

dosco
FANPIA

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DOSCO co., LTD

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HISTORY

- 1972.01 Establishment of Dongsung Enterprise Company
- 1987.02 Establishing a corporation of DOSCO Industry Co., Ltd.
- 1992.01 New plant in Hongseong, South Chungcheong Province
- 1998.07 Acquisition of KS Indication and Certification (KS) for Korean Industry
- 1999.01 Merger of DOSCO Industry Co., Ltd. and Dongsung Enterprise Co., Ltd. ·1999.02 Korea Industrial Standards Indication Certification (KS) Acquisition, Centrifugal Type
- 2003.05 GLO Version FAN Development and Launch(Multi-functional FAN wind control and sensors of new technology, negative ions) ·2005.07 Integration of production plant and headquarters (Seongnam, Gyeonggi-do) ·2007.12 Installing the wind test device (in the laboratory): Measurement of static pressure and wind volume
- 2009.07 Acquiring a certificate from a research and development department
- 2010.09 Selection of promising small and medium-sized enterprises in Gyeonggi-do ·2010.11 Acquire the Small and Medium Business (INNO-BIZ) Certificate for Technology Innovation
- 2011.04 Acquiring a confirmation letter for venture companies (Small and Medium Business Corporation)
- 2011.12 Obtain ISO9001 / ISO14001 Certificate
- 2012.12 SMT500 Accreditation for High Efficiency Certification Equipment
- 2013.01 CE Certification Acquisition (Costa/European Standard)
- 2017.01 Integrated lighting, development of fixed pressure팬, registration of chair ·2017.10 Gyeonggi Province Governor's Commendation for Best Entrepreneurship ·2018.09 Application of Ceiling Embedded Ventilation System
- 2019.06 Development of an Active Fixed Pressure Indoor Ventilation System Based on CPS and registration of utility models
- 2020.02 Accreditation of a Certificate of Excellence in Technology Evaluation

DOSCO Industrial Co., Ltd. pioneered the technology field of small ventilator for the first time in Korea, established in 1987.

We have been supplying a number of products to residential spaces such as apartments and officetels, and the problem of indoor ventilation has recently emerged.

We are speeding up the development of fixed pressure impeller and BLDC motor that meet the odor backflow and construction company standards.

We will present a new standard for the ventilation system market and we are preparing for a new challenge for the 33rd anniversary of its foundation this year. It retains the management ideology of "Maintaining a healthy and pleasant indoor environment" and has the best technology, the best quality, and the best consumer satisfaction.

We will be DOSCO Industry Co., Ltd. that contributes to the promotion of national health through management goals. Thank you.

CEO **Lee Sun**









Definition of ventilation





Ventilation said, "Residents intend to improve the environment, such as cleaning the indoor air or improving the thermal environment. The term "replacement of indoor and outdoor air" In order to do so, it is necessary to have indoor and outdoor facilities. If the force of the system is applied, it is called mechanical ventilation or forced ventilation. Especially for buildings with air-conditioning facilities, ventilation carried out for the purpose of improving indoor air quality "outside air intake" Thus, the external air introduced is referred to as the "involvement and out-of-the-box." Energy section when indoor harmonizers are usually performed in air conditioning facilities. To supply air by mixing exhaust air from indoor air at a certain rate without 100% introduction to indoor air for the purpose of medicine. Some adopt methods. In this case, the mixture of outdoor introduction and exhaust from indoor space is referred to as "ventilation" and the amount "ventilation". There are some cases called ryang, but this is simply called "quickness." The term "ventilation capacity" is pure "outdoor air intake" or "out-of-air air mass," excluding recirculated air volume from the air supply. also Natural ventilation is the case of natural forces, such as wind and indoor and outdoor temperature differences, not by mechanical forces. This requires attention because it is easily confused with an infiltration or an exfiltration.




A fan of Jeong Pung-ryang?

A dedicated fan, usually a bathroom or kitchen, designed to maintain a constant amount of exhaust, regardless of the pressure changes on the discharge side. When using vertical cavity feet as shown in , the pressure increases depending on the external air pressure and the utilization rate of each floor, etc. The problems of generating air, spreading of air intake, and generating noise continuously occurred, but the number of rotations in the fan was controlled according to the pressure fluctuations to maintain the constant wind volume. Underground is a fan.

① Low-pneumatic fan (maintenance of wind at 60CMH or higher at static pressure 0Pa)				
Page	Product Photo	Model name	Features and Specifications	Relative
8		DSC-EF200	Slim, wide installation specification "multi-form" 125*125*90 / Max 160*160*90 125*125*210 / Max 160*160*210	Axial flow type
9		DSF-NTD(B)	Application of Centrifugal Cyrocotype Impella 150*150*160	Centrifugal type
10		DSF-NTD(C)	Enhanced durability, quiet operation with a ball-bearing motor 150*150*160	Centrifugal type

② Medium pressure fan (maintain wind volume of 60CMH or higher at constant pressure 70Pa)				
Page	Product Photo	Model name	Features and Specifications	Relative
11		DSF-NTD Plus	Application of Centrifugal Cyrocotype Impella 160*160*160	Centrifugal type
12		SMT-400	Highly efficient electric motors are used for efficiency. Increase bandwidth to sustain constant wind emissions 160*160*170	Centrifugal type duplex cover
13		SMT-500	Highly efficient electric motors are used for efficiency. Increase bandwidth to sustain constant wind emissions 160*160*170	Centrifugal type duplex cover LED operating indicator

③ Fixed, high-wind fan (maintain wind volume above 60CMH at static pressure 200Pa)				
Page	Product Photo	Model name	Features and Specifications	Relative
14		GLO-300S	Silicone packing treatment of down-type covers provides close installation of ceilings and block micro-vibration. 200*200*155 when there is no installation item 190*210*155 with rodent	tandard constant velocity rotation
15		GLO-300C	Silicone packing treatment of down-type covers provides close installation of ceilings and block micro-vibration. 200*200*155 when there is no installation item 190*210*155 with rodent	A single control enabled (1-3rd)
16		CLN-500	160*160*155	LED operating indicator variable wind volume
17		Gclean700ES	Order capacity in accordance with the probable production up to 240cmh 235*235*125	Fixed Pressure, High Wind Volume

Wind flow rate is 60CMH or higher within a fixed pressure and a constant wind fan (static pressure of 25-250Pa). The change in the maximum and minimum wind volumes shall be kept within 1010%, and the wind volume shall always be maintained at all times.				
Page	Product Photo	Model name	Features and Specifications	Relative
18		Gclean400 Plus	Low Noise, Energy Saving Fan 225*225*140	Lunus
19		Gclean500 (GN90LED)	Low-noise, high-efficiency fixed-pressure constant wind volume lighting monolithic fan 245*245*150	Illumination monolithic
20		Gclean600 (Gclean600 Plus, Gclean600ES)	Fluid engineering, acoustically analytical design minimum noise 235*235*120	Fixed Pressure, High Wind Volume

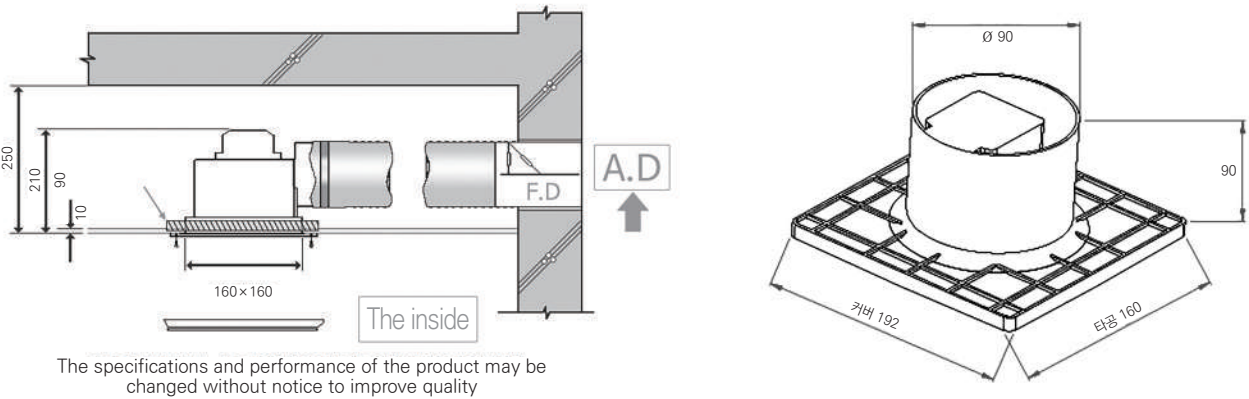
DSC-EF200

Feature point

- Slim, wide installation specification "multi-form"
- Elbow damper separation type with built-in anti-return shutter
- Low-static ventilation fan



Installation Detail Diagram and Drawing



Product Configuration



Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
DSC-EF200	0Pa	60CMH	14W	32~38dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	192mm × 192mm	125 × 125~160 × 160mm	Elbow Including 0.8kg Elbow Exception 0.6kg	100Ø, code type, connector type

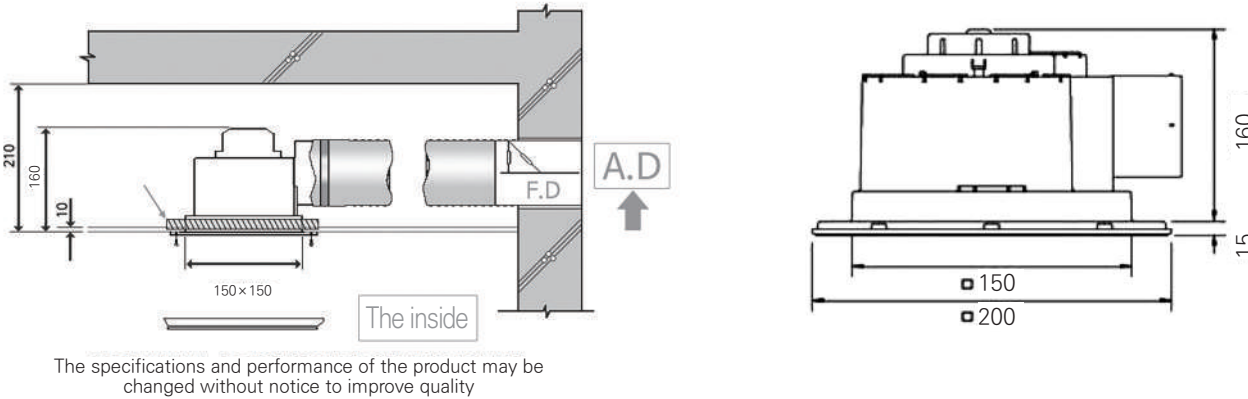
DSF-NTD(B)

Feature point

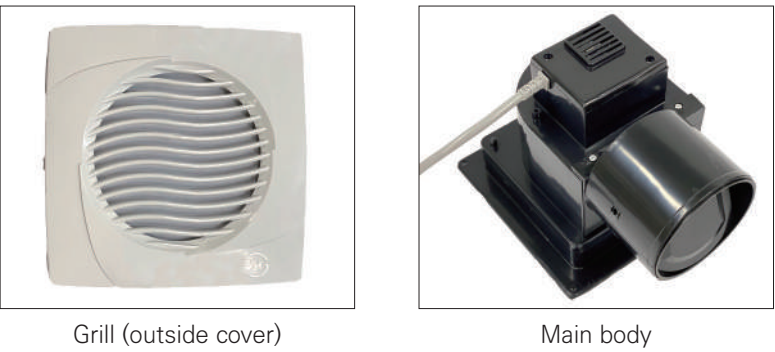
- Application of centrifugal type cyrocotype impella
- Enhanced durability and quiet operation with a ball-bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- All-in-one anti-return damper



Installation Detail Diagram and Drawing



Product Configuration



Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
DSF-NTD(B)	0Pa	90~120CMH	20W Less than	34~38dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	200mm × 200mm	150mm × 150mm	1.1kg	100Ø, code type, connector type

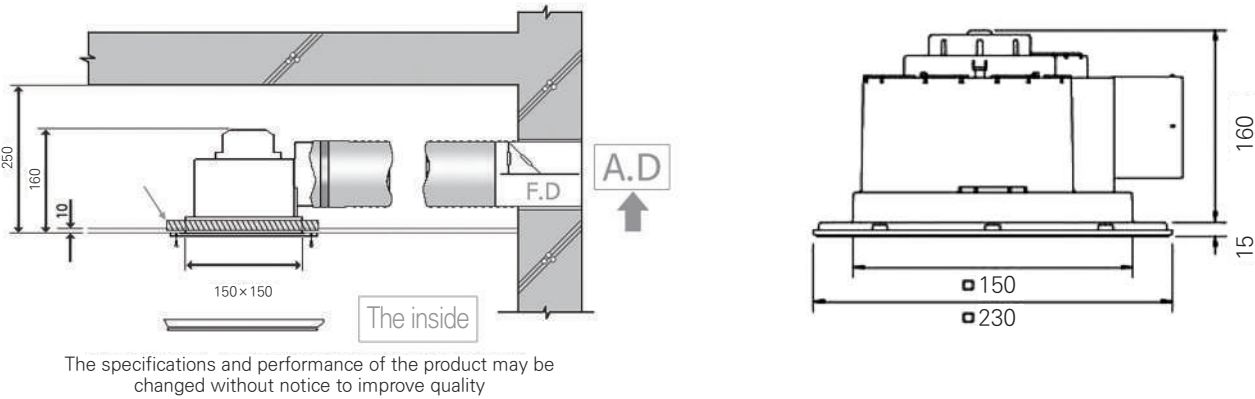
DSF-NTD(C)

Feature point

- Application of centrifugal type cyrocotype impella
- Enhanced durability and quiet operation with a ball-bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- All-in-one anti-return damper
- Circular diffuser type grill cover



Installation Detail Diagram and Drawing



Product Configuration



Grill (outside cover)



Main body

Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
DSF-NTD(B)	0Pa	90~120CMH	20W Less than	34~38dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	230mm	150mm × 150mm	1.2kg	100Ø, code type, connector type

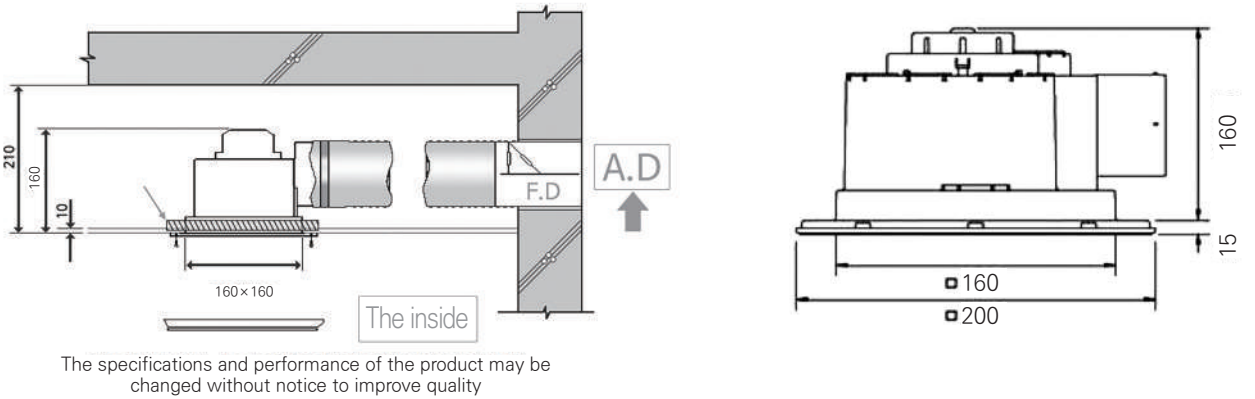
DSF-NTD Plus

Feature point

- Application of centrifugal type cyrocotype impella
- Enhanced durability and quiet operation with a ball-bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- All-in-one anti-return damper



Installation Detail Diagram and Drawing



Product Configuration



Grill (outside cover)



Main body

Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
DSF-NTD Plus	70Pa	90~120CMH	20W Less than	38dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	200mm × 200mm	160mm × 160mm	1.05kg	100Ø, code type, connector type

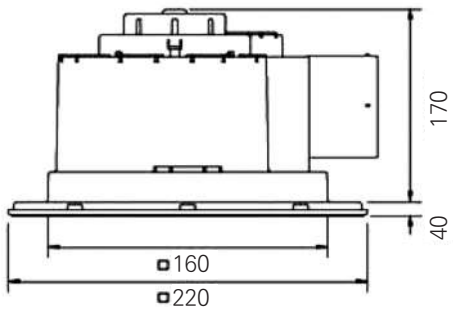
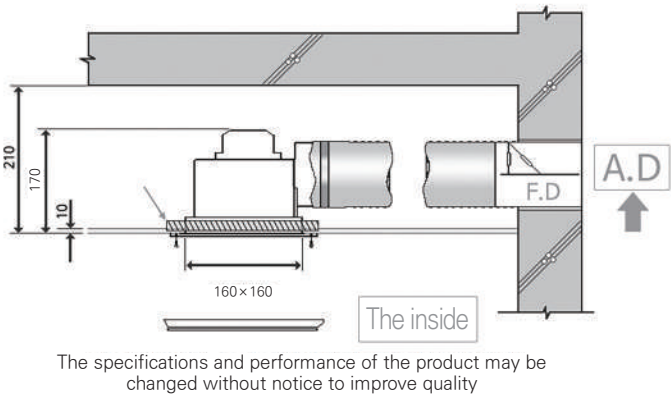
SMT-400

Feature point

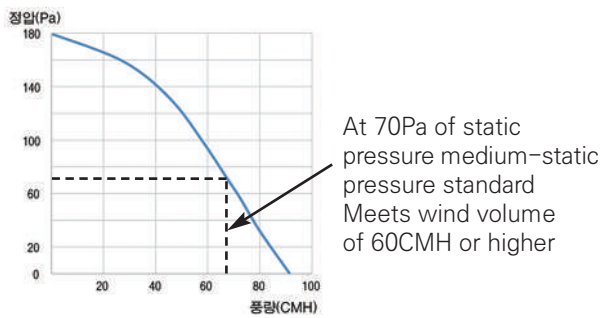
- Highly efficient electric motors are installed to provide high efficiency is high.
- Increase bandwidth to sustain constant wind emissions
- Double cover structure where dust does not stick to the cover due to side suction
- Enhanced durability and quiet operation with a ball bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- Built-in anti-return damper



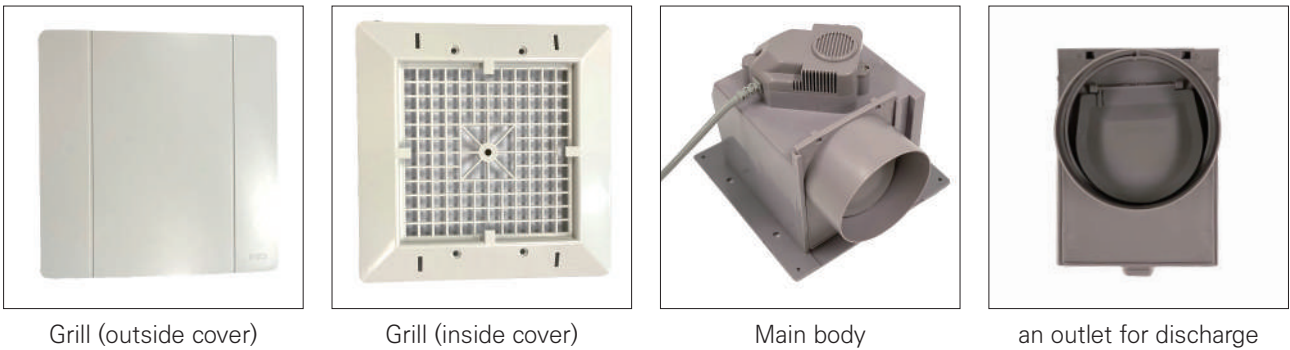
Installation Detail Diagram and Drawing



Performance Curve



Product Configuration



Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
SMT-400	70Pa	96~120CMH	20W Less than	34~38dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	220mm × 220mm	160mm × 160mm	1.4kg	100Ø, code type, connector type

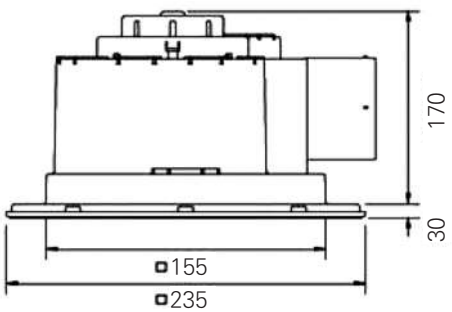
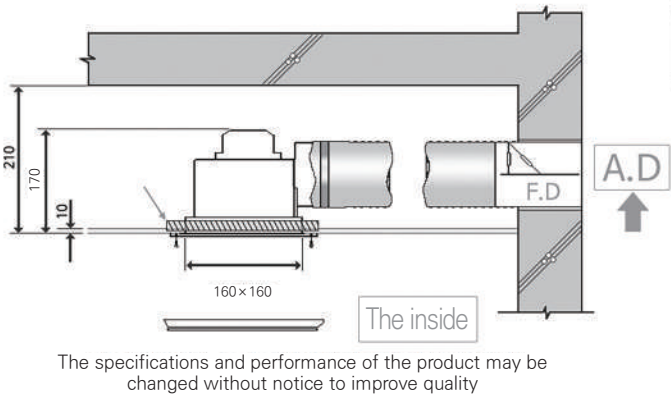
SMT-500



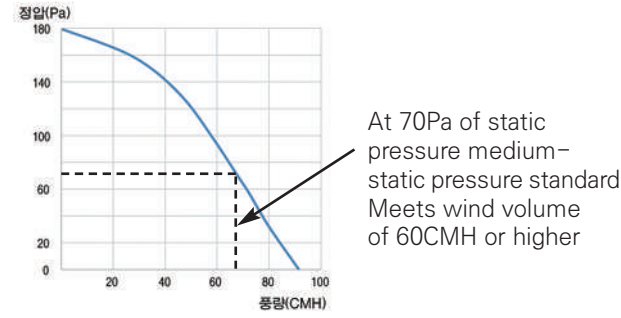
Feature point

- Highly efficient electric motors are installed to provide high efficiency is high. Increase bandwidth to sustain constant wind emissions
- Double cover structure where dust does not stick to the cover due to side suction
- Enhanced durability and quiet operation with a ball bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- Built-in anti-return damper
- Power indicator LED lamp (optional)
- High efficiency equipment and materials ventila

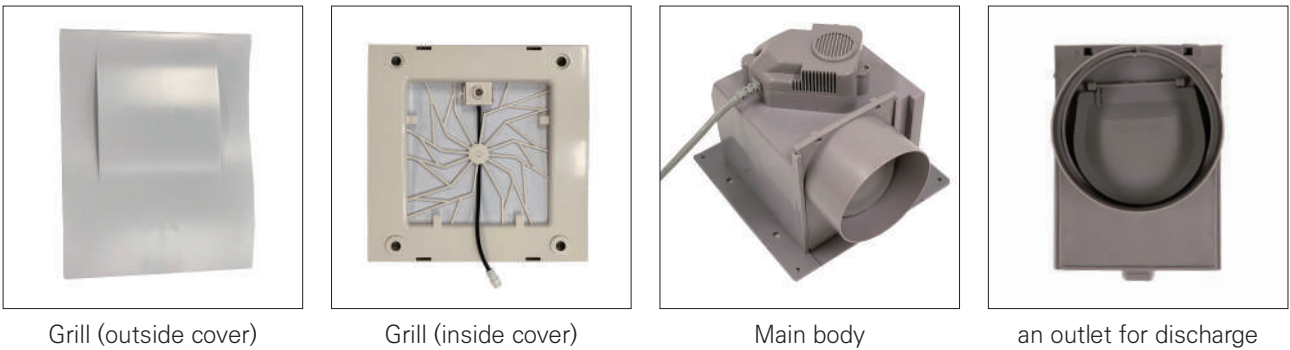
Installation Detail Diagram and Drawing



Performance Curve



Product Configuration



Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
SMT-500	70Pa	96~120CMH	20~25W Less than	34~38dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	235mm × 205mm	160mm × 160mm	1.4kg	100Ø, code type, connector type

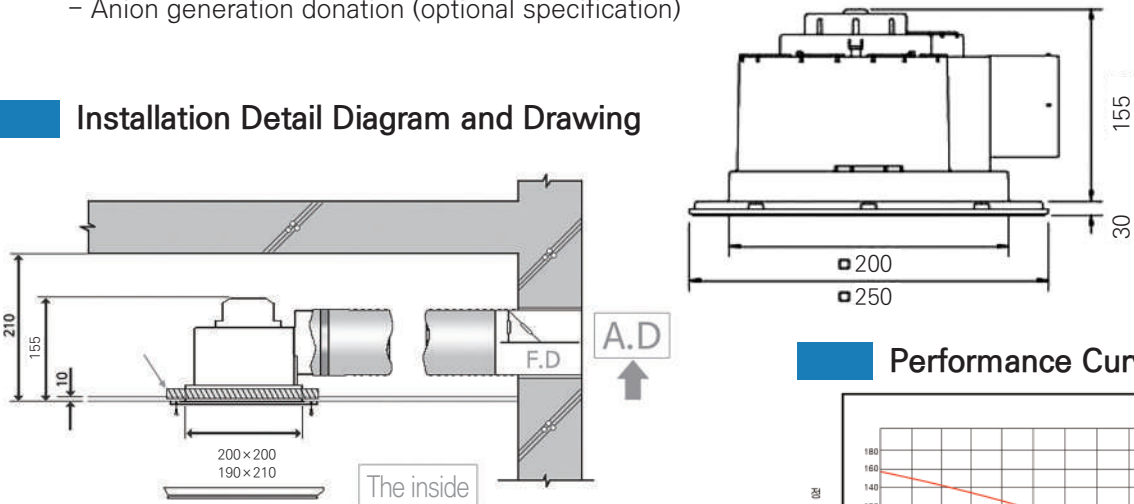
GLO-300S

Feature point

- Silicone packing treatment of down-type covers provides close installation of ceilings and block micro-vibration.
- Stable cover installation using cover bolts
- Enhanced durability with a ball bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- Built-in anti-return damper
- Standard constant speed rotation
- Speed control device (optional specification), basic level 2
- Attaching odors and smoke sensors (optional specifications)
- Anion generation donation (optional specification)

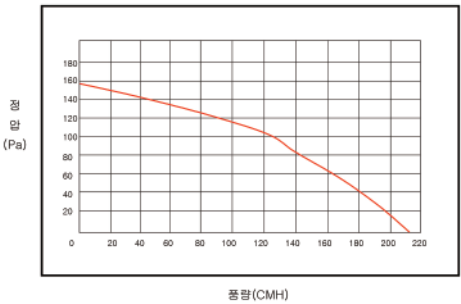


Installation Detail Diagram and Drawing



The specifications and performance of the product may be changed without notice to improve quality

Performance Curve



Product Configuration



Grill (outside cover)



Grill (inside cover)



Main body

Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
GLO-300(S)	200Pa	120CMH, 180CMH, 240CMH	20~30W Less than	33~35dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	250mm × 250mm	200mm*200mm 190mm*210mm	1.6kg	100Ø, code type, connector type

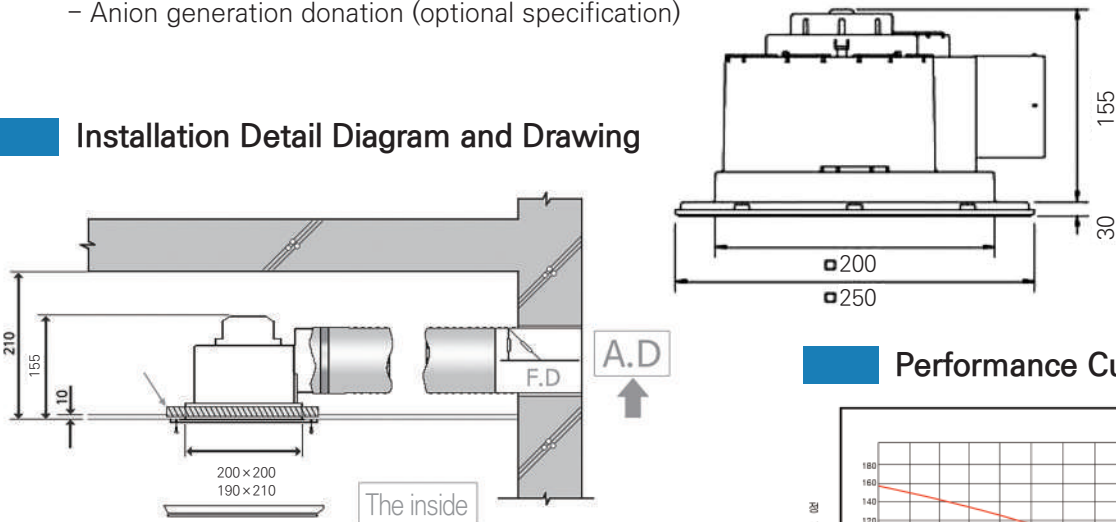
GLO-300C

Feature point

- Silicone packing treatment of down-type covers provides close installation of ceilings and block micro-vibration.
- Stable cover installation using cover bolts
- Enhanced durability with a ball bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- Built-in anti-return damper
- Adjustable water supply (Step 1 to 3)
- Attaching odors and smoke sensors (optional specifications)
- Anion generation donation (optional specification)

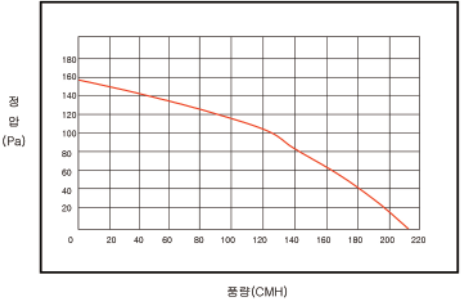


Installation Detail Diagram and Drawing



The specifications and performance of the product may be changed without notice to improve quality

Performance Curve



Product Configuration



Grill (outside cover)



Grill (inside cover)



Main body

Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
GLO-300(S)	200Pa	120~240CMH	20~40W Less than	33~39dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	250mm × 250mm	200mm*200mm 190mm*210mm	1.7kg	100Ø, code type, connector type

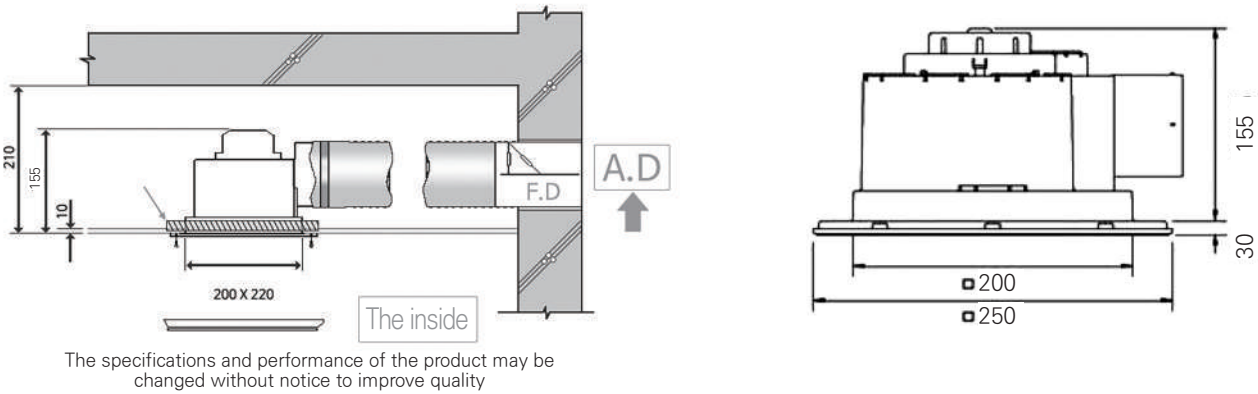
CLN-500

Feature point

- PCB board with state-of-the-art controller
- High efficiency, low noise ㉼ design
- Variable wind volume due to pressure difference (automatic speed control)
- Silicone packing treatment of down-type covers provides close installation of ceilings and block micro-vibration.
- Stable cover installation using cover bolts
- Enhanced durability with a ball bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- Built-in anti-return damper
- LED operating indicator (default)



Installation Detail Diagram and Drawing



Product Configuration



Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
CLN-500	200Pa	120CMH	35W Less than	38dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	250mm × 250mm	200mm × 200mm	1.65kg	100Ø, code type, connector type

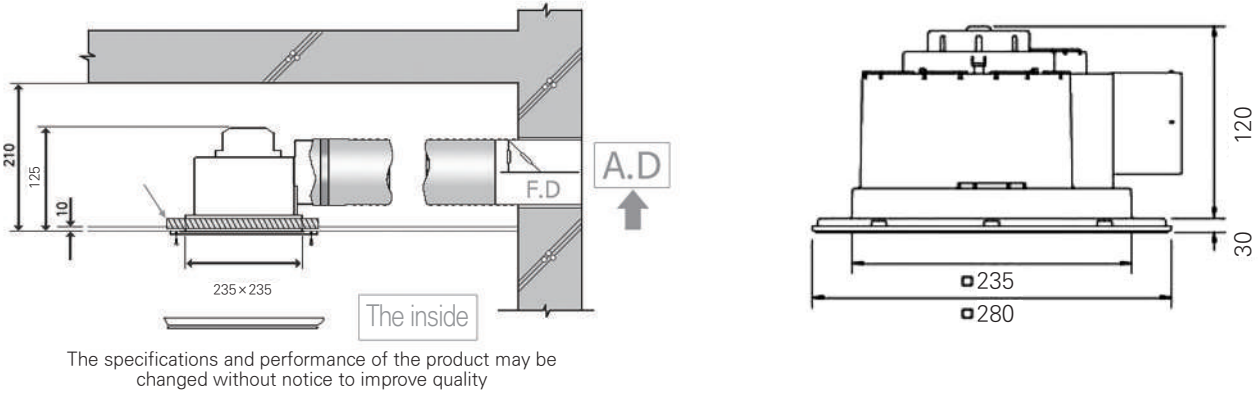
Gclean700ES



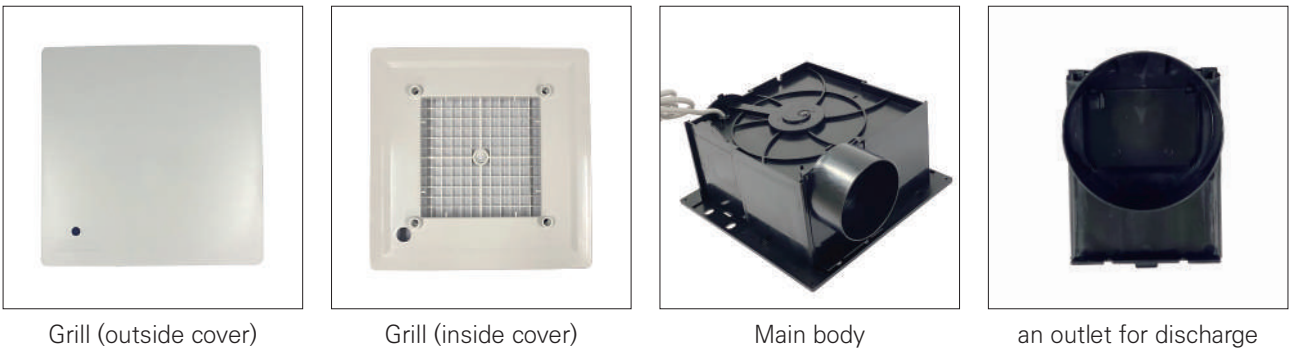
Feature point

- Fixed-pressure, high-wind product
- Up to 240CMH can be manufactured depending on order capacity
- Enhanced durability with a ball bearing motor
- Fire prevention and safety improvement caused by overheating by installing safety temperature shoes
- Built-in anti-return damper

Installation Detail Diagram and Drawing



Product Configuration



Product Specification

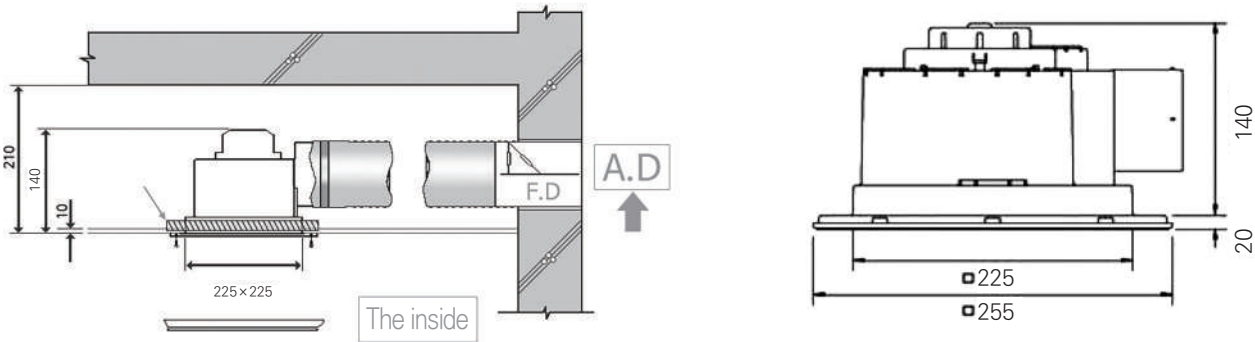
Model name	Gclean700ES	Model name	Static pressure	Wind flow	Power consumption	Noise	Rated voltage	Weight
Static pressure	200Pa	Gclean700ES(A)	420Pa	100CMH	39W	36.9dB	220V/60Hz	2.3kg
Wind flow	100~240CMH	Gclean700ES(B)	440Pa	110CMH	40W	40.3dB	220V/60Hz	2.3kg
Power consumption	58W Less than	Gclean700ES(C)	460Pa	130CMH	49W	45dB	220V/60Hz	2.3kg
Noise	36~58dB	Gclean700ES(D)	470Pa	140CMH	50W	48dB	220V/60Hz	2.3kg
Rated voltage	220V,60Hz	Gclean700ES(E)	490Pa	170CMH	53W	52dB	220V/60Hz	2.3kg
Grill cover size	280mm*280mm	Gclean700ES(F)	500Pa	210CMH	58W	58dB	220V/60Hz	2.3kg
Size of installation specification (±5mm)	235mm*235mm							
Weight	2.3kg							
Connection option	100Ø, code type, connector type							

Gclean400Plus(LunusFan)

Feature point

- Low noise, energy-saving fans
- Can be produced on demand
- Operable at a low cost

Installation Detail Diagram and Drawing



The specifications and performance of the product may be changed without notice to improve quality

Installation method by model

Saphir-F	Skalar-F	LRK-F
1. Ventilation is secured with plaster and installed on walls Become. 2. To complete the air through the pipe or through the wall outside. Take it out completely.	1. Ventilation is horizontal (12cm) gypsum flat. It is fixed so that it is installed on the wall. 2. Drain the air completely with the vent.	1. Ventilation systems are narrow passageways outside the walls. I'm installed on the wall flat with plaster. It's fixed. 2. Drain air completely out of the vent.

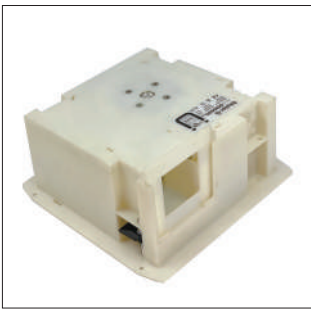
Product Configuration



Grill (outside cover)



Grill (inside cover)



Main body

Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
Gclean400	25~250Pa	95CMH	32W	30dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	255mm × 255mm	225mm × 225mm	1.8kg	75Ø

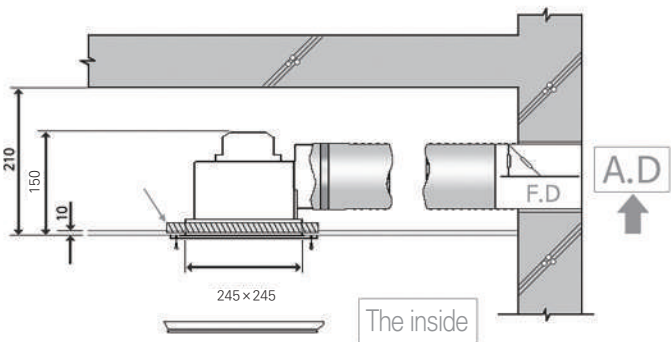
Gclean500(GN90LED)



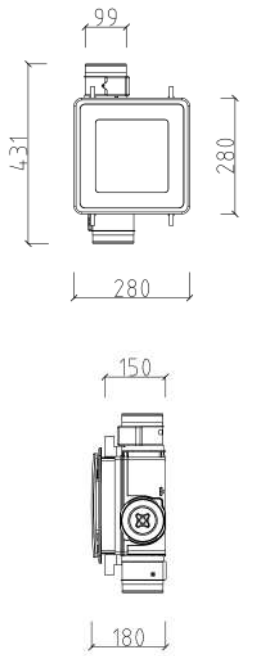
Feature point

- Low-noise, high-efficiency fixed-pressure constant wind volume lighting monolithic fan
- High-precision anti-return damper attachment type (internal type and external type can be selected)
- Each light/bath fan can be controlled.
- Waterproofing function applied to the lighting section
- Lighting can be selected (4,000K or 5,700K)
- Multivariate capability

Installation Detail Diagram and Drawing



The specifications and performance of the product may be changed without notice to improve quality



Performance Curve

Product Configuration



Grill (outside cover)



Grill (inside cover)



Main body



Filter

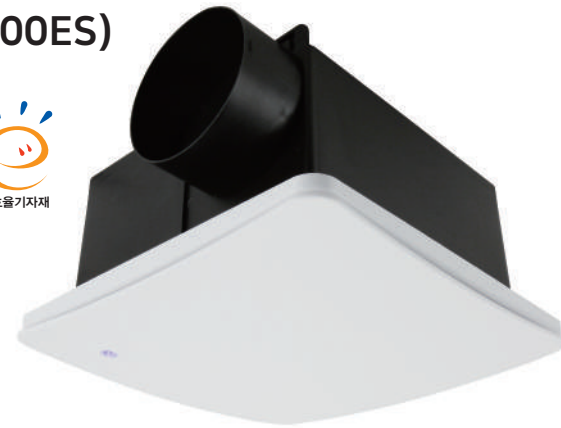
Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
Gclean500(GN90LED)	25~250Pa	96CMH	35W (LED 15W)	36dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	280mm × 280mm	245mm × 245mm	3.5kg	99Ø, code type

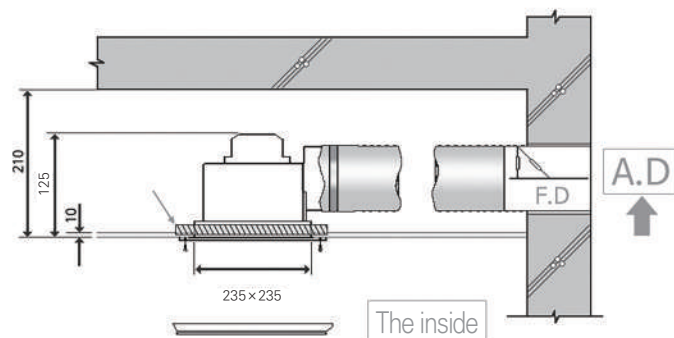
Gclean600 (Gclean600Plus, Gclean600ES)

Feature point

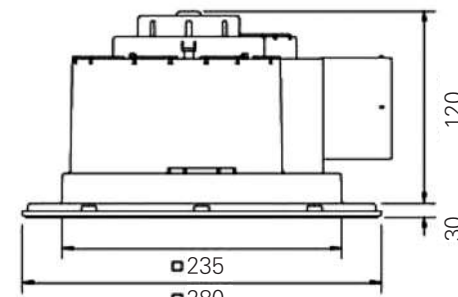
- Fixed pressure, static wind volume
- Lowest acoustics designed for fluid engineering and acoustical analysis
- Extended Branch
- Built-in anti-return damper
- LED operating indicator



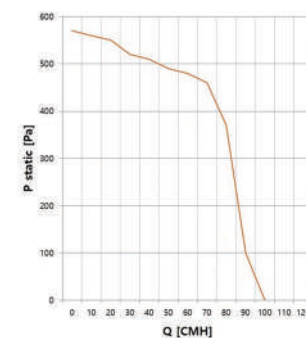
Installation Detail Diagram and Drawing



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Performance Curve



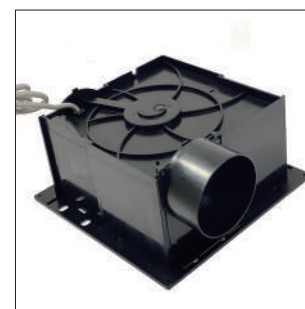
Product Configuration



Grill (outside cover)



Grill (inside cover)



Main body



an outlet for discharge

Product Specification

Model name	Static pressure	Wind flow	Power consumption	Noise
Gclean600	460Pa	89.4CMH	32W Less than	39.8dB
Rated voltage	Grill cover size	Size of installation specification (±5mm)	Weight	Connection option
220V,60Hz	280mm × 280mm	235mm × 235mm	2.3kg	100Ø, code type, connector type

Certificate and Patent Certificate

