

# VENTILATION CATALOGUE - 2025



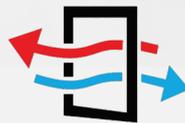
## FOR BETTER AIR



### ADVANCED AIR SOLUTIONS



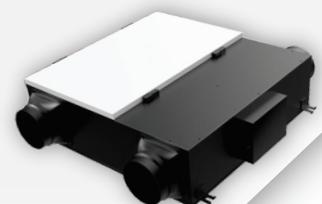
Purification



Ventilation



Heat Recovery



# Importance of Indoor Air Quality

Indoor air quality (IAQ) is critically important for both physical and mental health, as we typically spend a significant portion of our time indoors, whether at home, at work, or in other indoor environments. The quality of the air indoors can directly affect a person's overall well-being, comfort, and productivity.

Indoor air can be filled with pollutants like particulate matter (PM<sub>2.5</sub>), volatile organic compounds (VOCs), mold, and carbon dioxide. These pollutants can cause a range of health issues, from headaches and dizziness to chronic respiratory problems, asthma, and even heart disease. Vulnerable groups such as children, the elderly, and those with existing health conditions are particularly at risk.

In fact, the more polluted or contaminated the air we breathe, the higher the risk of developing respiratory diseases, allergies, and even cardiovascular issues over time. Hence, ensuring good indoor air quality is just as essential as drinking clean water and eating nutritious food.



We Breathe More Air Than We Drink Water or Eat Food\*On average, a person breathes in approximately **11,000 liters (about 3,000 gallons) of air per day**—far more than the amount of water or food we consume:

- **Water:** The average person drinks around 2-3 liters of water daily.
- **Food:** The average daily food intake is about 1-2 kilograms (2-4 pounds).

This comparison highlights just how much we rely on clean, breathable air. Given that we inhale air continuously throughout the day, the quality of that air has a direct impact on our health. Pollutants, allergens, and other harmful particles in the air can accumulate in the lungs and respiratory system, contributing to a variety of health issues.

Improving IAQ involves increasing ventilation, controlling humidity, removing harmful chemicals, and using air purifiers.



By improving the air we breathe, we can enhance our comfort, productivity, and long-term health. In a world where air quality impacts our daily lives, prioritizing IAQ is essential for overall well-being.



Homes



Restaurants



Living Room



Malls



Office



INTELLIFAN

# In-Line Series



## Advantage

### Energy Efficient

The pure copper energy-saving motor with high-quality ball bearings, the overall optimization of the cabinet and air duct, the operation is low-noise and stable, and the air flow is long-lasting.

### Highly Durable

Made of high-quality PP material, it is strong and compressive, not easy to deform and dent, not easy to be corroded and rusted

### Flexible Installation

Can be used in a wide range of occasions. Selected and matched with other duct fans according to the ventilation requirements of the different places

### Easy Maintenance

The fan is compact and small, and the structure is simple. It only needs to ceiling on the top and take over the duct, which greatly improves the ventilation efficiency



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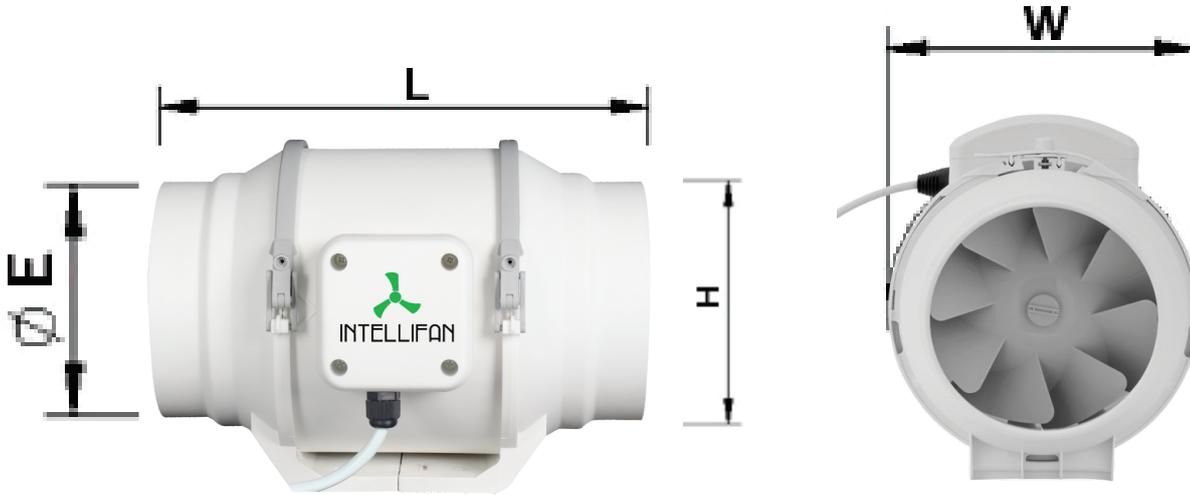


Office



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## Size parameters



Model	L	W	H	ΦE
IN ID-100P	257	180	215	99
IN ID-125P	257	180	215	122
IN ID-150P	302	210	245	148
IN ID-200P	302	230	270	198
IN ID-250P	390	280	310	248
IN ID-315P	450	320	413	313

Model	Voltage (v-Hz)	Speed	Power (W)	Air Flow (m3/h)	Static Pressure (Pa)	Noise (dB)	Size Φ(mm)	Kg
IN ID-100P	220-50	H	40	204	132	31	Φ100	1.55
		L	30	160	106	26		
IN ID-125P	220-50	H	45	260	150	32	Φ125	1.65
		L	38	180	120	28		
IN ID-150P	220-50	H	60	450	280	33	Φ150	2.5
		L	48	360	240	29		
IN ID-200P	220-50	H	145	840	350	63	Φ200	3.1
		L	125	690	270	55		
IN ID-250P	220-50	/	230	1400	489	66	Φ250	7.5
IN ID-315P	220-50	/	360	2200	690	69	Φ315	10.4



Homes



Restaurants



Living Room



Malls



Office



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## Round In-Line Series

# Your Ultimate ventilation Solution

“High performance in-line extractor with ultra quiet turbine fan designed for ducted ventilation suitable for both residential and commercial use.”

## Features

- Powerful air flow
- Durable build.
- Versatile applications.
- Without speed controller.

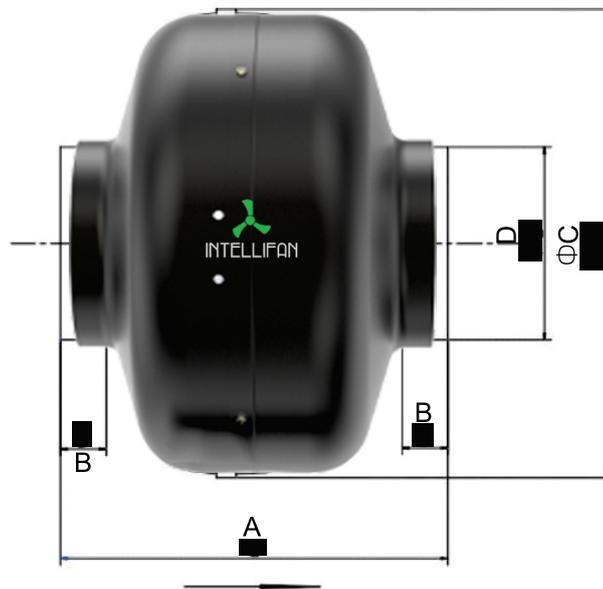




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## Size parameters

Model	A	B	C	ΦD
IN C10-25B	195	30	237	98
IN C12-35B	195	30	237	123
IN C15-45B	238	30	326	148
IN C16-45B	240	30	326	158
IN C20-46B	224	30	326	198
IN C25-66B	224	30	326	248
IN C31-66B	240	30	396	313



Model	Voltage (v-Hz)	Power (W)	Air Volume (m <sup>3</sup> /h)	Static Pressure (Pa)	Noise (dB)	Duct Diameter (mm)	Applicable Area (m <sup>2</sup> )	Packing Size (cm)	Kg
IN C10-25B	220-240	61	300	377	62	100	12-16	31*31*25	3.5
IN C12-35B	220-240	62	385	339	61	125	16-21	31*31*25	3.5
IN C15-45B	220-240	88	700	399	66	150	29-38	40*40*29	5
IN C16-45B	220-240	91	760	352	67	160	31-42	40*40*29	5
IN C20-46B	220-240	168	1165	594	70	200	48-64	40*40*29	5.8
IN C25-66B	220-240	185	1255	596	70	250	52-69	40*40*29	5.9
IN C31-66B	220-240	223	1740	720	76	15	72-96	46*43.5*32	7



# Fresh Air Series

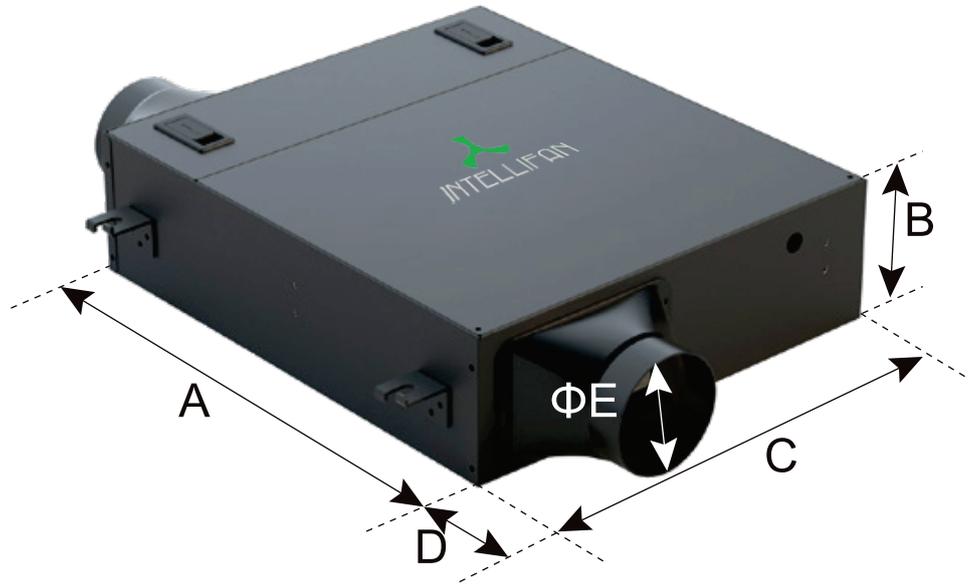


## Features

- Metal Filter remove large particles, small insects & pollens. Pre-Filter efficiency up to 90%, filters particles such as mold & spores.
- HEPA Filter H11 grade efficiency up to 95%, filters such as virus.
- Carbon Activated Filter to absorb formaldehyde, benzene, radon & harmful chemical.
- Negative Ion Filter attach to positively charged particles in the room, such as dust, bacteria, pollen, smoke, and other

Slim Silent Fresh Air Supply with quadruple filtration system. Performing in an energysaving, low noise and compact designed structure.

# Product Specification



Model	A	B	C	D	ΦE
IN HFF10-35J	367	120	420	88	100
IN HFF15-45J	367	200	420	88	150
IN HFF20-55J	367	250	420	88	200

Model	Voltage	Speed	Power	Air Volume	Static Pressure	Noise	Duct Diameter
IN HFF10-35J	220V-50Hz	H/L	45W	180m <sup>3</sup> / h	160Pa	31dB	φ100mm
		H/L	30W	120m <sup>3</sup> / h			
IN HFF15-45J	220V-50Hz	H/L	75W	450m <sup>3</sup> / h	210Pa	38dB	φ150mm
		H/L	55W	350m <sup>3</sup> / h			
IN HFF20-55J	220V-50Hz	H/L	115W	750m <sup>3</sup> / h	300Pa	42dB	φ200mm
		H/L	85W	550m <sup>3</sup> / h			



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Living Room



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Office



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# Energy Recovery ventilator



## Features

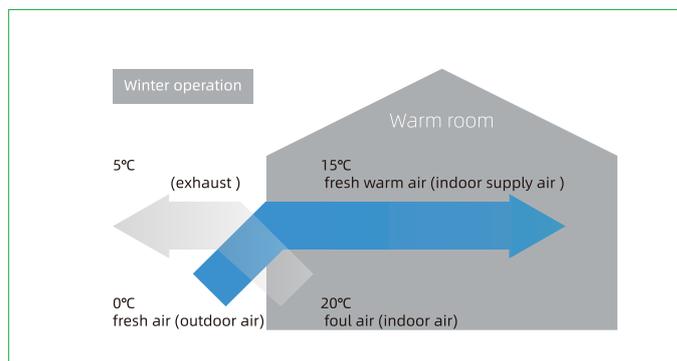
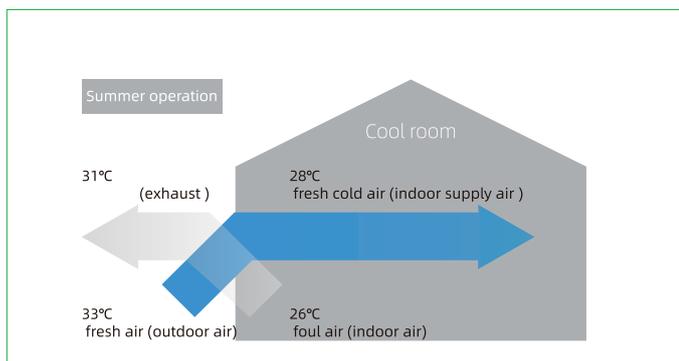
- Heat exchanger rate with up to 90%
- Internal acoustic cotton to reduce noise level.
- Low-consumption motor.
- Centrifugal forward curved impeller.
- Galvanised sheet steel body.
- 4 nozzles Ø100 mm. / Ø150 mm. / Ø200 mm

Low energy whole house heat recovery unit with a high-efficiency heat exchanger (up to 90%) to provide a constant supply of fresh tempered air into the living spaces.



# Efficient energy recovery concept

INTELLIFAN



When the air-conditioning is turned on in summer, the energy of the cold air discharged from the room is used to pre-cool the hot air outside and then sent to the room, and the indoor cooling loss is decreasing.

When heating air conditioning is turned on in winter, the energy of warm air exhausted from the room is used to preheat the cold air outside before sending it into the room, the indoor heat loss is decreasing.



heat exchanger core advantages



1 long life washable



2 healthy mildew and antibacterial



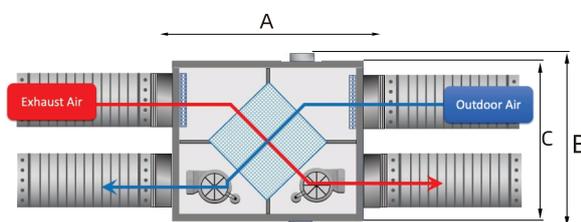
3 stability high enthalpy efficiency



4 air tightness no wind messy

## Product Specification

Model	A	B	C	D	ΦE	F	G
IN ERV-150	824.2	752	704.6	702.8	96	160.8	181.7
IN ERV-350	853.2	752	704.6	702.8	146	196.3	217.2
IN ERV-500	880.2	752	704.6	702.8	200	245.8	266.7



Model	Voltage	Speed	Power	Air Volume	Static Pressure	Noise
IN ERV-150	220V/50Hz 120V/60Hz	High	70W	150 3/h	195Pa	38dB
		Low	60W	100m <sup>3</sup> / h	155Pa	36dB
IN ERV-350	220V/50Hz 120V/60Hz	High	160W	350m <sup>3</sup> / h	285Pa	42dB
		Low	140W	250m <sup>3</sup> / h	270Pa	40dB
IN ERV-500	220V/50Hz 120V/60Hz	High	200W	550m <sup>3</sup> / h	300Pa	43dB
		Low	180W	400m <sup>3</sup> / h	280Pa	41dB



# Filter Box Series



**Pre- Filter**

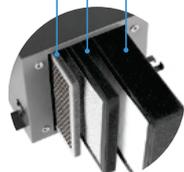
filters particles such as mold & spores

**Activated carbon filter**

selected high-quality granular activated carbon, which can effectively eliminate indoor odor and formaldehyde, and keep indoor air fresh and clean.

**HEPA filter**

through high-density filter, filter dust, smoke and PM2.5 in the air.



Model	Duct Size	Dimensions (LxWxH)	Primary effect filter	Activated carbon filter	HEPA filter
IN FB-100	Φ100mm	300x200x200mm	295x170x10mm	205x170x20mm	285x170x50mm
IN FB-150	Φ150mm	300x200x200mm	295x170x10mm	295x170x20mm	285x170x50mm
IN FB-200	Φ190mm	430x300x300mm	425x270x20mm	425x270x20mm	425x270x50mm
IN FB-250	Φ240mm	430x300x300mm	425x270x20mm	425 x2.7x20mm	425x270x50mm



# Single Room Heat Recovery Unit



Supply clean fresh air to the premises



Low noise level



Low energy demand



Clean intake air from dust, insects, exhaust fumes



Prevent penetration of excessive humidity and appearance of mould

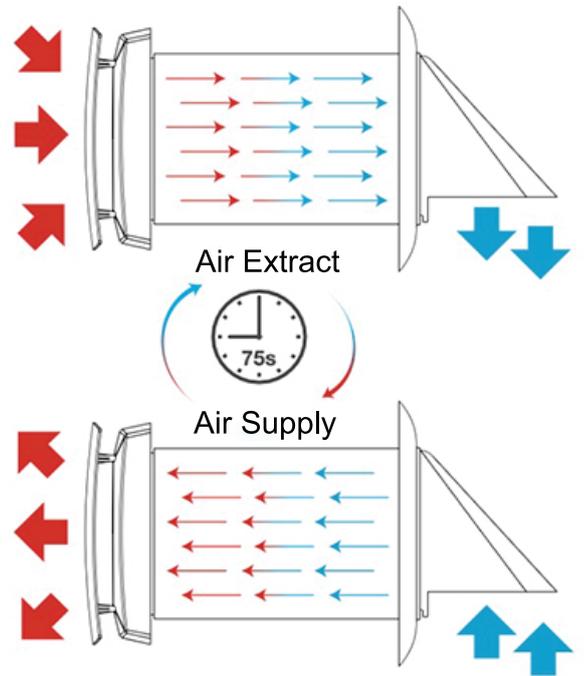


Recover heat and provide indoor humidity balance

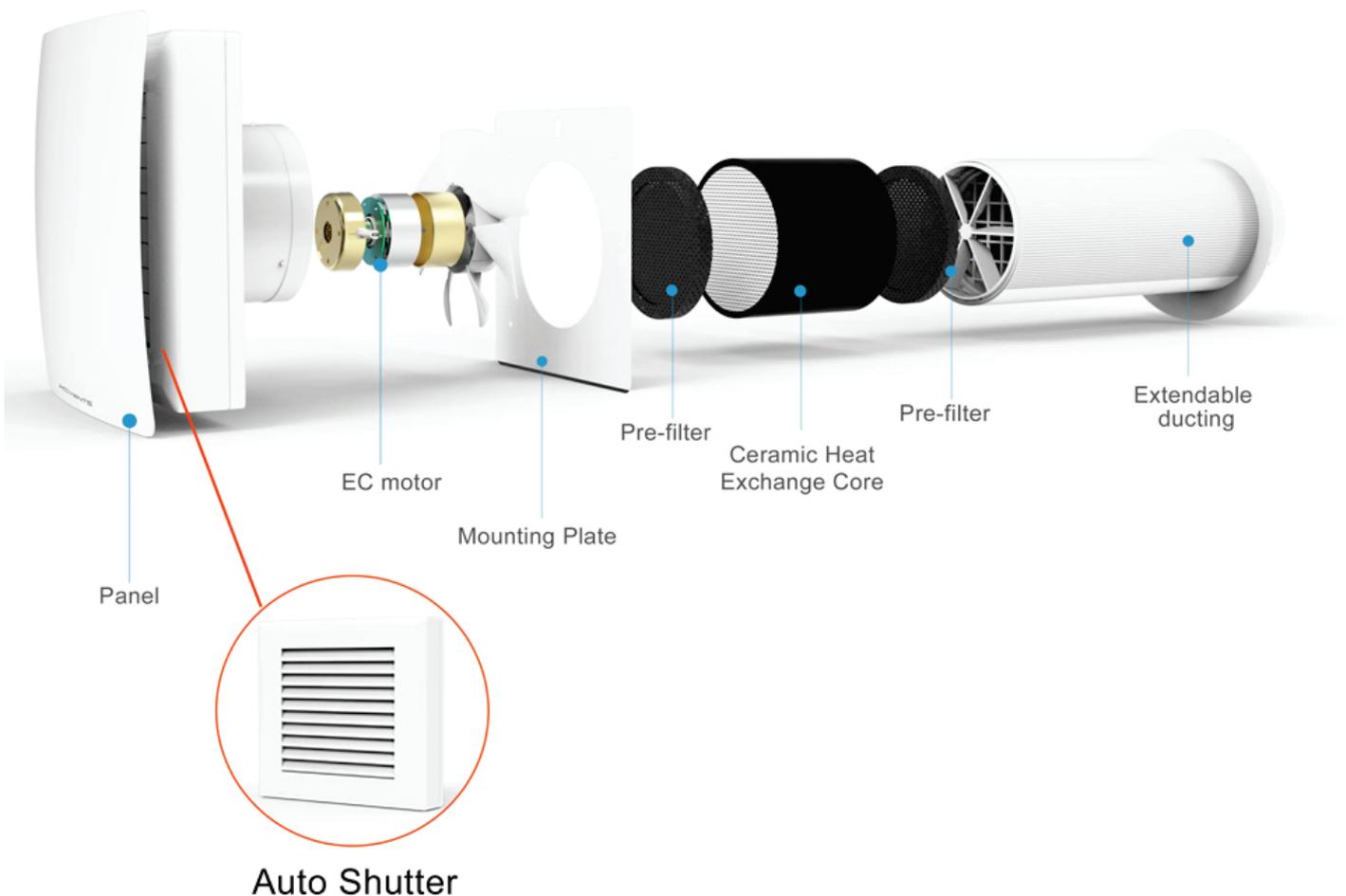
## Operation modes

● **Ventilation Mode.** The ventilator runs in the air extract or air supply mode with a set speed. In case of synchronous operation of two connected ventilators one unit operates in the supply mode and the other one in the extract mode.

● **Regeneration Mode.** The ventilator runs in two cycles, 75 seconds each, to provide heat and moisture regeneration.



## Structure





Homes



Restaurants



Living Room



Malls



Office



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# Single Room Heat Recovery Ventilator

## TECHNICAL SPECIFICATIONS

Ventilation Rates	28/32/35 CFM
Heat Recovery Efficiency	up to 90%
Humidity Recovery	20-30%
Specific Fan Efficiency	0.06-0.17 W/cfm
Ventilation System Efficiency	0.10 Wh/m <sup>3</sup>
Filter	G3 or optional HEPA
Sound Levels	20.0 dB/ 24.0 dB /30.0 dB
Diameter Unit	150 mm
Exterior Tube Diameter	163 mm
Wall Thickness	standard: 250 mm-450mm
Installation Tube (can be cut)	250 mm to 450 mm
Inside Cover	242 mm x 242 mm

# BLDC Ceiling Fan



## ADVANTAGE

### BLDC Technology



Saves upto 65% energy



Runs 3 times longer on inverter battery



Smart control features



Wide operating voltage



Homes



Hospitals



Living Room



Schools



Office



Warehouses



# INTELLIFAN

## BLDC Ceiling Fans

### NEO

BLDC Technology Fan



High air delivery



Aerodynamic & slim design



Very silent operation



Superior finish



Sweep size  
1200mm



RPM (Max)  
380



Available with  
Remote /  
regulator

### Intell Air 1

BLDC Technology Fan



High air delivery



Aerodynamic & slim design



Very silent operation



Superior finish



Sweep size  
1200mm



RPM (Max)  
380



Available with  
Remote /  
regulator

### Bloom

BLDC Technology Fan



High air delivery



Aerodynamic & slim design



Very silent operation



Superior finish



Sweep size  
1200mm



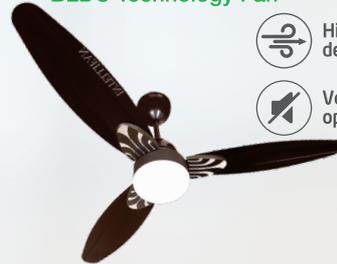
RPM (Max)  
380



Available with  
Remote /  
regulator

### Moonlight

BLDC Technology Fan



High air delivery



Aerodynamic & slim design



Very silent operation



Superior finish



Sweep size  
1200mm



RPM (Max)  
380



Available with  
Remote /  
regulator



Lighting  
Dimmable  
3 color light  
(CW,NW,WW)

### Moonlight 6B

BLDC Technology Fan



High air delivery



Aerodynamic & slim design



Very silent operation



Superior finish



Sweep size  
1200mm



RPM (Max)  
310



Lighting  
Dimmable  
3 color light  
(CW,NW,WW)



Available with  
Remote /  
regulator

### Intell Air 2

BLDC Technology Fan



High air delivery



Aerodynamic & slim design



Very silent operation



Superior finish



Sweep size  
1400mm



RPM (Max)  
300



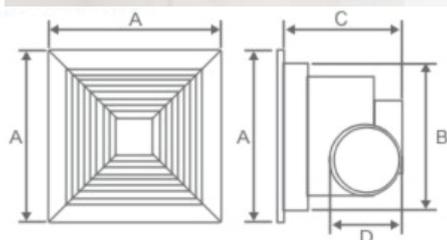
Available with  
Remote /  
regulator



# Ceiling Mounted Exhaust Fan



- Easy installation
- Multiple front panel designs
- Quiet and efficient performance with competitive pricing
- high quality copper motor with centrifugal impeller
- suitable for mounting in kitchen, bathroom and bedroom



Model	Product (mm)	size (in)	Size(mm) A/B/C/D	Opening size size (mm)	Prower (W)	Airflow (m <sup>3</sup> /h)	Voltage (V/H)	Speed (r/min)	Noise (dB)
BPT-20	200	8	245/200/140/100	200x200	30	120	220/50	1130	40
BPT-25-1	250	10	297/245/140/100	250x250	35	150	220/50	1250	42



Homes



Restaurants



Living Room



Malls



Office



INTELLIFAN

# Exhaust Fan



- Strong suction smoke exhaust
- 2800r/min, high-speed pure copper motor
- Resistant to high temperature and corrosion
- Thickened dense mesh
- Direct suction and exhaust, rejecting oil fume reflux



6 inch



8 inch



10 inch



12 inch

Model	Front Panel Size	Power	Air Volume	Rear Diameter	Recommended Space
6 inch	190 × 190 mm	60W	780 m <sup>3</sup> /h	150 mm	5 m <sup>2</sup>
8 inch	250 × 250 mm	80W	1300 m <sup>3</sup> /h	200 mm	10 m <sup>2</sup>
10 inch	300 × 300 mm	100W	2100 m <sup>3</sup> /h	250 mm	15 m <sup>2</sup>
12 inch	350 × 350 mm	120W	3000 m <sup>3</sup> /h	300 mm	20 m <sup>2</sup>

"The quality of the air we breathe indoors plays a crucial role in our physical and mental health, comfort, and well-being. By addressing indoor air quality through proper ventilation, reducing pollutants, and maintaining healthy indoor environments, we can prevent many of the negative health outcomes associated with poor IAQ and create a healthier living or working space."



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