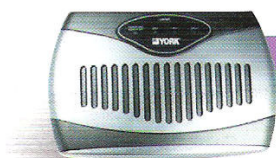
- Designed for use in **automobiles**
- **Nano-TiO₂ Disinfection Technology:** With over 95% disinfection and TVOC removal efficiency, it eliminates almost all harmful airborne pollutants, kills pathogens, removes VOCs and foul odors.
- **Easy** operation
- Completely **silent**
- **Low power** consumption
- **Compact space-age design** for convenient placement in cars
- **Color:** Black Velvet or Mahogany



Why you need it

Small enough to be unobtrusive, the YH32XPTAA is ideal to be used in any automobile.

Voltage	Power Consumption	Maximum Air Flow Rate	Maximum Room Acreage	Dimensions	Weight
DC12 V	3 W	0.1 m ³ / min	2 m ²	140 x 90 x 50 mm	180 g



YH34QPTAA Versatile air purifier

- **Nano-TiO₂ Disinfection Technology:** Eliminates almost all harmful airborne pollutants, kills pathogens, removes VOCs and foul odors.
- Powerful enough to be used in an **automobile**, walk-in closet or a small room.
- Comes with **both AC or DC adaptors**, enabling it to run off standard automobile power sockets or mains electricity
- **Wall-mounted or floor-standing** for optimal location.
- **Easy** operation
- **Compact and portable design** allows for easy transport



Why you need it

The YH34QPTAA is a versatile and portable air purifier that can be used in an automobile or a small room. The foldable power adapter makes this unit ideal for traveling.

Voltage	Power Consumption	Maximum Air Flow Rate	Maximum Room Acreage	Dimensions	Weight
DC12 / AC 100-240 V	5 W	0.5 m ³ / min	10 m ²	235 x 102 x 178 mm	0.9 kg

Automobile Air Purifiers

Nano-TiO₂



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Enjoy cleaner air in your car

Automobile Air Purifier



YH12XPIAA

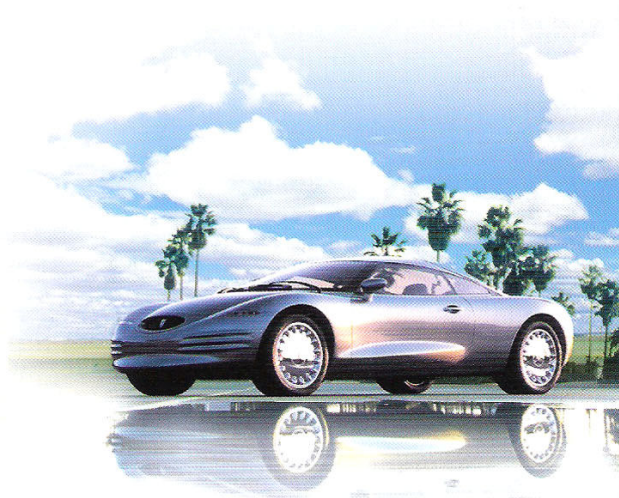
Space-saving air purifier built with security in mind

- Designed for use in **automobiles**
- Eliminates bacteria and removes foul odors for safer indoor air; keeps the indoor air fresh using state-of-the-art **ionization Technology**
- **Easy** operation
- Completely **silent**
- **Battery operated** with **low power** consumption for longer life span
- Small and attractive **space-age design** for convenient placement in cars; emulates vehicle security alarm



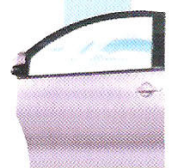
Why you need it

The YH12XPIAA is ideal for those looking for compact design and effective air purifier. Its diminutive size and low power consumption prolongs its life-span for long journeys.



Voltage	Power Consumption	Maximum Negative Oxygen Ion Density	Active Oxygen Density	Dimension	Weight
DC12 V / 4 x AAA	2 W	$\geq 1 \times 10^4 / \text{cm}^3$	$\leq 0.08 \text{ mg} / \text{m}^3$	110 x 81 x 58 mm	130 g

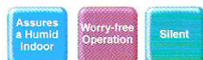
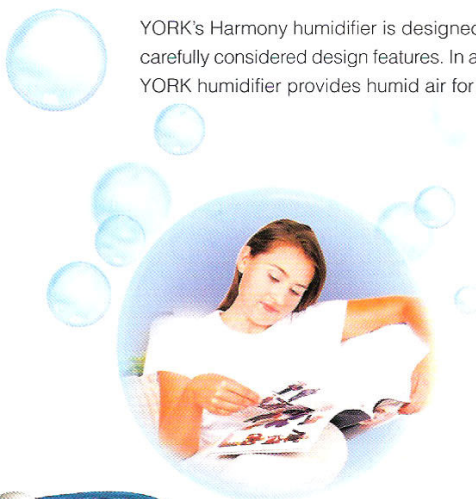
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Humidify for indoor comfort

Humidifiers can provide relief in the home from sinus-related pressure headaches or infections. They balance the humidity level in dry condition to provide "total comfort".

YORK's Harmony humidifier is designed to be ultra-silent. It includes carefully considered design features. In a bedroom or a baby's nursery, YORK humidifier provides humid air for an easier, healthier sleep.



YH40AHAA Large capacity ultrasonic humidifier

- Hands-free and **fully-automatic** with humidifying mist adjusted according to required level
- Completely **silent** as humidifier uses ultrasonic waves
- Water capacity up to **seven litres** for longer operation in bigger rooms
- **Worry-free** operation as unit automatically stops when the water tank is empty
- **Practical**, see-through **design** enables users to easily gauge water levels

Why you need it

The YH40AHAA ultrasonic humidifier with its large, seven-litres capacity, is perfect for worry-free operation in a home environment.

Voltage	Power Consumption	Maximum Room Acreage	Water Capacity	Dimensions	Weight
AC 220 V / 110V	30 W	20 m ²	7 L	273 x 188 x 365 mm	3.3 kg

Humidifier



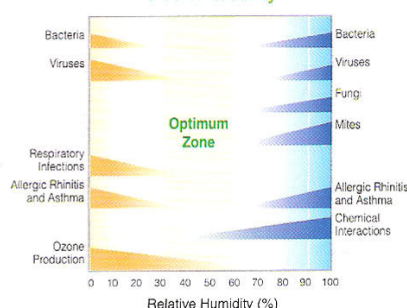
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Dehumidify and purified air for indoor comfort

Bacteria and germs are active in extreme humid or dry environments. High humidity causes uncomfortable feelings that affect peoples' moods. It also stimulates the growth of fungi and mould on walls, clothing, food, etc.

Keeping the "right" level of humidity prohibits the growth of bacteria, mold and other airborne pollutants. Combining dehumidification and indoor air disinfection, YORK's Harmony Nano-TiO₂ dehumidifier offers you and your family a "total comfort" environment.

Impact of Relative Humidity on Air Quality



YH71HDTAA

First-of-its-kind dehumidifier with air purifying function



Why you need it

The YH71HDTAA dehumidifier, with its indoor air disinfection functions, is ideal for rooms that are 20 - 30 m² and where the weather changes frequently to cold and humid conditions.

- **Nano-TiO₂ Disinfection Technology:** With over 95% disinfection and TVOC removal efficiency, it eliminates almost all harmful airborne pollutants, kills pathogens, removes VOCs and foul odors.
- Enables **"Total Comfort"** by **automatically** maintaining room humidity to set levels
- **Worry-free operation**
 - Automatically activates **Auto Defrost** in cold and humid conditions
 - Automatically **stops** when the **water tank is full**
 - Provides an **electronic display** of current humidity

Voltage	Power Consumption	Maximum Air Flow Rate	Maximum Room Acreage	Rated Humidity Removal	Water Tank Capacity	Dimensions	Weight
AC 220 V	450 W	3.3 m ³ /min	20 - 30 m ²	18 L/Day (30°C 80 RH)	4 L	345 x 287 x 584 mm	17 kg

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Dehumidifier
Nano-TiO₂



State-of-the-art Air Purifiers

For TOTAL protection against harmful pollutants and pathogens:

Models									
Indoor Air Disinfection	✓	✓			✓	✓			✓
Ionizer	✓	✓	✓	✓			✓		
HEPA Filter	✓	✓							
Activated Carbon Filter	✓	✓							
Electro-Static Filter	✓		✓						
Prefilter	✓	✓				✓			✓
Power Consumption (W)	≤95	≤50	2	1	3	5	2	30	450
Maximum Air Flow Rate (m³/min)	3	2			0.1	0.5			3.33
Maximum Room Acreage (m²)	40	25	5	0.2	2	10	2	20	20-30
Maximum Negative Oxygen Ion Density (cm³)	≥2 x 10⁶	≥1 x 10⁶	≥1 x 10³	≥1 x 10³			≥1 x 10⁴		
Voltage (V)	AC220 / 110	AC220 / 110	DC6-9 / 6 C size	DC6-9 / 4 C size	DC12	DC12 / AC100-240	DC12 / 4 x AAA	AC220 / 110	AC220
Dimensions (mm)	343x255x610	380x197x330	150x65x220	200x140x70	140x90x50	235x102x178	110x81x58	273x188x365	345x287x584
Weight	6.85 kg	4.5 kg	212 g	205 g	180 g	0.9 kg	130 g	3.3 kg	17 kg

YORK's Commitment - Superior Quality • Excellent Service • Distinctive Technology

Founded in 1874, YORK is the world's largest independent supplier of heating, ventilating, air conditioning and refrigeration equipment. Headquartered in Hong Kong, YORK Asia Pacific offices are located in Australia, Indonesia, Korea, Malaysia, New Zealand, Philippines, PRC, Singapore, Taiwan, Thailand and Vietnam.

YORK has been chosen by world-renowned organizations including the Olympic Games, the US Capitol, the Kremlin, the Sydney Opera House, the Trans-Channel Eurotunnel, the National Theatre of China, the Hong Kong Convention & Exhibition Centre, the Kuala Lumpur City Centre and Taipei 101, the world's tallest building.

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