



**KITCHEN
AND
BATHROOM
FANS**

VENTILATION SYSTEMS

 **VENTS-US**



KITCHEN
AND BATHROOM FANS



The Vitro & Vitro Star represent VENTS's newest innovation of axial extract residential fans. With glass decorative cover the fans are beautiful enrichment to the interiors, an ideal combination of form and function. Highlighted features include humidity sensor, timer and LED light. High quality materials ensure durability, high performance and safe operation. Easy installation in walls and ceiling. Low noise design. A variety of styles and finishes are available. The fans can be mounted on a wall or ceiling, and are compatible with 4", 5" and 6" ducts. No additional mounting box or special tools needed; easy installations with the help of screws and hose clamp. The fans can be connected to the supply through a switch, cord or dimmer.

Caution: The fans must not be used in bath or shower enclosures.



UL 507, 9th Edition & CSA/C22.2
No 113M1984

Vitro series



Vitro & Vitro Star

Features:

Features of Vitro & Vitro star fans:

Made of high quality ABS plastic

Glass front cover

Built-in LED-Lamp 2 W (Vitro star series)

7-blade silent impeller

Suitable for 40°F to +100°F ambient temperatures

Compatible with 4", 5", and 6" ducts

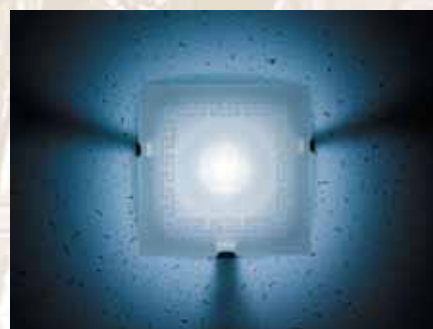
Airflow from 40 CFM to 152 CFM

Integrated component design allows all parts

to be dismantled for cleaning without the use of special tools

Supply voltage 120V/1/60 Hz

Five year warranty



Available options:



Timer for Vitro Star (T)



Timer and humidity sensor for Vitro Star (TH)



LED light (Star)

Different pictures of faceplates



Vitro 1

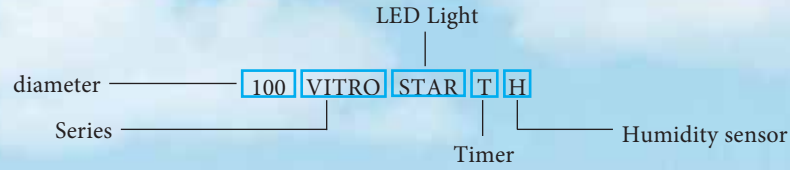


Vitro 2

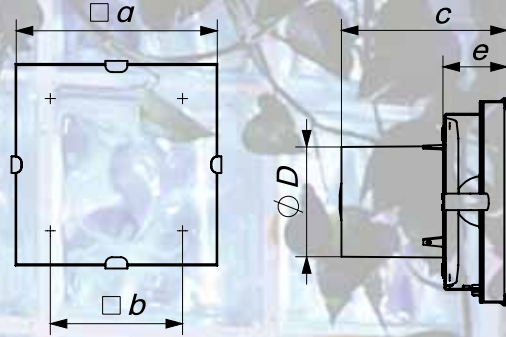


Vitro 3

REFERENCE SYMBOLS



Model	a	b	c	D	e
100 Vitro	7 3/16"	4 3/4"	5 3/4"	3 15/16"	2 5/16"
125 Vitro	8 1/16"	5 1/2"	5 3/4"	4 7/8"	2 5/16"
150 Vitro	9 3/16"	6 1/2"	6 5/8"	5 7/8"	2 5/16"
100 Vitro Star	7 3/16"	4 3/4"	5 15/16"	3 15/16"	2 5/16"
125 Vitro Star	8 1/16"	5 1/2"	6 1/8"	4 15/16"	2 5/16"
150 Vitro Star	9 3/16"	6 1/2"	6 13/16"	5 7/8"	2 5/16"



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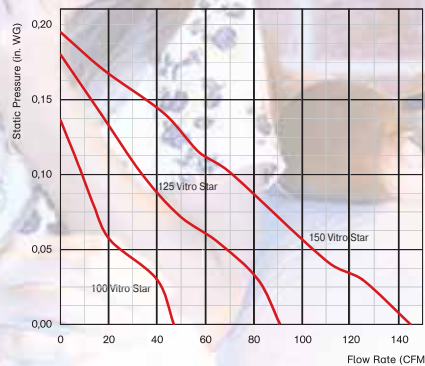
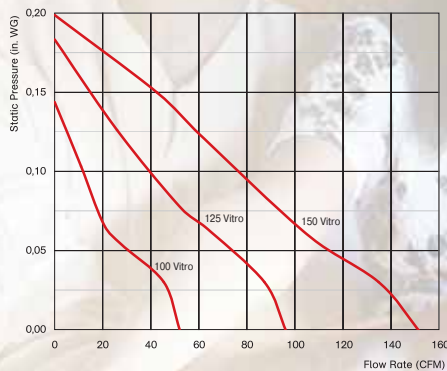
Model	RPM	Sones	Duct Diam.	Max. Watts	Max. Amps	CFM v Static Pressure (Ps) Ins. W.G.		Volts	Max. Ps
						0"	0,03"		
125 Vitro	2480	2,31	5"	15,20	0,19	96	87	120	0,18
125 Vitro Star	2500	2,25	5"	16,6	0,19	91	82	120	0,18

AMCA International Licensed Products.

Model	RPM*	Volts	Watts*	Amps*	CFM v Static Pressure (Ps) Ins. W.G.		Max. Ps	Duct Diam.	Sones
					0"	0,03"			
150 Vitro	2189	120	31,8	0,37	145	125	0,195	6"	2,81
150 Vitro Star	2189	120	31,8	0,37	145	125	0,195	6"	2,81

* The parameters RPM, Watts, Amps are indicated at 0.03 in. w.g. static pressure.

Pressure loss graphics determination



Performance certified is for installation type B – Free inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Use this statement only when nominal speed is catalogued. Performance ratings do not include the effects of appurtenances (accessories).



Ventilation Systems, PrJSC certifies that the Vitro series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

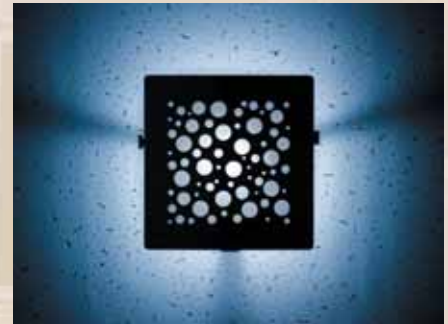
Caution: The fans must not be used in bath or shower enclosures.



Z series



Z & Z Star



Five year warranty



Different pictures of faceplates



Z1

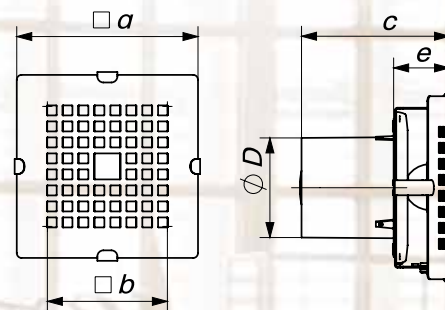


Z 2



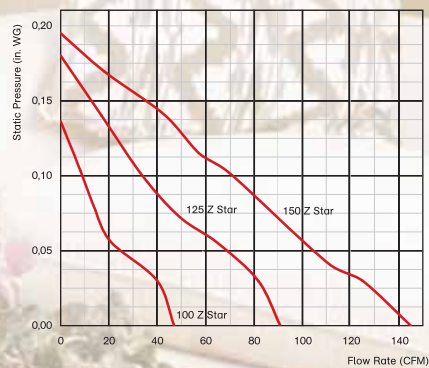
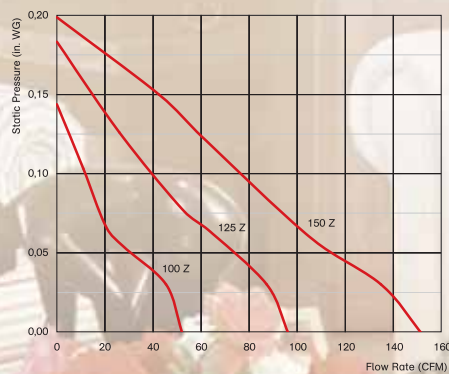
Z 3

Model	a	b	c	D	e
100 Z	7 1/8"	4 3/4"	5 5/8"	3 15/16"	2 3/16"
125 Z	8 1/16"	5 1/2"	5 5/8"	4 7/8"	2 3/16"
150 Z	9 1/16"	6 1/2"	6 9/16"	5 7/8"	2 3/16"
100 Z Star	7 1/8"	4 3/4"	5 13/16"	3 15/16"	2 3/16"
125 Z Star	8 1/16"	5 1/2"	6 1/16"	4 15/16"	2 3/16"
150 Z Star	9 1/16"	6 1/2"	6 3/4"	5 7/8"	2 3/16"



Model	RPM	Sones	Duct Diam.	Max. Watts	Max. Amps	CFM v Static Pressure (Ps) Ins. W.G.		Volts	Max. Ps
						0"	0,03"		
100 Z	2700	1,51	4"	14,5	0,17	52	45	120	0,14
125 Z	2480	2,31	5"	15,2	0,19	96	87	120	0,18
150 Z	1995	2,75	6"	33,4	0,40	152	135	120	0,20
100 Z Star	2820	1,43	4"	14,3	0,17	47	40	120	0,14
125 Z Star	2500	2,25	5"	16,6	0,19	91	82	120	0,18
150 Z Star	2289	2,81	6"	31,8	0,37	145	125	120	0,195

Pressure loss graphics determination



Axial extract LD fans are the perfect ventilation solution for modern kitchens, and bathrooms. The flat, square shaped front cover matches even the most sophisticated interior. Perfect for contemporary and modern design applications. The fans can be mounted on a wall or ceiling, and are compatible with 4", 5", and 6" ducts. No additional mounting box or special tools needed; easy installation with the help of screws and hose clamp. The fans can be connected to the supply through a switch, cord or dimmer.

Caution: The fans must not be used in bath or shower enclosures.



UL 507, 9th Edition & CSA/C22.2
No 113M1984

LD series

Features of LD fans:

Made of high quality ABS plastic

7-blade silent impeller

Suitable for 40°F to +100°F ambient temperatures

Compatible with 4", 5", and 6" ducts

Airflow from 42 CFM to 109 CFM

Color option: white or matt grey (Alu-matt)

Integrated component design allows all parts to be dismantled for cleaning without the use of special tools

Supply voltage 120V/1/60 Hz.

Five year warranty

Available options



Timer (T)



Timer and humidity sensor (TH)



Pull cord switch (V)



Timer and pull cord switch (VT)



Timer, humidity sensor and pull cord switch (VTH)



Back valve (K)

Shortened joining flange - only for 4" and 5" diameter fans. (model LD1 and LDA1)

Polished aluminum front panel, model LDA

Natural aluminium (chrome) front panel, model LDA Chrome

Natural aluminium (gold) front panel, model LDA Gold

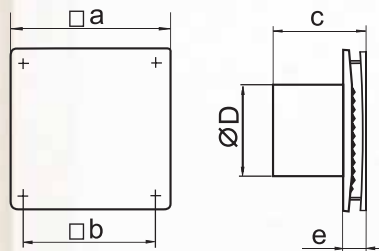


LDA Chrome



LDA Gold

Model	a	b	c	D	e
100 LD	6"	4 3/4"	4 15/16"	3 15/16"	1 3/16"
125 LD	6 15/16"	5 1/2"	5 5/16"	4 15/16"	1 5/16"
150 LD	8 1/8"	6 1/2"	6 1/16"	5 7/8"	1 7/16"



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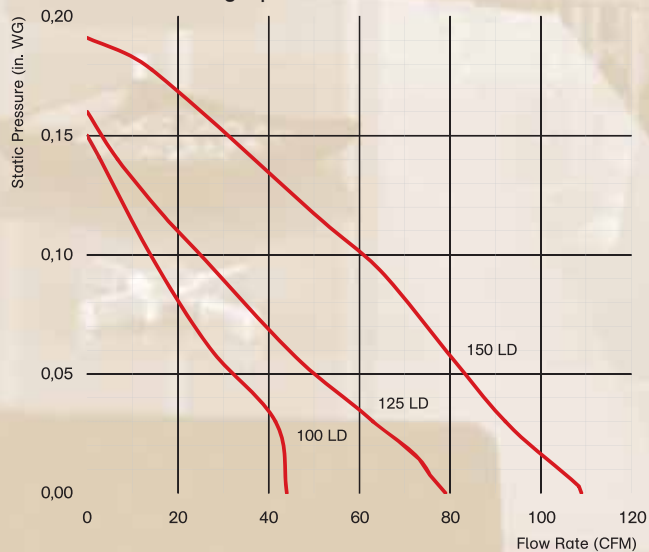
Model	RPM	Sones	Duct Diam.	Max. Watts	Max. Amps	CFM v Static Pressure (Ps) Ins. W.G.		Volts	Max. Ps
						0"	0,03"		
100 LD	2975	1,37	4"	13,9	0,18	44	42	120	0,15

AMCA International Licensed Products.

Model	RPM*	Volts	Watts*	Amps*	CFM v Static Pressure (Ps) Ins. W.G.		Max. Ps	Duct Diam.	Sones
					0"	0,03"			
125 LD	2400	120	15,4	0,19	79	63	0,16	5"	2,16
150 LD	2337	120	32,9	0,39	109	92	0,19	6"	3,00

* The parameters RPM, Watts, Amps are indicated at 0.03 in. w.g. static pressure.

Pressure loss graphics determination



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Axial extract MA fans with automatic shutters are classical and elegant models for any kitchens, bathrooms, or powder rooms. MA models include front cover, removable shutters, screws for easy mounting and long flanges provide simple duct connection. The fans can be mounted on a wall or ceiling and are compatible with 4", 5", and 6" ducts. No additional mounting box or special tools needed; easy installation with the help of screws and hose clamp.

The fans can be connected to the supply through a switch, cord, or dimmer.

Caution: The fans must not be used in bath or shower enclosures.



3166456

UL 507, 9th Edition & CSA/C22.2
No113M1984

MA series

Features:

Made of high quality ABS plastic

7-blade silent impeller

As the fan turns on, the automatic shutters open softly in 45 seconds and closes as the fan turns off

Suitable for 40°F to +100°F ambient temperatures

Compatible with 4", 5", and 6" ducts

Airflow 37 CFM to 176 CFM

Color option: white

Integrated component design allows all parts to be dismantled for cleaning without the use of special tools

Supply voltage 120V/1/60 Hz.

Five year warranty

Available options:



Timer (T)



Timer and humidity sensor (TH)



Pull cord switch (V)



Timer and pull cord switch (VT)

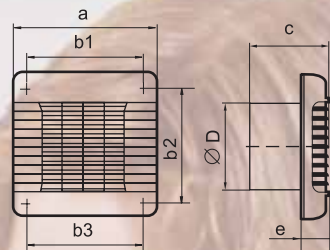


Timer, humidity sensor, and pull cord switch (VTH)



Timer and infrared sensor (TP)

Model	a	b1	b2	b3	c	D	e
100 MA	6 1/2"	5 7/8"	5 7/8"	5 7/8"	3 5/8"	3 7/8"	1 1/4"
125 MA	7 1/2"	5 1/16"	6 13/16"	6 7/8"	3 7/8"	4 15/16"	1 5/16"
150 MA	8 3/8"	5 7/8"	7 11/16"	7 11/16"	4 1/2"	5 7/8"	1 5/16"



AMCA International Non-Licensed Products.

Model	RPM	Sones	Duct Diam.	Max. Watts	Max. Amps	CFM v Static Pressure (Ps) Ins. W.G.		Volts	Max. Ps
						0"	0,03"		
100 MA	2756	1,82	4"	17,0	0,18	44	37	120	0,170

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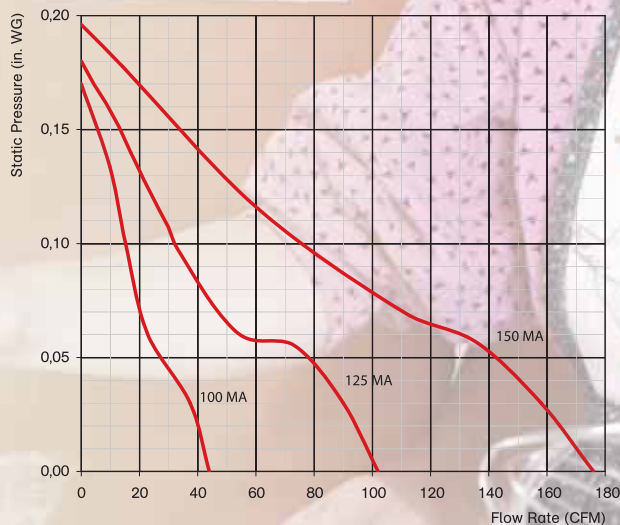
Model	RPM*	Volts	Watts*	Amps*	CFM v Static Pressure (Ps) Ins. W.G.		Max. Ps	Duct Diam.	Sones
					0"	0,03"			
125 MA	2150	120	19,2	0,21	102	90	0,18	5"	2,60
150 MA	2130	120	35,2	0,40	176	158	0,196	6"	2,70

* The parameters RPM, Watts, Amps are indicated at 0.03 in. w.g. static pressure.



Ventilation Systems, PrJSC certifies that the MA series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

Pressure loss graphics determination



Performance certified is for installation type B – Free inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Use this statement only when nominal speed is catalogued. Performance ratings do not include the effects of appurtenances (accessories).

Axial extract X fans are the perfect ventilation solution for modern kitchens, bathrooms, and powder rooms. The fans are supplied with light which turns on with the fan. The X exhaust fans can be mounted on a wall or ceiling, and are compatible with 4", 5", and 6" ducts. No additional mounting box or special tools needed; easy installation with the help of screws and hose clamp. The fans can be connected to the supply through a switch, cord, or dimmer.

Caution: The fans must not be used in bath or shower enclosures.



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UL 507, 9th Edition & CSA/C22.2
No113M1984

X Star series

Features:

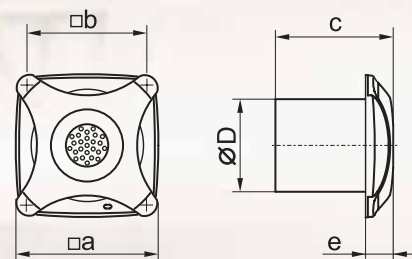
- Made of high quality ABS plastic
- 7-blade silent impeller
- Suitable for 40°F to +100°F ambient temperatures
- Compatible with 4", 5", and 6" ducts
- Airflow from 27 CFM to 107 CFM
- Color option: white or matt grey (Alu-matt)
- Integrated component design allows all parts to be dismantled for cleaning without the use of special tools
- Supply voltage 120V/1/60 Hz
- Five year warranty

Available options:



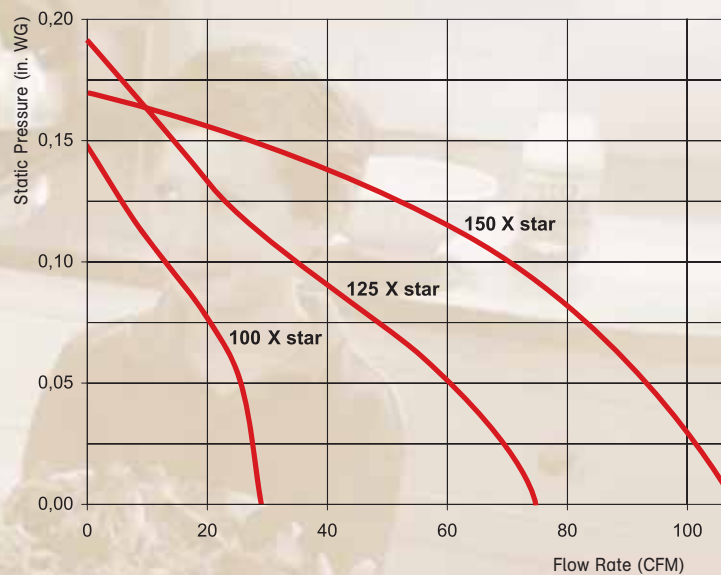
Back valve (K)

Model	a	b	c	D	e
100 X Star	5 15/16"	4 3/4"	5 3/16"	3 15/16"	1 7/16"
125 X Star	7"	5 1/2"	5 11/16"	4 15/16"	1 5/8"
150 X Star	8 1/16"	6 1/2"	6 5/16"	5 7/8"	1 5/8"



Model	RPM	Sones	Duct Diam.	Max. Watts	Max. Amps	CFM	Volts
100 X Star	2920	1,82	4"	14,4	0,16	27	120
125 X Star	2210	2,50	5"	16,15	0,19	74	120
150 X Star	2330	2,88	6"	32,09	0,40	107	120

Pressure loss graphics determination



The VKO 1 in-line input and extract fans are specially designed for mounting within any point of the ventilation duct.
Generally they are installed under drop ceilings which ensure quiet operation.
The fans can be connected to the supply through a switch, cord, or dimmer.
Caution: The fans must not be used in bath or shower enclosures.



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UL 507, 9th Edition & CSA/C22.2
No113M1984

VKO 1 series

Features:

Made of high quality ABS plastic
Suitable for 40°F to +100°F ambient temperatures
Compatible with 4", 5", and 6" ducts
Airflow from 53 CFM to 155 CFM
Color options: white
Supply voltage 120V/1/60 Hz.
Five year warranty

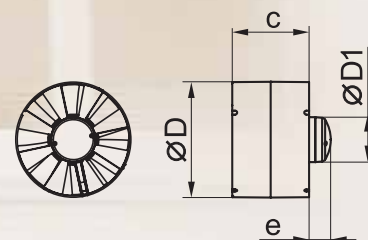
Available options:



Timer- VKO 1

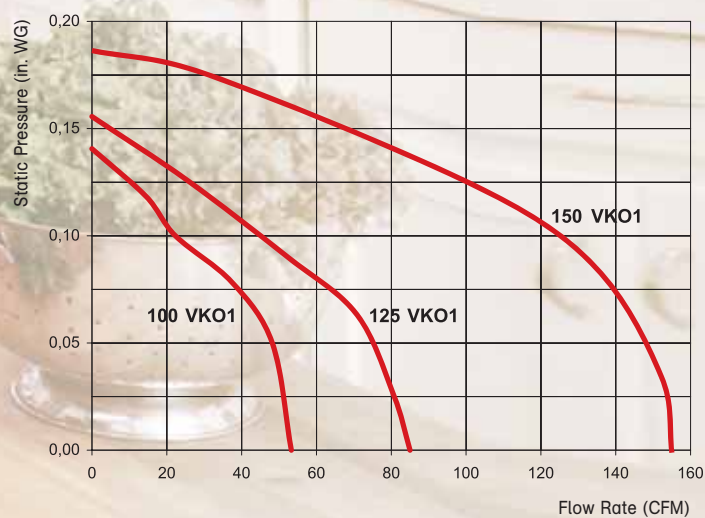
Fastening bracket - VKO 1 k

Model	c	D	D1	e
100 VKO1	3 3/8"	3 15/16"	2 5/16"	1 1/8"
125 VKO1	3 9/16"	4 15/16"	2 5/16"	1 1/8"
150 VKO1	3 15/16"	5 7/8"	2 5/16"	1 1/8"



Model	RPM	Sones	Duct Diam.	Max. Watts	Max. Amps	CFM	Volts
100 VKO1	2805	1,87	4"	13	0,16	53	120
125 VKO1	2150	2,50	5"	16	0,20	85	120
150 VKO1	2230	3,62	6"	33,15	0,41	155	120

Pressure loss graphics determination



Axial extract MAO1 and MAO2 fans feature automatic opening shutters and are specially designed for window mounting.
Suitable for window thickness from 3/16 " up 1 1/16".
The fans can be connected to the supply through a switch, cord, or dimmer.



UL 507, 9th Edition & CSA/C22.2
No 113M1984

MAO 1 (MAO 2) series

MAO1 series

MAO2 series

Features:

Made of high quality weather resistant ABS plastic

7-blade silent impeller

As the fan turns on, the automatic shutters open softly in 45 seconds and closes as the fan turns off

Suitable for 40°F to +100°F ambient temperatures

Compatible with 5" and 6" ducts

Airflow from 82 CFM to 135 CFM

Color option: white

Integrated component design allows all parts to be dismantled for cleaning without the use of special tools

Supply voltage 120V/1/60 Hz

Five year warranty

Available options:



Timer (T)

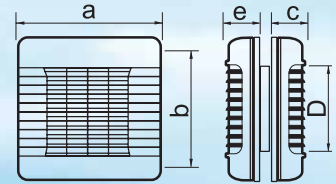


Pull cord switch (V)

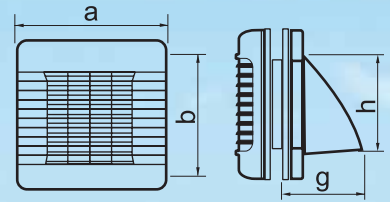


Timer and pull cord switch (VT)

Model	a	b	c	D	e
125 MAO1	7 1/2"	6 13/16"	2 1/16"	6 5/16"	2 5/16"
150 MAO1	8 3/8"	7 11/16"	2 3/8"	7 1/6"	2 5/16"

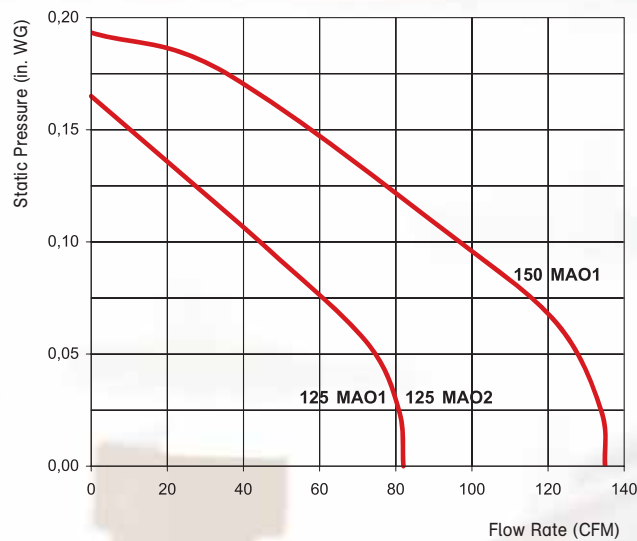


Model	a	b	g	h
125 MAO2	7 1/2"	6 13/16"	5"	5 7/8"



Model	RPM	Sones	Duct Diam.	Max. Watts	Max. Amps	CFM	Volts
125 MAO1	2310	2,55	5"	19,16	0,22	82	120
125 MAO2	2300	2,55	5"	19,24	0,22	84	120
150 MAO1	2100	2,30	6"	32,78	0,40	135	120

Pressure loss graphics determination



VN series exhaust fans are suitable for applications used in high-rise buildings due to their special design. VN fans are compact, fit perfectly within 2x4 walls. The fans can be installed in any direction and the output is automatically adjusted according to the static pressure of the duct system. Various front covers are available. VN fans combining high capabilities and pure safety were purposefully designed to satisfy these requirements. VN fans are the perfect ventilation solutions for bathrooms, kitchens, or powder rooms. Different model options are available; the fans can be supplied with or without the housing.



VN series

Models options:

VNV-1-80

VNV 1-80 exhaust fan contains no housing. It consists of snail turbine, cover, and filter. The fan is made of high quality ABS plastic with front reflector grill. The color option is white. The fan keeps high pressure by automatically changing the impeller's speed according to the resistance in ventilation systems. The two speed-control system allows choosing the optimal operation mode. Perfectly balanced turbine and automatically adjustable operation mode provide silent operation. The fan can be easily snapped in place and fixed with screws. The adjustable cover can hide imperfections occurred at installation. The filter protects the fan against grease and dust. VNV-1-80 extract fan is mounted either in fireproof (KP80) or plastic housing (KV80).

KP 80

KP 80 exhaust fan has fireproof housing which contains a 3 1/8" metal flange with fire damper that prevents flames passing through ventilation systems. The back valve automatically opens as the fan turns on and the spring closes the back valve when the fan is turned off. In case of fire or when the temperature rises to 194°F the melting insert gets destroyed and the spring closes the back-valve. It's necessary to change the back-valve in order to make the fan operational..

KP 80 extract fan is supplied with dust guard, a protective cover which prevents dust from penetrating into the fan during construction work.

KV 80

The KV 80 extract fan's housing is made of high quality ABS plastic which contains a 3 1/8" flange with gravity damper. KV 80 is supplied with dust guard, a protective cover which prevents dust from penetrating into the fan during construction work. Carefully position the back valve while mounting the housing on a wall.

VNV-1-80 KP VNV-1-80 KV

The VNV-1-80 KP exhaust fan is supplied with fire proof housing.

VNV-1-80 KV extract fan is supplied with plastic housing.



Chrome



Gold



Decor 1

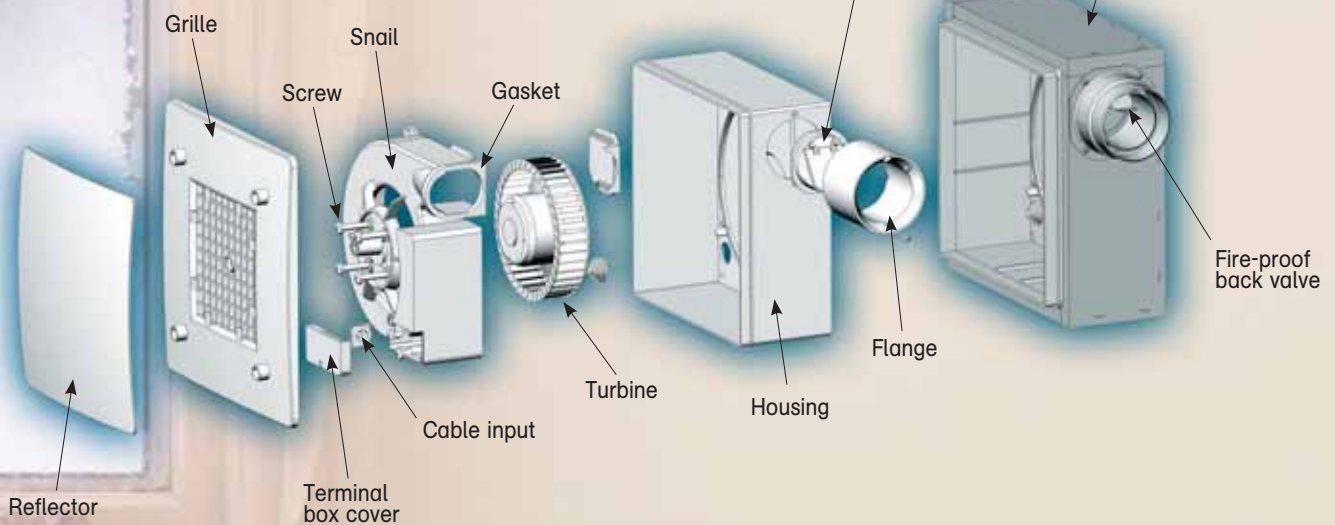
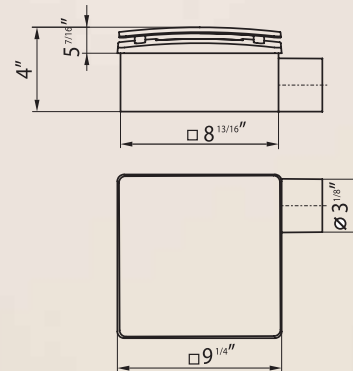
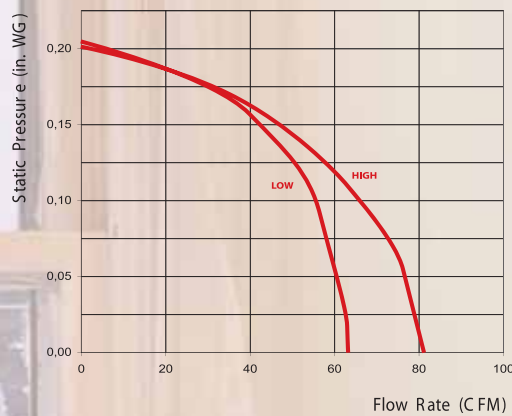


Decor 2

Made of high quality ABS plastic.
 Airflow from 63 up to 81 CFM.
 Color options: white.
 Ball Bearing motor ensures long life of the fan without the need of maintenance.
 The fan's centrifugal impeller has forward curved blades.
 The flange with back valve connects the fan to the duct without the use of special tools.
 The fire proof body has refractory coating to yield maximum protection.
 The filter prevents dust penetrating into the fan's impeller.
 Five year warranty

Model	Speed	RPM	Volts	Max Watts	Max Amps	CFM v Static Pressure (Ps) Ins. W.G								Sones
						0"	0,25"	0,5"	0,75"	1,0"	1,25"	1,5"	1,75"	
VNV-1 80 KV	low	1450	120	48	0,39	63	62	60	58	55	50	43	30	1,0
	high	1470		52	0,44	81	79	76	73	65	57	46	31	1,1

Pressure loss graphics determination



Axial extract K fans are the perfect ventilation solution for modern kitchens, bathrooms, or powder rooms. Front cover design provides optimal airflow and the anti-mosquito net prevents insects from entering the ventilation shaft. The fans can be mounted on a wall or ceiling, and are compatible with 4", 5", and 6" ducts. No additional mounting box or special tools needed; easy installation with the help of screws and hose clamp. The fans can be connected to the supply through a switch, cord, or dimmer.

Caution: The fans must not be used in bath or shower enclosures.



3166456

UL 507, 9th Edition & CSA/C22.2
No113M1984

K series

Features:

Made of high quality ABS plastic

7-blade silent impeller

Anti-mosquito net

Suitable for 40°F to +100°F ambient temperatures

Compatible with 4", 5", and 6" ducts

Airflow from 39 CFM to 106 CFM

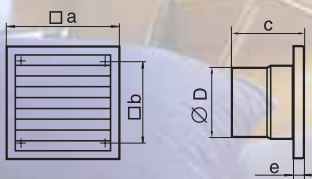
Integrated component design allows all parts to be dismantled for cleaning without the use of special tools

Supply voltage 120V/1/60 Hz.

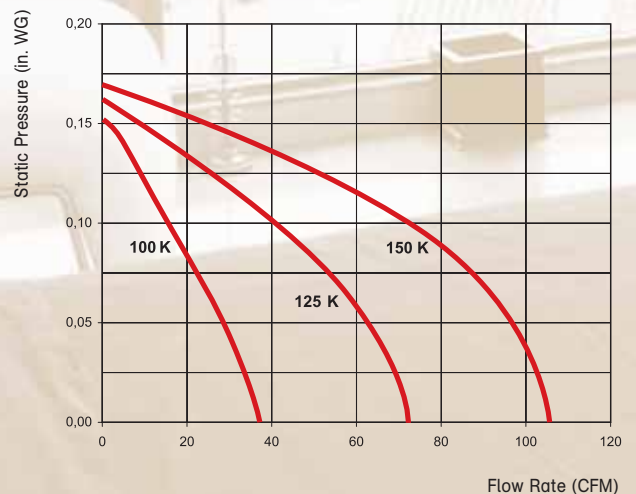
Five year warranty

Model	RPM	Sones	Duct Diam.	Max. Watts	Max. Amps	CFM	Volts
100 K	2995	1,80	4"	13,35	0,17	39	120
125 K	2490	2,62	5"	16,01	0,20	72	120
150 K	2225	3,08	6"	32,94	0,41	106	120

Model	a	b	c	D	e
100 K	6"	4 5/16"	4 1/8"	3 15/16"	9/16"
125 K	7 5/16"	5 9/16"	4 7/16"	4 15/16"	9/16"
150 K	9 13/16"	8 7/16"	5"	5 7/8"	9/16"



Pressure loss graphics determination





Gravity grille



Wall hood

ACCESSORIES

Grille



Round grille



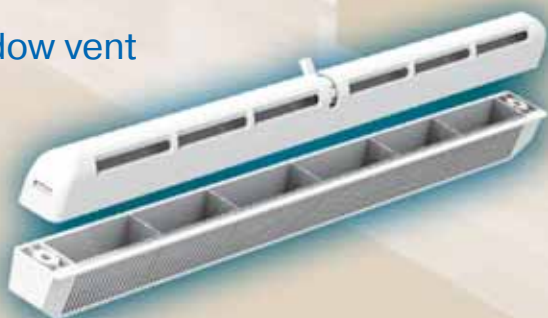
Diffuser



Wall vent



Window vent



Aluminum flexible duct

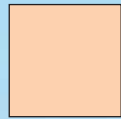


DECORATIVE PANEL RV

Easy front cover change (for all models except VKO type)
Fan-combined or single delivery possible



Ice blue



Beige



Blue



Mint



Steel

ORDER CODE



- Built in timer. A 2-30 minute delay timer turns off the fan. (2-30 min)



- Fan switches on/off with the help of pull-cord.



- Fan is supplied with electronic processor to monitor humidity for the prevention of condensation.

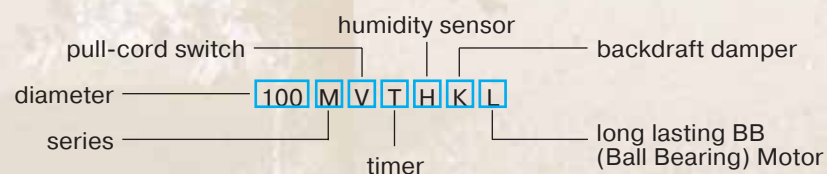


- Motion sensor. The fan activates when a person enters the room and it continues to operate for the duration the timing interval is set. period (adjustable 2-30 minutes)



- Backdraft damper, designed to prevent back draft.
- Available for the following models: M, M1, D, S, M3, X, X1, LD.

DESIGNATION KEY

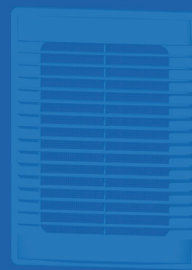
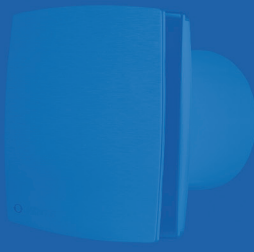
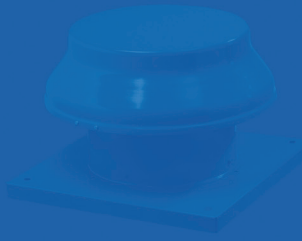
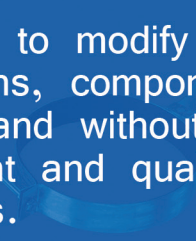


CONTENTS

Vitro Series	2
Z Series	4
LD Series	6
MA Series	8
X Series	10
X Star Series	12
VKO 1 Series	14
K(K1) Series	16
PF Series	18
D Series	20
MAO 1(MAO 2) Series	22
CF Series	24
VN Series	26
Accessories	30



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