



## Electrostatic Air Cleaners for Commercial and Industrial Applications



For a cleaner world...





# RY 2500A

Electrostatic Air Cleaner (Without Blower)



Industrial grade electrostatic air cleaner for collection of dry and wet particulates like dust, oil mist, cooking fumes etc.

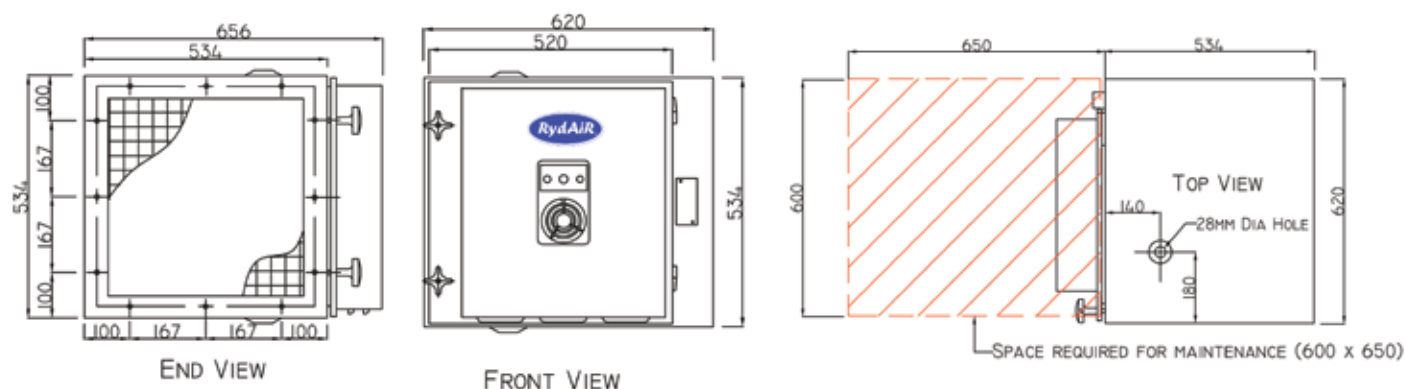
Typical application include Commercial kitchen exhaust, factories, workshops, CNC machine shops etc



## SPECIFICATIONS

Unit	H : 534mm, W : 656mm, L : 620mm	Controls	Auto cut-off switch when door is opened. Indicator lights for fault, normal or wash function
Cabinet	1.2mm Electro Galvanized Steel	Cell	H : 480mm, W : 340mm, L : 500mm Weight: 14.5 Kg Ionizing voltage: 12 KVdc Collector voltage: 6 KVdc Comprising 8 ionizing wires & 23 collection plates. Face Area is 0.24 sqm. Effective collection area is 4.1 sqm
Finishing	Powder Coated, Dark Blue	Power consumption	50 Watts max
Weight	40 Kg	Pre-filter	Aluminum mesh, washable
Air Volume	1700 to 2500 cmh	Installation	Ceiling suspended, wall or frame mounted
Air Flow	Left to Right, Right to Left	Options	Dry contact for Building Management System (BMS)
Static Pressure Reqd	80 to 100 Pascal		
Operating Voltage	220 Vac+/-10%, 50 Hz (Single phase)		
Features	Short circuit, arc protection and auto power restore for Power Pack		
Efficiency	Up to 95%, meets NIOSH 5026 Oil Mist Test (National Institute for Occupational Safety and Health)		
Particle Size	Collects particles as small as 0.01 microns		

## DIMENSIONS





# RY 5000

Electrostatic Air Cleaner (Without Blower)



Industrial grade electrostatic air cleaner for collection of dry and wet particulates like dust, oil mist, cooking fumes etc.

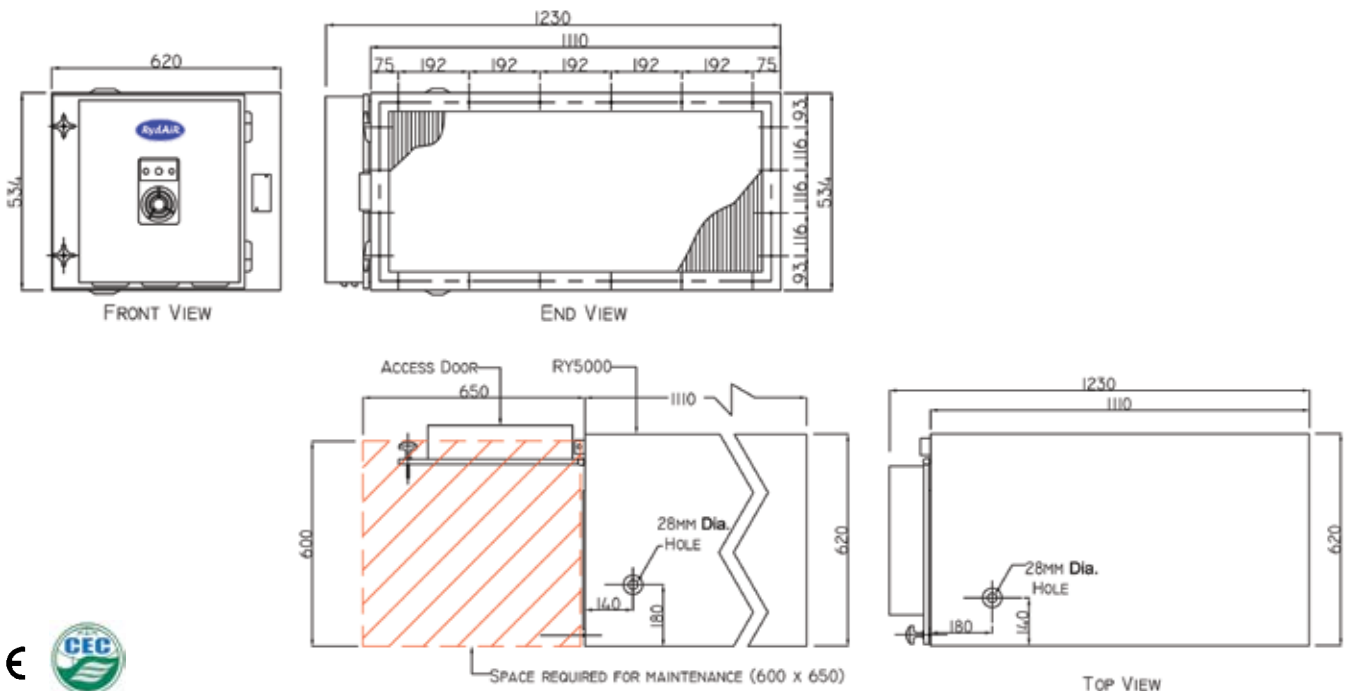
Typical application include Commercial kitchen exhaust, factories, workshops, CNC machine shops etc



## SPECIFICATIONS

Unit	H : 534mm, W : 1230mm, L : 620mm	Controls	Auto cut-off switch when door is opened. Indicator lights for fault, normal or wash function
Cabinet	1.2mm Electro Galvanized Steel	Cell	H : 480mm, W : 340mm, L : 550mm Weight: 15 Kg each Ionizing voltage: 12 KVdc Collector voltage: 6 KVdc Uses 2 cells, each cell comprising of 9 ionizing wires & 25 collection plates. Total face Area is 0.528 sqm. Effective collection area is 11.6 sqm
Finishing	Powder Coated, Dark Blue	Power consumption	75 Watts (2 cells)
Weight	70 Kg	Pre-filter	Aluminum mesh, washable
Air Volume	5000 cmh	Installation	Ceiling suspended, wall or frame mounted
Air Flow	Left to Right, Right to Left	Options	Dry contact for Building Management System (BMS)
Static Pressure Req'd	100 Pascal		
Operating Voltage	220 Vac+/-10%, 50 Hz (Single phase)		
Features	Short circuit, arc protection and auto power restore for Power Pack		
Efficiency	Up to 95%, meets NIOSH 5026 Oil Mist Test (National Institute for Occupational Safety and Health)		
Particle Size	Collects particles as small as 0.01 microns		

## DIMENSIONS







# RY 7500A

Electrostatic Air Cleaner (Without Blower)



Industrial grade electrostatic air cleaner for collection of dry and wet particulates like dust, oil mist, cooking fumes etc.

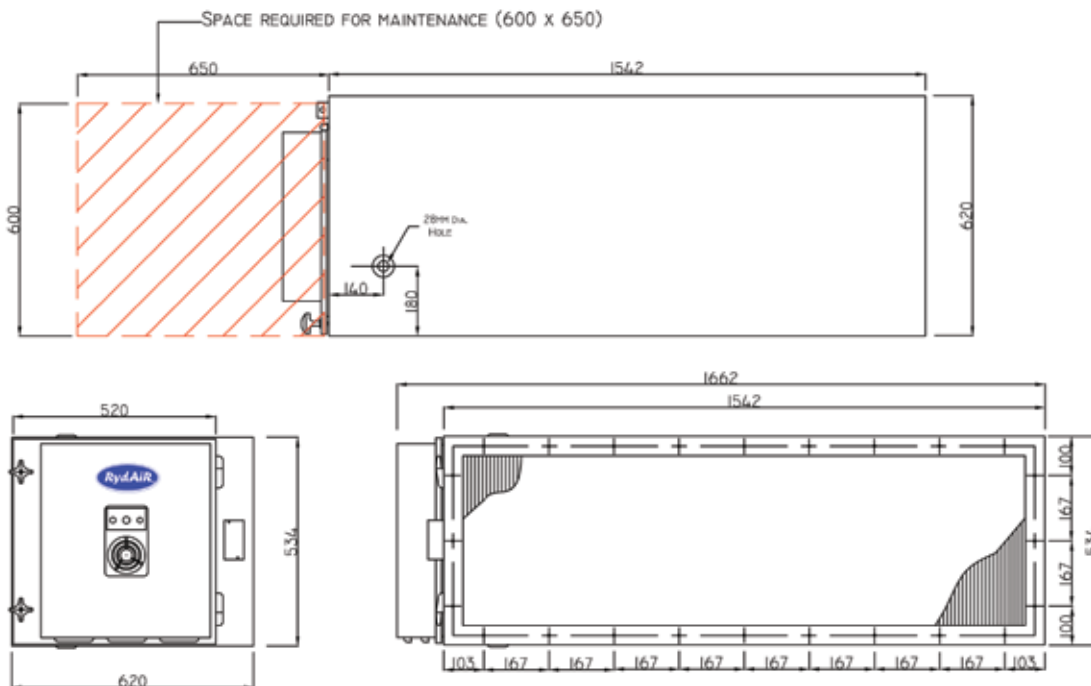
Typical application include Commercial kitchen exhaust, factories, workshops, CNC machine shops etc



## SPECIFICATIONS

Unit	H : 534mm, W : 1662mm, L : 620mm	Safety	Auto power cut-off when door is opened.
Cabinet	1.2 mm Electro Galvanized Steel	Indicators	LED lights for Normal, Wash or Fault, Indications
Finishing	Powder Coated, Dark Blue	Cell / Each	H : 480mm, W : 340mm, L : 500mm Weight: 14.5 Kg Ionizing voltage: 12 KVdc Collector voltage: 6 KVdc Uses 3 cells, each comprising of 8 tungsten ionizing wires and 23 collection plates. Total face Area is 0.72 sqm. Effective collection area is 12.29 sqm.
Weight	120 Kg	Power consumption	115 Watts (3 cells)
Air Volume	7500 cmh	Pre-filter	Aluminum mesh, washable
Air Flow	Left to Right, Right to Left	Installation	Ceiling suspended, wall or frame mounted
Static Pressure Req'd	100 Pascal	Options	Dry contact for Building Management System (BMS)
Operating Voltage	230 Vac +/- 10%, 50/60 Hz (Single phase)		
Features	Short circuit, arc protection and auto restore power pack		
Efficiency	Up to 95%, meets NIOSH 5026 Oil Mist Test (National Institute for Occupational Safety and Health)		
Particle Size	Collects particles as small as 0.01 microns		

## DIMENSIONS





# RB 1000

Electrostatic Air Cleaner (With Blower)



Industrial grade electrostatic air cleaner for collection of dry and wet particulates like dust, oil mist, cooking fumes etc.

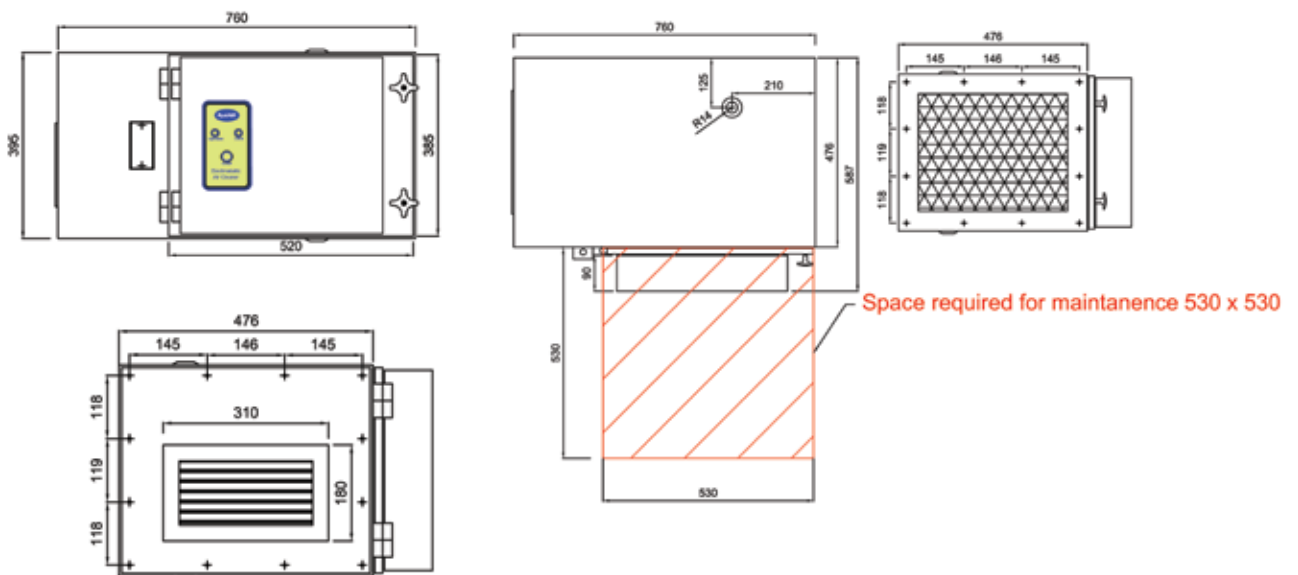
Typical application include Commercial kitchen exhaust, factories, workshops, CNC machine shops etc

## SPECIFICATIONS

Unit	H : 395mm, W : 587mm, L : 760mm
Cabinet	1.0 mm Electro Galvanized Steel
Finishing	Powder Coated, Dark Blue
Weight	50 Kg
Air Volume	800-1000 cmh
Air Flow	Left to Right, Right to Left
Operating Voltage	220 Vac +/- 10%, 50 Hz (Single phase)
Features	Short circuit, arc protection with auto power restore for Power Pack
Motor	0.38 HP, 1690 RPM, 1.3 amp, 285 W.
Blower Fan	Centrifugal forward curved impeller, 80 pa external static pressure @ 1000cmh
Efficiency	Up to 95%, meets NIOSH 5026 Oil Mist Test (National Institute for Occupational Safety and Health)

Particle Size	Collects particles as small as 0.01 microns
Cell	H : 330mm, W : 320mm, L : 470mm Weight: 11 Kg each Ionizing voltage: 12 KVdc Collector voltage: 6 KVdc One cell comprising of 7 ionizing wires & 21 collection plates power. Face Area is 0.155 sqm Effective collection area is 2.9 sqm
Power consumption	50 Watts max
Controls	Auto cut-off switch when door is opened. Indicator lights for fault, normal or wash function
Pre-filter	Aluminum mesh, washable
Installation	Ceiling suspended, wall or frame mounted
Options	Dry contact for Building Management System (BMS)

## DIMENSIONS





# RB 2400

Electrostatic Air Cleaner (With Blower)



Industrial grade electrostatic air cleaner for collection of dry and wet particulates like dust, oil mist, cooking fumes etc.

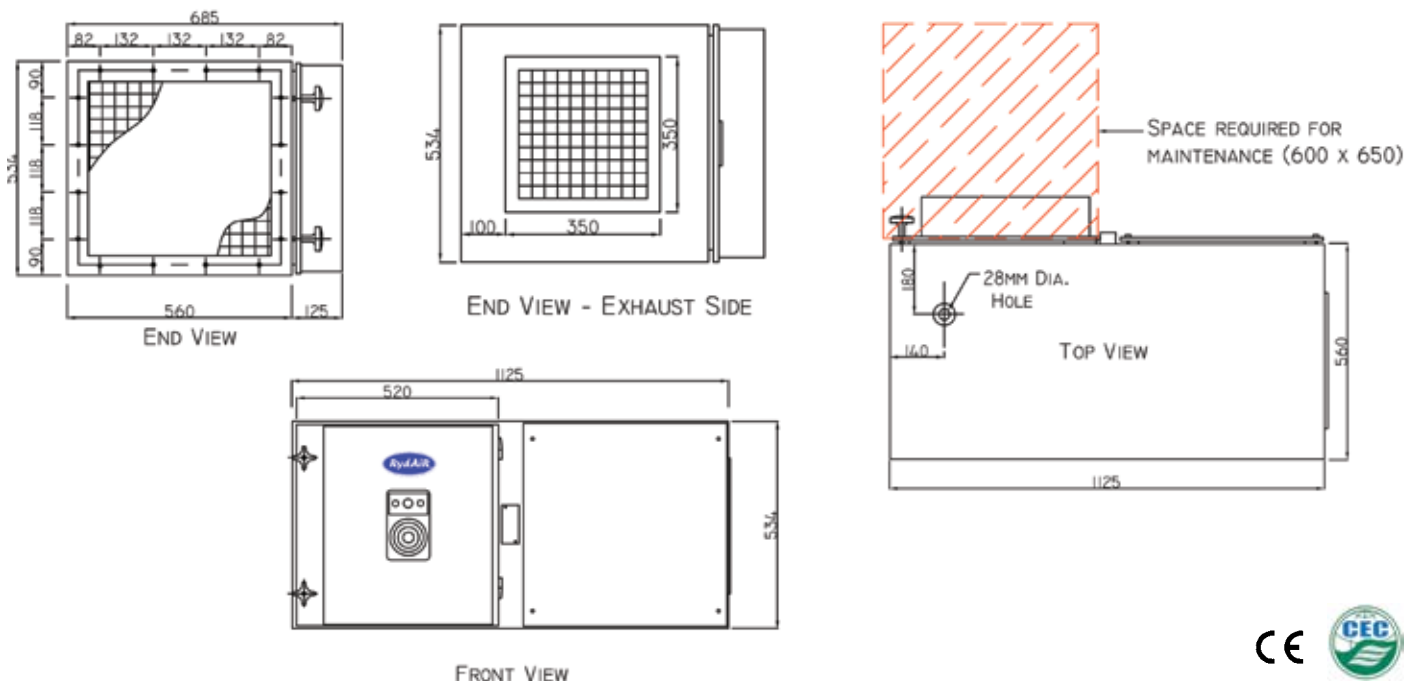
Typical application include Commercial kitchen exhaust, factories, workshops, CNC machine shops etc



## SPECIFICATIONS

Unit	H : 534mm, W : 685mm, L : 1125mm	Blower Fan	Centrifugal forward curved impeller, 130pa external static pressure @ 2400 cmh (Factory Default)
Cabinet	1.2 mm Electro Galvanized Steel	Cell	H : 480mm, W : 340mm, L : 550mm Weight: 15 Kg Ionizing voltage: 12 KVdc Collector voltage: 6 KVdc One cell comprising of 9 ionizing wires and 25 collection plates. Face Area is 0.264 sqm Effective collection area is 5.8 sqm cell plate
Finishing	Powder Coated, Dark Blue	Power consumption	50 Watts max
Weight	95 Kg	Controls	Auto cut-off when door is opened. Indicator lights for fault, normal or wash function
Air Volume	2400 cmh	Pre-filter	Aluminum mesh, washable
Air Flow	Left to Right, Right to Left	Installation	Ceiling suspended, wall or frame mounted
Operating Voltage	220 Vac +/- 10%, 50 Hz (Single phase)	Options	Dry contact for Building Management System (BMS)
Features	Short circuit, arc protection with auto power restore for Power Pack		
Efficiency	Up to 95%, meets NIOSH 5026 Oil Mist Test (National Institute for Occupational Safety and Health)		
Particle Size	Collects particles as small as 0.01 microns		
Motor	1.5 HP, 2850 RPM, 7.5 amp Max 1.1 KW, TEFC sealed ball bearings UL, single phase.		

## DIMENSIONS







# RB 4800

Electrostatic Air Cleaner (With Blower)



Industrial grade electrostatic air cleaner for collection of dry and wet particulates like dust, oil mist, cooking fumes etc.

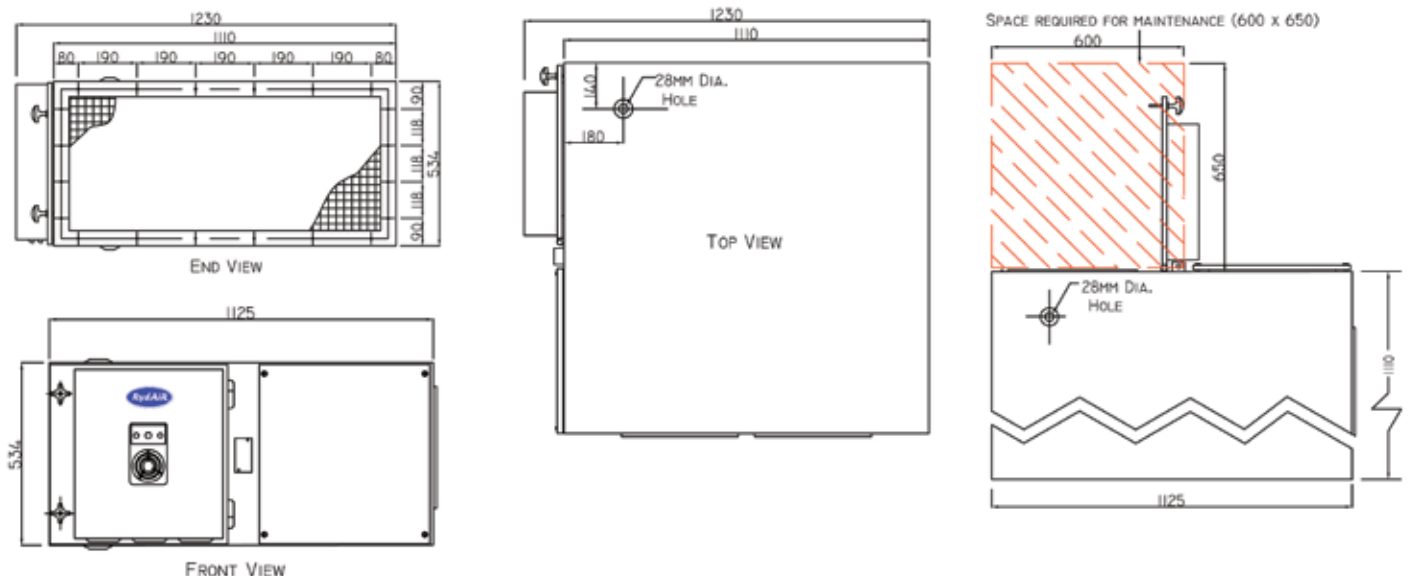
Typical application include Commercial kitchen exhaust, factories, workshops, CNC machine shops etc



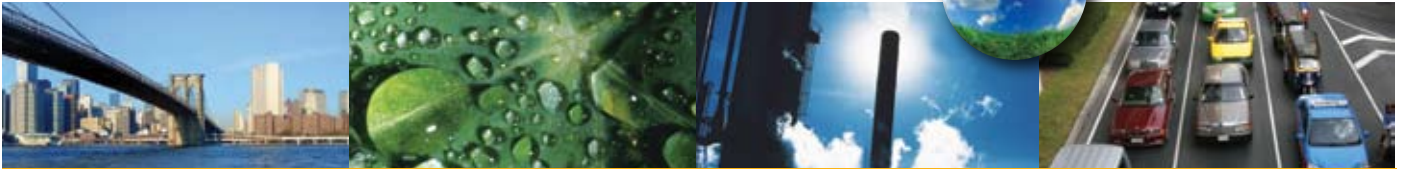
## SPECIFICATIONS

Unit	H : 534mm, W : 1230mm, L : 1125mm	Blower Fan	Centrifugal forward curved impeller 130pa external static pressure @ 4800 cmh (Factory Default)
Cabinet	1.2mm Electro Galvanized Steel	Cell / Each	H : 480mm, W : 340mm, L : 550mm Weight: 15 Kg Ionizing voltage: 12 KVdc Collector voltage: 6 KVdc Two cells, each cell comprising of 9 ionizing wires and 25 collection plates. Total face Area is 0.528 sqm. Effective collection area is 11.6 sqm cell plate
Finishing	Powder Coated, Dark Blue	Power consumption	75 Watts (2 cells)
Weight	145 Kg	Pre-filter	Aluminum mesh, washable
Air Volume	4800 cmh	Installation	Ceiling suspended, wall or frame mounted
Air Flow	Left to Right, Right to Left	Options	Dry contact for Building Management System (BMS)
Operating Voltage	220 Vac+/-10%, 50 Hz (Single phase)		
Features	Short circuit, arc protection and auto restore power pack		
Efficiency	Up to 95%, meets NIOSH 5026 Oil Mist Test (National Institute for Occupational Safety and Health)		
Particle Size	Collects particles as small as 0.01 microns		
Motor	1.5 HP, 2850 RPM, 7.5 amp Max, 1.1 KW, TEFC seated ball bearings, UL, single phase		

## DIMENSIONS



For a cleaner world...



## ELECTROSTATIC AIR CLEANERS

RydAiR Electrostatic Air Cleaners help businesses keep the pollutants they generate in check so that employees have a better and healthier working environment as well as ensuring that neighbours are not inconvenienced with bad air around them. A clean environment will generate lots of goodwill among neighboring businesses or residences.

RydAiR Electrostatic Air Cleaners can be easily configured and incorporated into various types of exhaust systems of businesses like factories, workshops, restaurants etc.

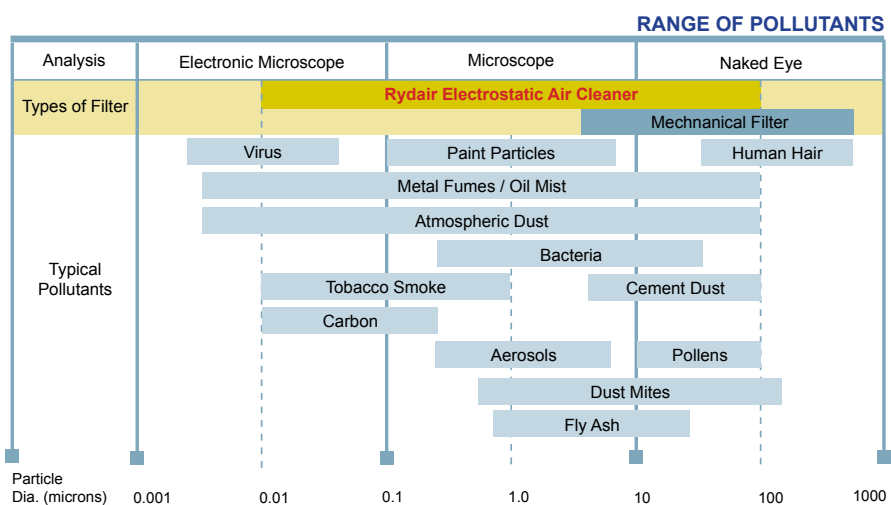
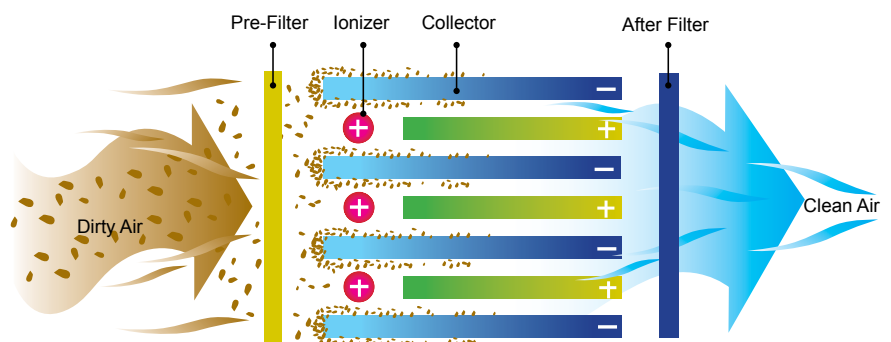
Pollutants captured by RydAiR Electrostatic Air Cleaners include welding smoke and fumes, oil mist, smoke and dust, solder fumes, diesel fumes, cooking fumes and many other contaminants. RydAiR Electrostatic Air Cleaners provides an effective, low maintenance air cleaning solutions for many situations.

## FEATURES AND BENEFITS OF RYDAiR R-SERIES ELECTROSTATIC AIR CLEANERS

- Heavy duty collection cells, durable and long lasting
- High efficiency, low maintenance and replacement cost
- Cell weight of only 15 kg makes for easier handling
- R-Series Blowerless units are modular by design and can be stacked for added capacity
- RB-Series can be installed for cleaning and re-circulating indoor air
- State of art power supply has option for BMS feature in monitoring unit's performance

## HOW RydAiR ELECTROSTATIC AIR CLEANERS WORK

Contaminated air is drawn by the motor/blower through a washable metal mesh pre-filter which traps large dust particles. The remaining particles, some as small as 0.01 microns, pass into a strong electrical field (ionizing section) where the particulate receives an electrical charge. The charged particles then pass into a collector plate section made up of a series of equally spaced parallel plates. Each alternate plate is charged with the same polarity as the particles, which repel, while the interleaving plates are grounded, which attract and collect the contaminants. The contaminants are held in these plates until they are washed away. RydAiR Electronic Air Cleaners traps both wet and dry particulates.



www.rydair.com

The RydAir Brand is owned by Clean Air Resources Pte Ltd, Singapore