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Ultra

## Wall-mounted Air Conditioners





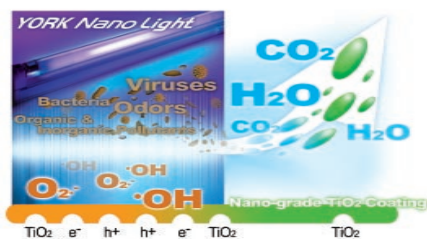
With over a century of experience in air conditioning, YORK has provided clean and cool air for famous landmarks all over the world. Now, combining years of expertise and state-of-the-art technology, YORK brings you a new work of art for your home.

Introducing Nano-TiO<sub>2</sub> Indoor Disinfection Technology into the mini split system, YORK Ultra brings healthy & fresh air indoors to you & your family! TiO<sub>2</sub> photocatalysts are both green and currently one of the **most effective disinfection solution** available today. The advanced photocatalytic oxidation is also being used by some government departments and space greenhouses in the western world.

## Nano-TiO<sub>2</sub> Indoor Disinfection Technology



YORK Nano-TiO<sub>2</sub> Indoor Disinfection Technology utilizes nano-grade TiO<sub>2</sub> photocatalytic oxidation to eradicate harmful substances in the air. The innovative process effectively kills all airborne bacteria, viruses and other harmful pathogens, and completely removes all offensive odors and hazardous airborne contaminants.



The following pathogens and pollutants will be safely and completely eliminated:

- Biological pathogens - bacteria, viruses, etc
- Organic contaminants - volatile organic compounds (VOCs) such as formaldehyde, benzene, etc
- Molds, Fungi, etc
- Inorganic gaseous pollutants - Nox, SOx, etc
- Smoke and offensive odors



Indoor unit

Remote control

YORK Nano-TiO<sub>2</sub> Indoor Disinfection Technology incorporates the following advantages:

- YORK is both a **pioneer** and **industry leader** in the use of nano-grade TiO<sub>2</sub> in airside systems for air conditioning;
- A **patent pending** on the application covering **125 countries** across the globe;
- Research results from the Detection Centre of Microbiology, Guangdong, PRC, show that its **disinfection efficiency** after 6 hours is well **over 95%**;
- The TiO<sub>2</sub> photocatalyst **kills bacteria**, and does not merely filter them;
- The photocatalytic reaction is **environmentally friendly**. Harmless CO<sub>2</sub> and H<sub>2</sub>O are the only by-products of photocatalytic oxidation. In addition, there is no consumption of the nano-grade TiO<sub>2</sub> substrate at all, since it only acts as a catalyst;
- Its long-life **nano-light lasts 10,000 hours** under normal conditions

# Specifications



Model	Indoor Unit Outdoor Unit	HLEA07 HLDA07	HLEA09 HLDA09	HLEA12 HLDA12	HLEA18 HLDA18	HLEA24 HLDA24	
TiO <sub>2</sub>		-	✓	✓	✓	✓	
<b>Performance</b>							
Cooling	Btu/h	7000	9000	12000	18000	24000	
	kW	2.1	2.6	3.5	5.3	7.0	
Air Flow Volume	m <sup>3</sup> /h	380	450	550	750	1050	
<b>Electrical Data</b>							
Voltage	V	220-240	220-240	220-240	220-240	220-240	
Frequency	Hz	50	50	50	50	50	
Phase	Ph	1	1	1	1	1	
Power Input	W	760	960	1230	1930	2750	
Operating Current	A	3.6	4.5	5.7	9.1	12.5	
<b>Dimension &amp; Weight</b>							
Indoor unit	W	mm	750	750	750	906	1080
	H	mm	250	250	250	286	330
	D	mm	188	188	188	235	222
Outdoor unit	W	mm	700	700	780	780	845
	H	mm	535	535	540	590	695
	D	mm	235	235	250	285	335
Net Weight	Indoor	kg	8.5	8.5	8.5	13.5	17
	Outdoor	kg	27	29	34	43	58
<b>Piping Connection</b>							
Liquid Side	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	
	(inch)	(1/4")	(1/4")	(1/4")	(1/4")	(3/8")	
Gas Side	mm	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ16.0	
	(inch)	(3/8")	(3/8")	(1/2")	(1/2")	(5/8")	

Rating Conditions	Cooling
Indoor Temperature	27°C DB/19°C WB
Outdoor Temperature	35°C DB/24°C WB

Remarks : The above design and specifications are subject to change without prior notice for product improvement.

## Flexibility

- Auto restart
- 24-hour on/off timer

## Health & Comfort

- Sleep mode auto control
- Independent dehumidification
- Two-directional air flow technology for fast cooling
- Ultra-quiet operation
- Automatic air sweep up & down evenly distributes airflow

## Improved Cost Effectiveness

- 4-bend heat exchanger expands heat-exchange area by 32%, improving efficiency
- Trapeziform inner copper allows the right amount of refrigerant to flow through, improving heat exchange efficiency and reducing power consumption
- High efficiency compressor and advanced hydrophilic fin heat exchanger for high efficiency and low cost of operation
- Hydrophilic aluminium fin for improved cooling

## Durability & Ease of Maintenance

- Durable outdoor unit made from electrolytic zinc steel sheet
- Built-in self-diagnosis function automatically detects errors
- Diagnosis information displayed clearly on LEDs



Outdoor Unit

National Theatre, Beijing, China • Paris • The Kremlin, Moscow, Russia • US Capitol Complex Washington D.C. • Kuala Lumpur City Centre • The Olympics • Eurotunnel • Sydney Opera House • Taipei 101 • Trans-Channel Eurotunnel • Hong Kong Convention and Exhibition Centre



## YORK is your choice

Founded in 1874, YORK is the world's largest independent supplier of heating, ventilating, air conditioning and refrigeration equipment.

Our wide breadth of product lines range from the smallest residential air conditioners to the largest chillers used to cool the tallest buildings, provide lifesupport systems in the deepest diving ocean submarines, and enable critical process cooling in the petrochemical, pharmaceutical and micro-electronics industries of the world.

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

Headquartered in Hong Kong, YORK Asia Pacific offices are located in Australia, India, Indonesia, Korea, Malaysia, New Zealand, Philippines, PRC, Singapore, Taiwan, Thailand and Vietnam.

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

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