



alfan



TRUSTED BRANDS OF THE WORLD

AXIAL VENTILATOR

1270 TYPE



GENERAL INFORMATION ABOUT FANS

We produce the following types of high capacity fans; 22", 26", 30", 50" also american type cone and mobile shutter fans.

Beside our fans, shutters and blades are produced according to customer's request. Fan shutter sets can be easily assembled and disassembled. It is suitable for the cleaning of the fan inside that the shutter sets are mobile.

Slant fans are produced with 5 degree inclination, which are designed especially for easier montage. The surface of shutters is designed to promote smooth and turbulence free air passage allowing moisture run out of the building. The slant design protects the motor and drives from stormy water.

1270 TYPE

TYPES OF FANS ACCORDING TO THE BLADE MATERIAL

A- THE BODY MATERIAL

The body of axial fan is made of galvanized sheet iron.

B- BLADES

We produce the blades from special aluminium alloy, stainless steel or galvanized sheet. The blades have special geometry to obtain high efficiency.

1- Aluminium Blades:

These blades are produced from special aluminium alloy. Thickness is 2 mm. The blades have special curvature to increase the strength and efficiency.

2- Stainless Steel Blades:

These blades are produced from either 304 quality stainless steel, or 430 quality stainless steel depending on customer's choice. Thickness is 1 mm. The blades have special curvature to increase the strength and efficiency.

3- Galvanized Sheet Blades:

These blades are produced from galvanized sheet. Thickness is 1 mm. The blades have special curvature to increase the strength and efficiency.



50"/1270 Cone to Mobile Shutter Angle and Centrifugal Fan Type

1270 TYPE



50"/1270 Grill to Shutter and Centrifugal Fan Type



50"/1270 Cone to Mobile Shutter Angle and Centrifugal Fan Type

Product Type	FAN MODEL				Weight (Kg)	Blades Material	Motor Power (Hp)	AIR FLOW m ³ /h - PA					
	Product Nr.	Product Code (Old)	Product Code (New)	Blades Diameter				0 PA	10 PA	20 PA	30 PA	40 PA	50 PA
1270 Grill to Shutter Fan Type	01	FA1A1	FA1A01-01	50"	74	Aluminium	1.5	42980	40890	38380	35970	33630	31080
	02	FA1S1	FA1S01-01	50"	78	Stainless Steel-Iron	1.5	41970	39760	37670	35350	32830	30280
	03	FA1G1	FA1G01-01	50"	78	Galvanized	1.5	41970	39760	37670	35350	32830	30280
	04	FG1A1	FG1A01-01	50"	80	Aluminium	1.5	42980	40890	38380	35970	33630	31080
	05	FG1S1	FG1S01-01	50"	82	Stainless Steel-Iron	1.5	41970	39760	37670	35350	32830	30280
	06	FG1G1	FG1G01-01	50"	82	Galvanized	1.5	41970	39760	37670	35350	32830	30280
	07	FA1A2	FA1A02-01	50"	71.5	Aluminium	1.0	38390	35650	32880	29620	26590	23400
	08	FA1S2	FA1S02-01	50"	75.5	Stainless Steel-Iron	1.0	37450	34870	32150	29360	25950	22540
	09	FA1G2	FA1G02-01	50"	75.5	Galvanized	1.0	37450	34870	32150	29360	25950	22540
	10	FG1A2	FG1A02-01	50"	77.5	Aluminium	1.0	38390	35650	32880	29620	26590	23400
	11	FG1S2	FG1S02-01	50"	79.5	Stainless Steel-Iron	1.0	37450	34870	32150	29360	25950	22540
	12	FG1G2	FG1G02-01	50"	79.5	Galvanized	1.0	37450	34870	32150	29360	25950	22540
1270 Grill to Grill Fan Type	13	FIA1	FIA01-04	50"	69	Aluminium	1.5	42980	40890	38380	35970	33630	31080
	14	FIS1	FIS01-04	50"	71	Stainless Steel-Iron	1.5	41970	39760	37670	35350	32830	30280
	15	FIG1	FIG01-04	50"	71	Galvanized	1.5	41970	39760	37670	35350	32830	30280
	16	FIA2	FIA02-06	50"	67.5	Aluminium	1.0	38390	35650	32880	29620	26590	23400
	17	FIS2	FIS02-06	50"	69	Stainless Steel-Iron	1.0	37450	34870	32150	29360	25950	22540
	18	FIG2	FIG02-06	50"	69	Galvanized	1.0	37450	34870	32150	29360	25950	22540
1270 Cone Fan Type	19	FG1A2-D	FG1A02-02	50"	90	Aluminium	1.0	41000	38300	35450	32300	29000	25460
	20	FG1S2-D	FG1S02-02	50"	92	Stainless Steel-Iron	1.0	40500	37900	35000	31900	28550	24950
	21	FG1G2-D	FG1G02-02	50"	92	Galvanized	1.0	40500	37900	35000	31900	28550	24950
	22	FG1A1-D	FG1A01-02	50"	95	Aluminium	1.5	44300	42250	39970	37630	35200	32720
	23	FG1S1-D	FG1S01-02	50"	97	Stainless Steel-Iron	1.5	43500	41320	39250	36900	34350	31270
	24	FG1G1-D	FG1G01-02	50"	97	Galvanized	1.5	43500	41320	39250	36900	34350	31270

760 TYPE

OPENING SYSTEM OF THE FAN SHUTTERS

There are three types of shutter opening system:
1- Shutters open by centrifugal force which is converted to direct mechanical force by the revolution of blades.

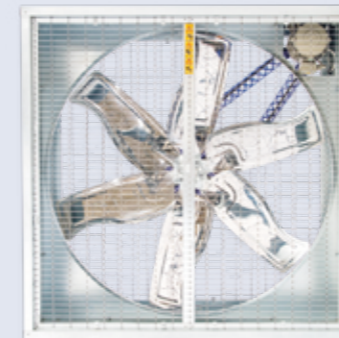
2- The shutters are balanced by extraweights assembled to the shutters. Centrifugal force is created by the revolution of blades and shutters open by this centrifugal force and close by the help of extra-weight.

3- The shutters are operated by air pressure or air suction system. The montage of the fan which opens by the help of this system is very convenient for cleaning the fan inside.

OPERATING SYSTEM OF THE FANS

It works by a motor-belt-pulley system and operates silently. The pulley is made from cast aluminium and the bearing used on the blade side has an extraordinary design to extend the operating life of the fan. The circle frame is made from galvanized sheet iron.

The shutters open during the operation of the fan and close when the fan stops circulation. The protection grill (wire mesh) is at the back side of the fans and made from special wire. The fan is mounted to the wall by fixing the screws on the external frame of the fan.



30"/760 Grill to Grill Motor Belt Pulley System Fan Type



30"/760 Grill to Shutter and Extraweighted Fan Type



30"/760 Cone Centrifugal Fan Type

Product Type	FAN MODEL				Weight (Kg)	Blades Material	Motor Power (Hp)	AIR FLOW m ³ /h - PA					
	Product Nr.	Product Code (Old)	Product Code (New)	Blades Diameter				0 PA	10 PA	20 PA	30 PA	40 PA	50 PA
760 Grill to Shutter Fan Type	25	FA2S3	FA2S05-01	30"	47	Stainless Steel-Iron	0.5	16090	15180	13750	11760	9250	6200
	26	FA2G3	FA2G05-01	30"	47	Galvanized	0.5	16090	15180	13750	11760	9250	6200
760 Grill to Grill Fan Type	27	F2S3	F2S05-04	30"	45	Stainless Steel-Iron	0.5	16200	15300	13850	11900	9400	6380
	28	F2G3	F2G05-04	30"	45	Galvanized	0.5	16200	15300	13850	11900	9400	6380
760 Cone Fan Type	29	FG2S3-D	FG2S05-03	30"	60	Stainless Steel-Iron	0.5	17300	15900	15000	12850	10100	7020
	30	FG2G3-D	FG2G05-03	30"	60	Galvanized	0.5	17300	15900	15000	12850	10100	7020

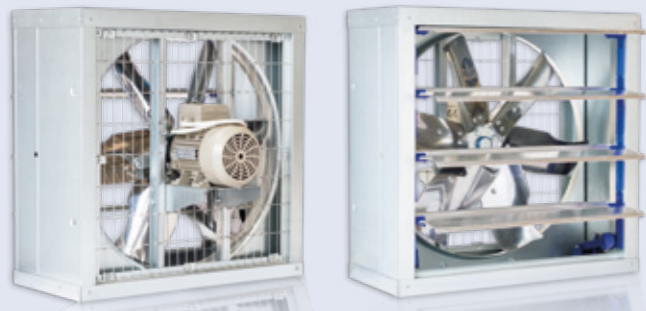
660 TYPE



■ 26"/660 Grill to Shutter and Extraweight Fan Type

Product Type	FAN MODEL				Weight (Kg)	Blades Material	Motor Power (Hp)	AIR FLOW m ³ /h - PA					
	Product Nr.	Product Code (Old)	Product Code (New)	Blades Diameter				0 PA	10 PA	20 PA	30 PA	40 PA	50 PA
660 Grill to Shutter Fan Type	31	FA3S4	FA3S04-01	26"	34	Stainless Steel-Iron	0.5	12500	11600	10550	9280	8230	6920
	32	FA3G4	FA3G04-01	26"	34	Galvanized	0.5	12500	11600	10550	9280	8230	6920
660 Grill to Grill Fan Type	33	F3S4	F3S04-04	26"	32	Stainless Steel-Iron	0.5	12600	11650	10650	9350	8300	7050
	34	F3G4	F3G04-04	26"	32	Galvanized	0.5	12600	11650	10650	9350	8300	7050

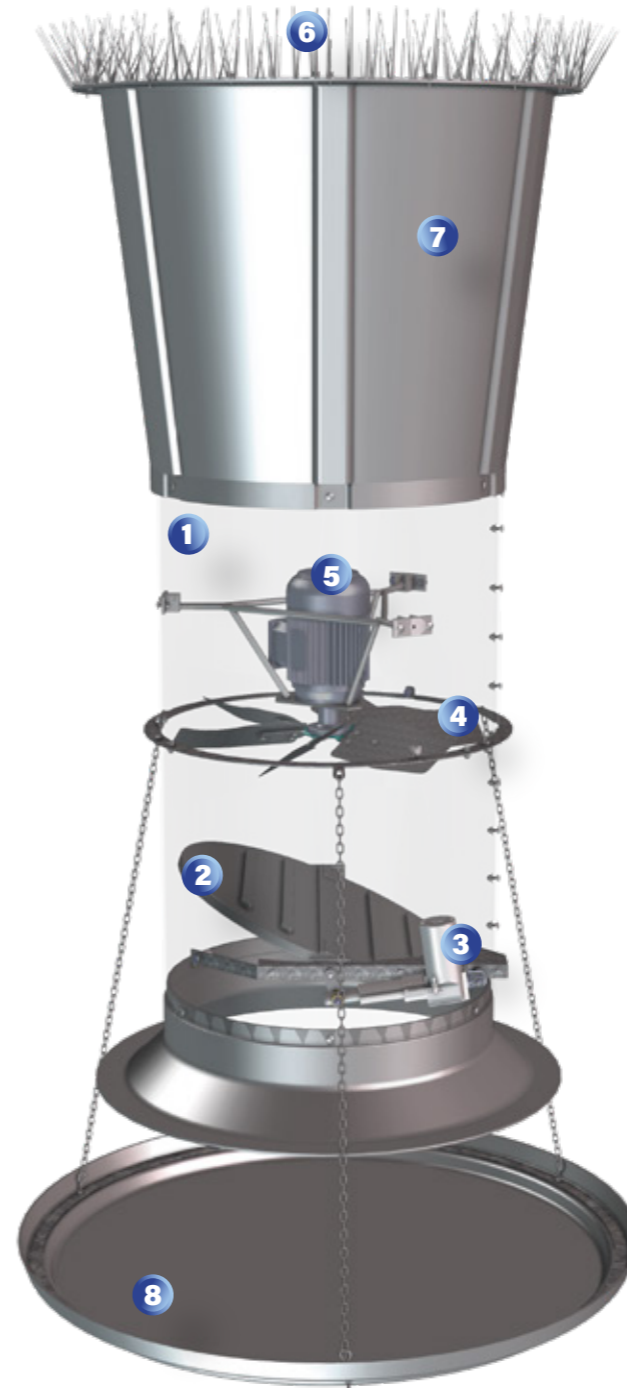
560 TYPE



■ 22"/560 Grill to Shutter - Extraweight and Direct Drive System

Product Type	FAN MODEL				Weight (Kg)	Blades Material	Motor Power (Hp)	AIR FLOW m ³ /h - PA					
	Product Nr.	Product Code (Old)	Product Code (New)	Blades Diameter				0 PA	10 PA	20 PA	30 PA	40 PA	50 PA
560 Grill to Shutter Fan Type	35	FA4S4	FA4S06-01	22"	26	Stainless Steel-Iron	0.34	9000	8100	7200	6050	4900	3600
	36	FA4G4	FA4G06-01	22"	26	Galvanized	0.34	9000	8100	7200	6050	4900	3600
560 Grill to Grill Fan Type	37	F4S4	F4S06-04	22"	24	Stainless Steel-Iron	0.34	9100	8150	7250	6150	5000	3700
	38	F4G4	F4G06-04	22"	24	Galvanized	0.34	9100	8150	7250	6150	5000	3700

CHIMNEY FAN



The numbers indicated on the products that guide installation process.

FAN BODY and LOWER CONE

It has a diameter of 61,5 cm. Chimney fan has a round design and ensures optimum and efficient ventilation conditions. The Chimney fan is made of polypropylene. Chimney fans are produced with special design, it provides minimum noise level and reduced power consumption.



BFN - 003 and BFN001

FLAP (AIR CONTROL VALVE)

Provides air flow control. The rate of air flow can be adjusted as desired. Flap system providing a protection for entering foreign object from outside when fan is off.



SGMAL - 467

ACTUATOR MOTOR

It provides the opening and closing of the flap which is located inside the fan. A 24 V 6000 N motor is used.



HEKE - 160

MAGNOLISE PROPELLER

Propeller diameter is 585 mm. It has been designed to create maximum air flow and minimum noise level. Best corrosion resistance performance. Magnelis and Stainless steel options are available.



BF - 0004

ELECTRIC MOTORS

A 0.55 kW 1000 RPM electric motor is used. It provides force to rotate the propeller for optimum air flow.



SMTR - 808

BIRD SPIKES

Preventing birds from landing on the chimney fan. Self-drilling screws have been used.



HKSZ - 01

UPPER CONICAL PLASTIC

It has been designed to provide optimal exhaust air flow. Chimney fan has been designed to provide easy assembly and disassembly. It provides an increase in air flow up to 15%, thanks to this increase, 15% energy saving is achieved.



BFN - 002

DRIP PLATE

Its function is for rain protection and to hold foreign objects which are coming from outside.



BFN - 004

- Dis-assembled size: 63x120 cm
- Assembled size: 63x197 cm
- M8x15 type bolts are used on flange connections.
- M6x20 type bolts are used between the electric motor and its mounting stand.
- M6x20 type bolts are used between connecting of electric motors and propellers.

Outer Cylinder Dia	Product Nr.	Product Code	Motor Size	AIR FLOW m ³ /h - PA					
				0 PA	10 PA	20 PA	30 PA	40 PA	50 PA
625 mm	39	BF585-A000	0,55kW	11720	10740	9750	8760	7560	6400

INSTALLATION OF THE FANS (WARNINGS)

Fan should be installed in such a place that it should be out of reach of children between 0-3 years old and recommended height is approximately 1m. and below.

Fans are installed on a cavity with the necessary nuts placed in the body of the unit as shown in the right figure.

Fans are installed in a way that the protecting should be at the inside of the poultry house.

Electricity connections should be made by professionals.

There must be installation for the motor cable connection. Grounding must be done and there should be copper or zinc at the end of the grounding cable. The end of the cable (copper or zinc) should be dipped enough so that it's not effected by the moisture.

USAGE OF THE FANS (WARNINGS)

Never use the fan without protecting grill (wire mesh) and shutters.

For the extra safety, please cover the shutters with protecting grill (wire mesh).

Always keep away and never insert any foreign material into the shutter or to the protecting grill (wire mesh) -located at the back side-while the fan is operating. Never clean or make maintain while the fan is operating. Never let any liquid such as water get into your fan. Always apply to your technical staff for any possible electrical or mechanical breakdowns.

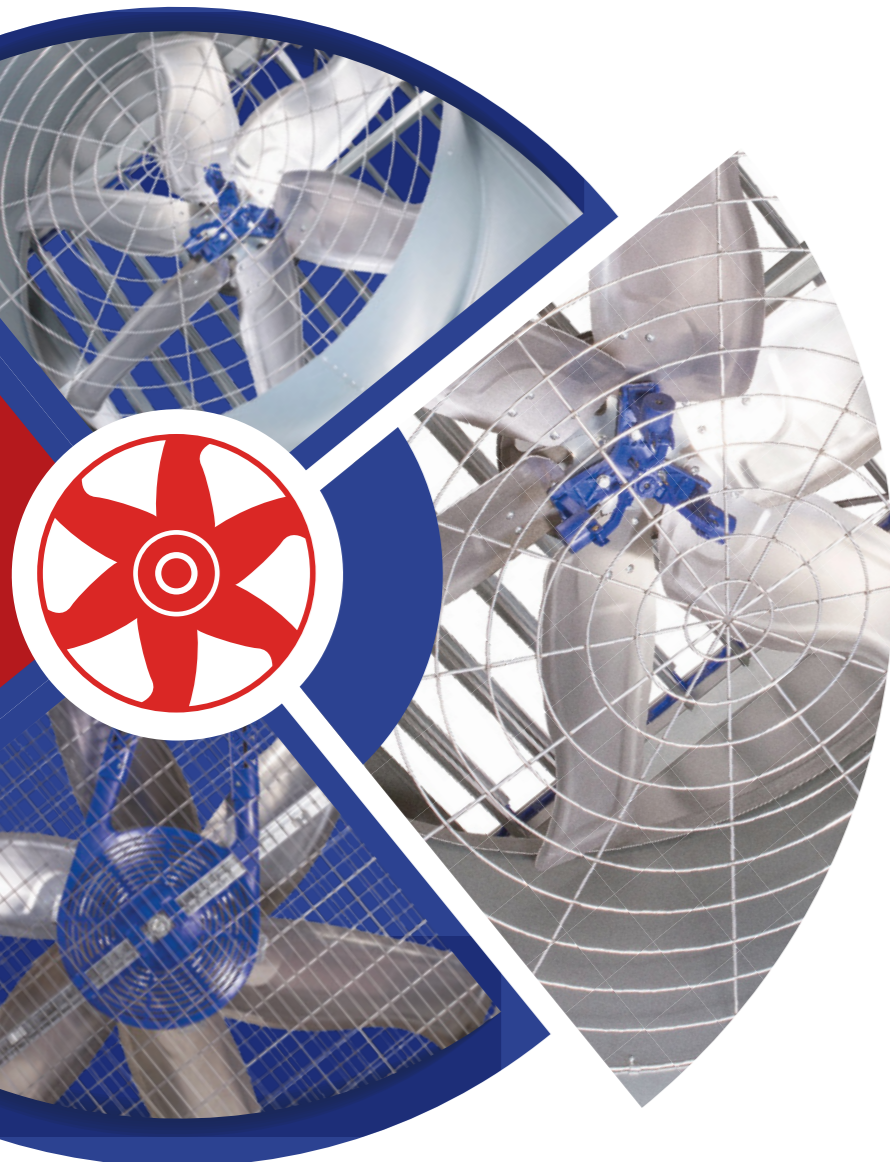
Do not close or cover back or front side of the fan as it can reduce the air flow capacity.

Never let anyone unscrew protecting grill and shutters, only the technicians do this task.

The tightness of the belt should be checked regularly taking care of the climatic conditions (especially when it's too hot.)

MAINTENANCE AND SECURITY

Maintenance must be definitely done when the fan is not operating and when there is no electricity. Regular and periodical maintenance should be applied if long term high and efficient performance is expected. Our company is not responsible for any possible accidents if enough security measures are not applied during usage or maintenance of the fan. The fan should be cleaned (keep away dust, moisture etc.) at least with monthly periods. Please note that all the conditions mentioned in the user's guide have been offered for the security and getting the most efficient performance of the fan.



GUARANTEE CONDITIONS

2 years guarantee right after the delivery.

ALFAN provides the advantage of supplying all types of spare parts and meeting all of the requirements of the customer related to spare parts.

Guaranty does not include conditions such as careless and unconscious usage of the fan.

Injury resulting from wrong or careless usage is not included in the guarantee.

Guarantee does not include motor breakdowns caused by (low-high/decrease) voltage fluctuation.

AREAS OF USAGE

In all closed areas having ventilation problems.

For ventilation and cooling of poultry farms.

For ventilation and cooling of cattle stables.

For ventilation and cooling of vegetable and mushrooms hothouses.

For clearing away the gas, smoke, dust odours etc, in the factories workshops and the similar places.

BELT TIGHTENER AND BELT PROTECT

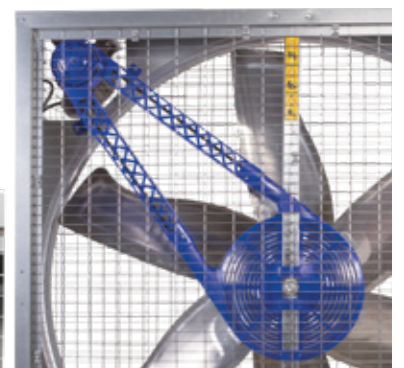
The belt of axial fan which works by the "motor-belt-pulley" system, can become loose in the course of time.

The only way to prevent such a loose is to equip a tighten instrument. If you do not make such a precaution, the capacity of the fan will reduce and belt will wear out faster.

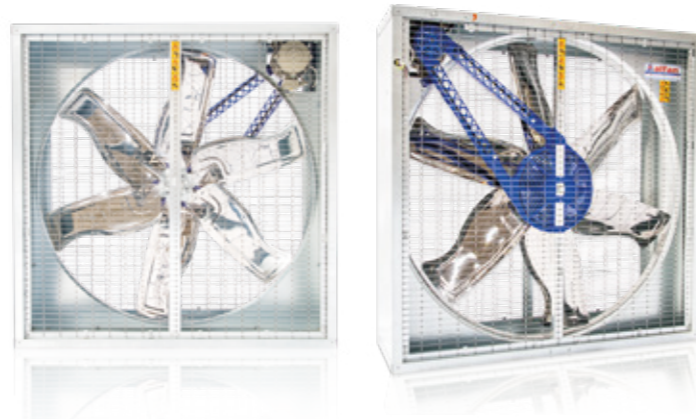
It is hard to arrange necessary tightness in axial fans which are used by the help of present technologies because it requires extra time and extra labour.

But it is easy and takes only about 10-15 seconds to arrange the tightness of the ventilator's belt by the help of a new developed "ALFAN" belt tighten system. After you make necessary tighten arrangements you can fix the belt with the butterfly nut and bolt that are located near the instrument.

The working principle of "ALFAN" belt tighten system is: Tighten instrument moves the nut, which is at the back side of the fan, in the axial direction. So, the belt gets necessary tightness. In the picture you can see the belt tighten instrument and it's location place. This way, the fast and easy tightness operation that is necessary for maximum performance of the mechanism is succeeded by the "ALFAN" belt tighten system.



1270 GRILL to GRILL FAN (SLIM TYPE)



Product Type	FAN MODEL				Weight (Kg)	Blades Material	Motor Power (Hp)	AIR FLOW m ³ /h - PA					
	Product Nr.	Product Code (Old)	Product Code (New)	Blades Diameter				0 PA	10 PA	20 PA	30 PA	40 PA	50 PA
1270 Grill to Grill Fan Type	13	FIA1	FIA01-04	50"	69	Aluminium	1.5	42980	40890	38380	35970	33630	31080
	14	FIS1	FIS01-04	50"	71	Stainless Steel-Iron	1.5	41970	39760	37670	35350	32830	30280
	15	FIG1	FIG01-04	50"	71	Galvanized	1.5	41970	39760	37670	35350	32830	30280
	16	FIA2	FIA02-06	50"	67.5	Aluminium	1.0	38390	35650	32880	29620	26590	23400
	17	FIS2	FIS02-06	50"	69	Stainless Steel-Iron	1.0	37450	34870	32150	29360	25950	22540
	18	FIG2	FIG02-06	50"	69	Galvanized	1.0	37450	34870	32150	29360	25950	22540

CIRCULATION VENTILATOR



Product Type	FAN MODEL				Weight (Kg)	Blades Material	Motor Power (Hp)	AIR FLOW m ³ /h - PA					
	Product Nr.	Product Code (Old)	Product Code (New)	Blades Diameter				0 PA	10 PA	20 PA	30 PA	40 PA	50 PA
560 Greenhouse Fan Type	40	F4G4-S	SF560-A0	22"	30	Galvanized	0.34	9000	8100	7200	6050	4900	3600
660 Greenhouse Fan Type	41	F3S4-S	SF660-A0	26"	39.5	Galvanized	0.34	12500	11600	10550	9280	8230	6920

PORTABLE FANS

Product Type	Product Nr.	Product Code	Blades Diameter	Weight (Kg)	Blades Material	Motor Power (Hp)	AIR FLOW m ³ /h - PA					
							0 PA	10 PA	20 PA	30 PA	40 PA	50 PA
560 Portable Fan Type	42	F4G06-09	22"	41	Galvanized	0,34	9000	8100	7200	6050	4900	3600
660 Portable Fan Type	43	F3G04-09	26"	58	Galvanized	0,5	12500	11600	10550	9280	8230	6920
760 Portable Fan Type	44	F2G05-09	30"	75	Galvanized	0,5	16200	15300	13850	11900	9400	6380
1270 Portable Fan Type	45	F1G01-09	50"	108	Galvanized	1,5	41970	39760	37670	35350	32830	30280

- Easily moveable disks with brake
- With protective wire grid
- Portable fan section



SHUTTER SET



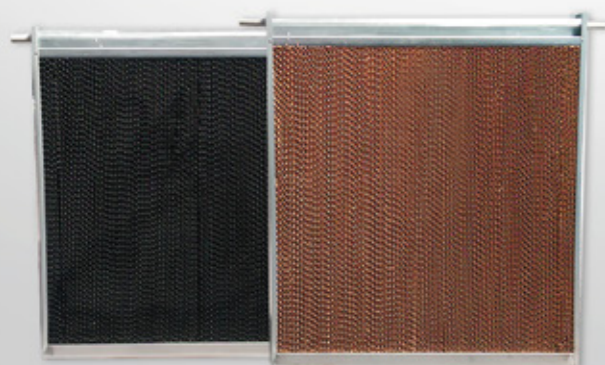
■ 760 Shutter Set ■ 1270 Shutter Set

AIR INLET SYSTEM



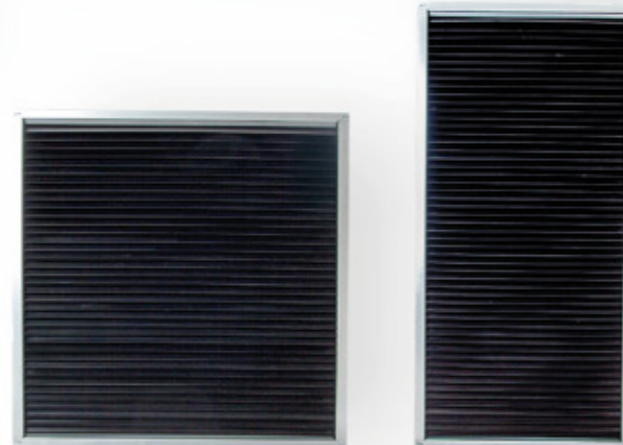
■ 55x33 cm Air Inlet System ■ 55,5x26,5 cm Air Inlet System

COOLING PANEL



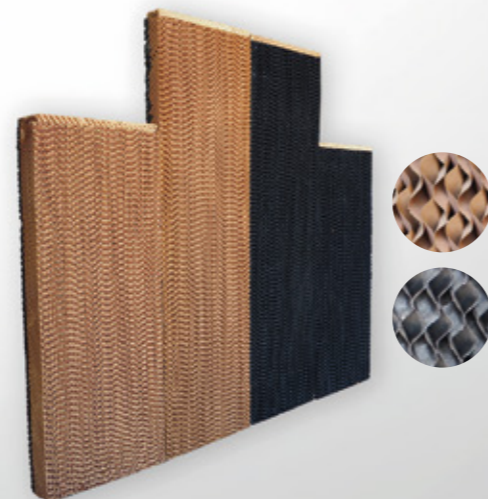
■ According to the Desired Size

LIGHT DEFLECTOR



■ 760 Light Deflector ■ 1270 Light Deflector

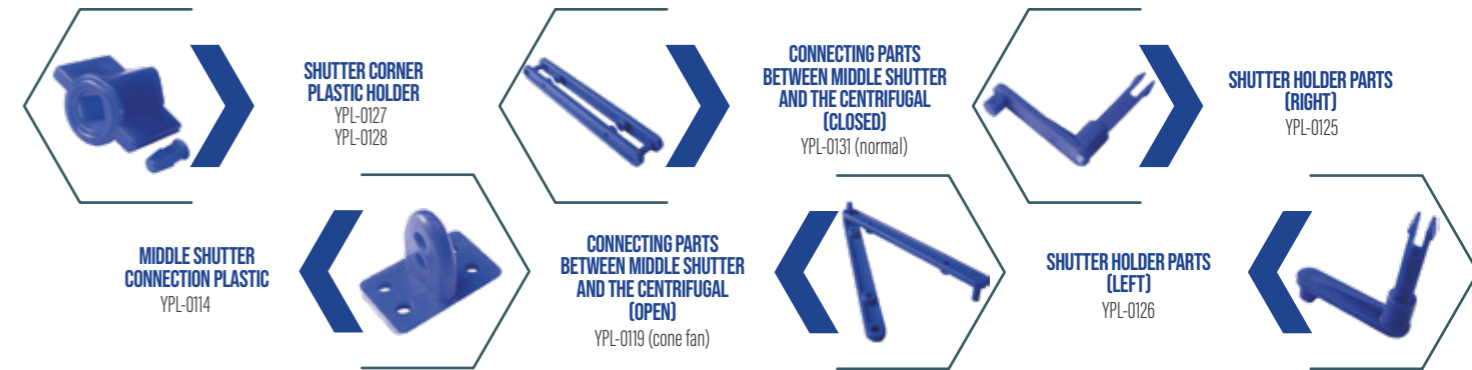
COOLING PAD



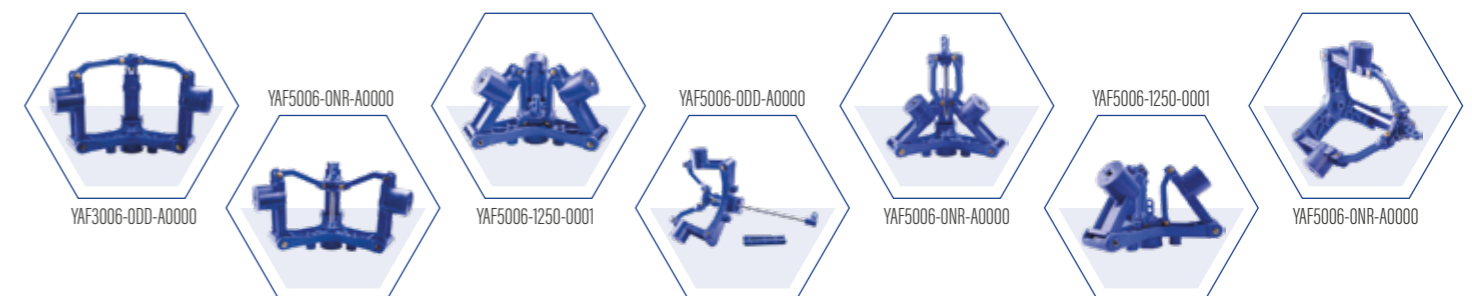
■ 100x60x10, 100x60x15, 150x60x10, 150x60x15, 200x60x10, 200x60x15 cm Cooling Pad

COMPONENT

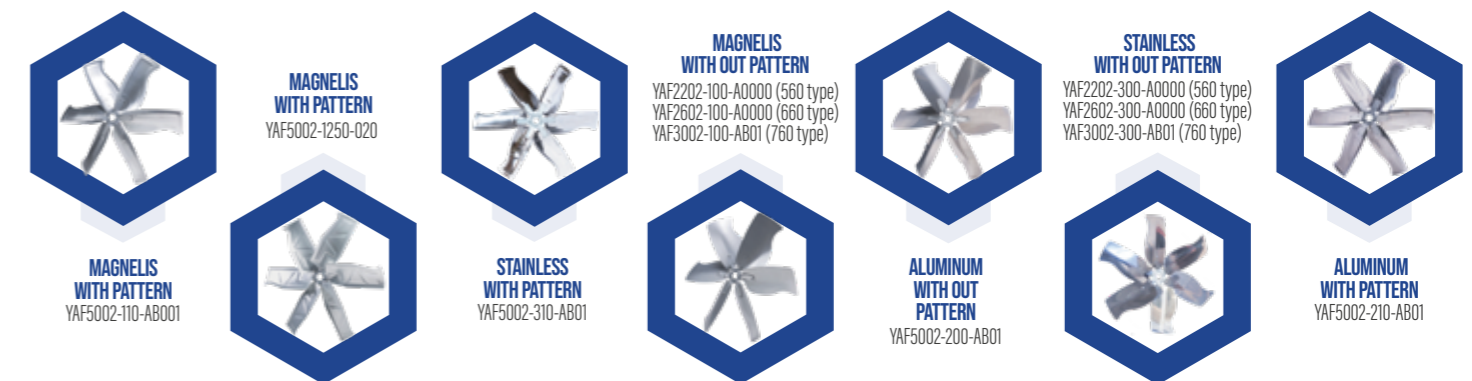
CONNECTING PARTS OF SHUTTER SYSTEM



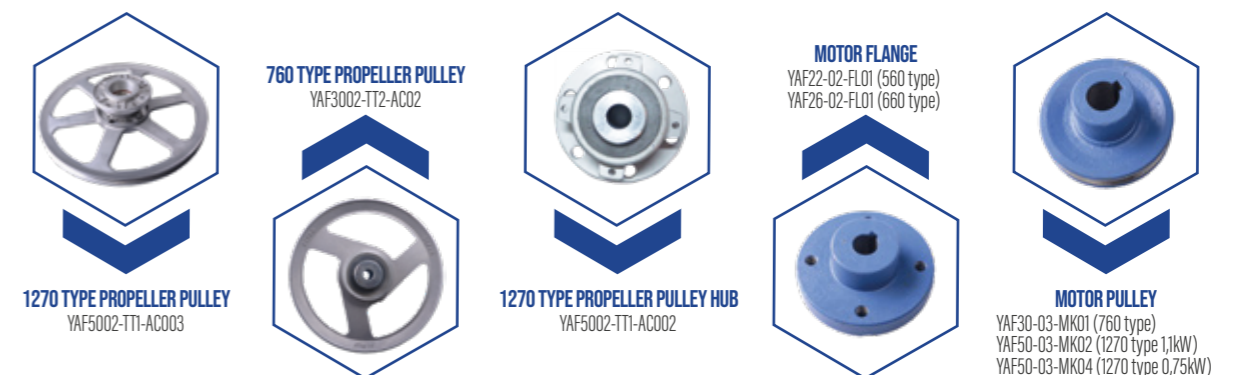
CENTRIFUGAL SYSTEM



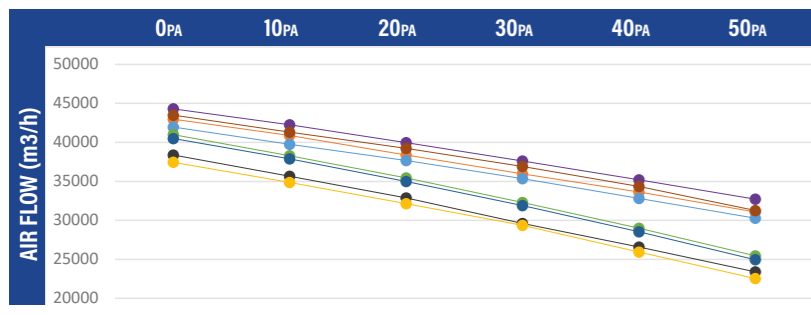
PROPELLER SET



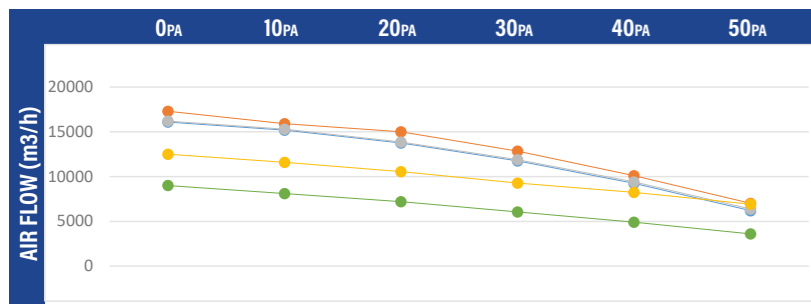
PULLEY SET



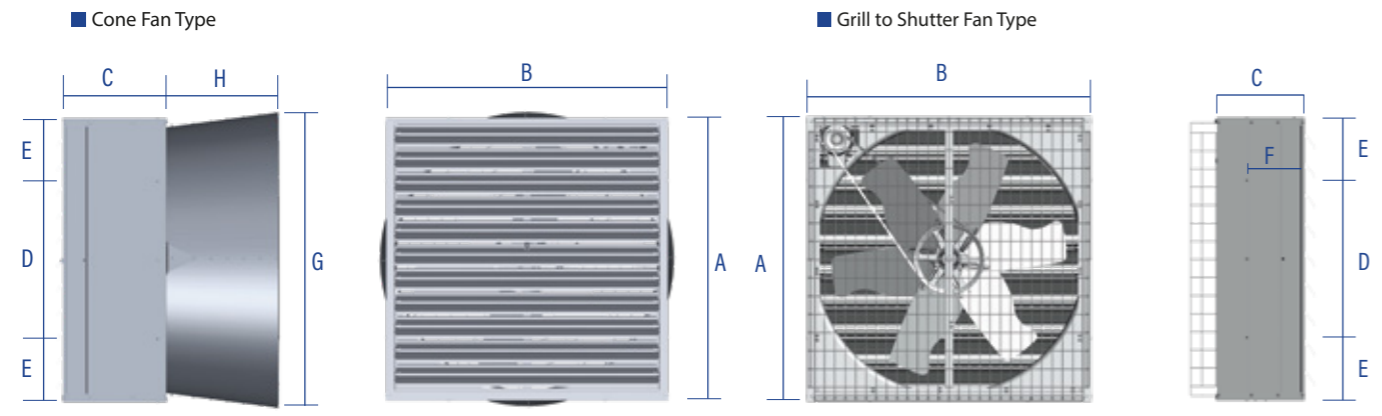
TECHNICAL SPECIFICATION



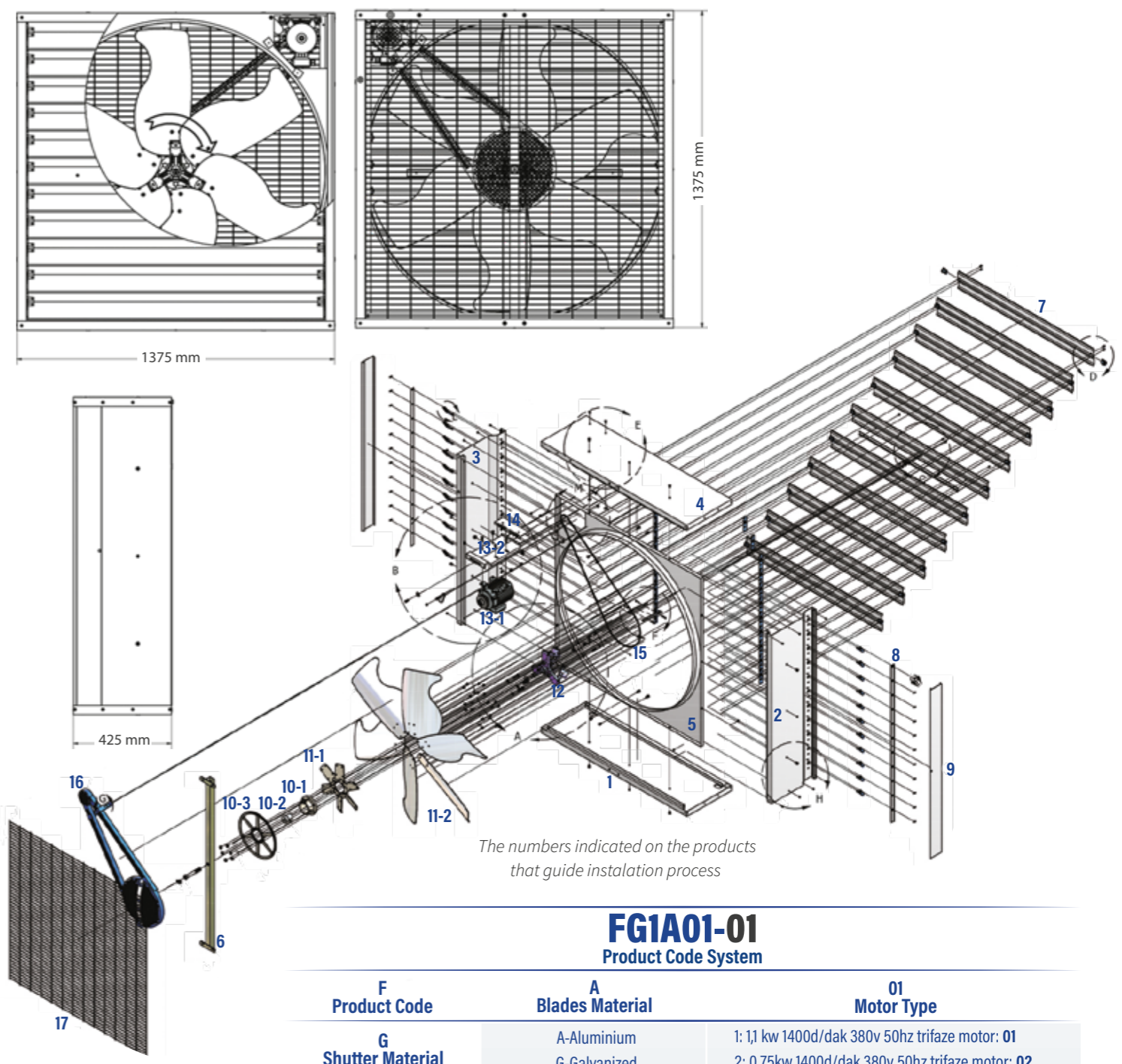
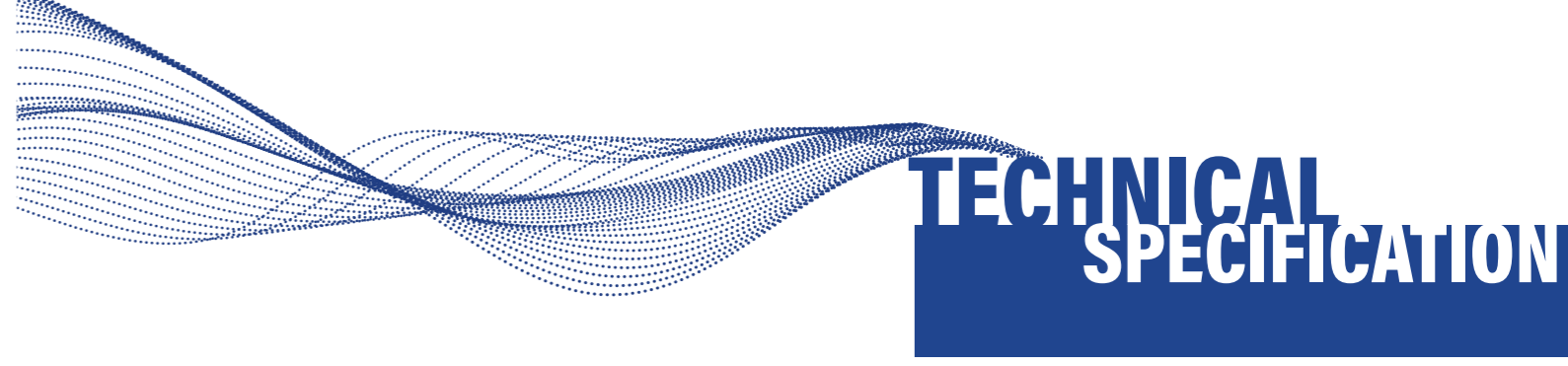
- 1270 Type**
- Aluminium /50" / 1,5 hp
 - Stainless Steel - Iron or Galvanized / 50" / 1,5 hp
 - Aluminium / 50" / 1,0 hp
 - Stainless Steel - Iron or Galvanized / 50" / 1,0 hp
 - Cone Type - Aluminium / 50" / 1,0 hp
 - Cone Type - Galvanized or Stainless Steel-Iron / 50" / 1,0 hp
 - Cone Type - Aluminium / 50" / 1,5 hp
 - Cone Type - Galvanized or Stainless Steel-Iron / 50" / 1,5 hp



- 760 Cone Fan / 30" / 0,5 hp
- 760 Grill to Shutter Fan / 30" / 0,5 hp
- 760 Grill to Grill Fan / 30" / 0,5 hp
- 660 Grill to Shutter and Grill to Grill Fan / 26" / 0,34 hp
- 560 Grill to Shutter and Grill to Grill Fan / 22" / 0,34 hp



FAN MODEL		1270	1270 Cone Type	760	760 Cone Type	660	560
PRODUCT NR.		01-18	19-24	25-28	29-30	31-34	35-38
Air-Quantity	m3/h	42980	44300	16200	17300	12600	9100
Propeller Rotation-Number	RPM	447	390	550	545	840	840
CFM		25300	26100	9550	10200	7420	5360
Ventilator Diameter	mm	1270	1270	760	760	660	560
Ventilator Motor-Power	HP/KW	1,5hp/1,1kw	1,5hp/1,1kw	0,5hp/0,37kw	0,5hp/0,37kw	0,34hp/0,25kw	0,34hp/0,25kw
Voltage	V	220/380	220/380	220/380	220/380	220/380	220/380
Current	A	2.8-2.0	2.8-1.8	1.1	1.1	0.9	0.5
A'measures	mm	1380	1380	950	950	850	650
B'measures	mm	1380	1380	950	950	850	650
C'measures	mm	430	430/525	430	430	300	300
D'measures	mm	764	764	420	420	400	290
E'measures	mm	308	308	265	265	225	180
F'measures	mm	130	70/20	130	70	50	45
G'measures	mm	-	1420	-	950	-	-
H'measures	mm	-	600	-	560	-	-
Weight	Kg	82-70	102-91	49-95	60	29	25
Volume	m3	0.82	1.97	0.39	0.90	0.19	0.13
Decibel	dBA	80	80	75	75	72	72



The numbers indicated on the products that guide installation process

FG1A01-01 Product Code System

F Product Code	A Blades Material	01 Motor Type
G Shutter Material	A-Aluminium G-Galvanized	1: 1,1 kw 1400d/dak 380v 50hz trifaze motor: 01 2: 0,75kw 1400d/dak 380v 50hz trifaze motor: 02
A-Aluminium G-Galvanized	S-Stainless Steel	3: 0,37kw 900d/dak 380v 50hz trifaze motor: 04 4: 0,37kw 1400d/dak 380v 50hz trifaze motor: 05 5: 0,25kw 900d/dak 380v 50hz trifaze motor: 06
1 Blades Diameter	01 Fan Type	6: 0,55kw 900d/dak 380v trifaze motor: 08
50" - 1270 mm 30" - 760 mm 26" - 760 mm 22" - 560 mm	01: Normal 02: USA Type With Cone 03: USA Type With Cone (760) 04: Grill to Grill (Wide Type) 06: Grill to Grill (Narrow Type) 09: Circular Type	7: 1,1kw 1400d/dak 220v 50hz monofaze motor: 50 8: 0,37kw 900d/dak 220v 50hz monofaze motor: 51 9: 0,37kw 1400d/dak 220v 50hz monofaze motor: 52 10: 0,25kw 900d/dak 220v 50hz monofaze motor: 53



ALTUNTAŞ
GRUP



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