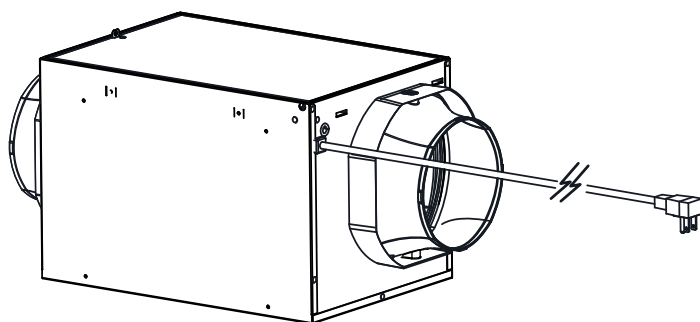


FSFXXAOA1180 Fresh Air Supply Fan



Turn to the experts

Product Data



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180 CFM at 0.2 in. w.g.

170 CFM at 0.4 in. w.g.

Complies with code requirements from 25 CFM to 180 CFM

The Fresh Air Supply Fan is an effective supply air solution for hot and mixed climates. It offers the greatest reduction of HERS score compared to CIFS solutions. No matter how dry or humid your local conditions, they're no match for the fresh air comfort from this outstanding product. The Fresh Air Supply Fan delivers energy-efficient ventilation in compliance with local building codes. Designed for flexible installation, the unit can be installed horizontally, vertically, upside down, or flush to the ceiling. Better yet, the Fresh Air Supply Fan comes with five preset comfort modes, so you can choose the perfect setting for your home and local conditions and thanks to its ECM motor, it will deliver constant airflow in typical installations. A sophisticated algorithm selects the best time of the day for ventilation and takes advantage of air handler usage, making it the most intelligent, versatile, reliable and energy-efficient supply fan on the market.

Product specifications are subject to change without notice.

Mechanical components

- High efficiency ECM motor
- Constant airflow blower designed to maintain the selected airflow in standard installations
- Silent ventilation with balanced metallic dual inlet blower wheel
- Motorized damper
- Blower efficiency as high as 9.7 CFM/W
- Protection grille for blower

Advanced electronic features

- Learns from the AHU's operation patterns and the climate variations to provide optimal efficiency
- Eight operation modes: 3 code-compliant modes and 5 comfort and energy-saving modes
- Temperature and humidity sensor
- Temperature and humidity limit settings
- Two possible speeds at set up (130 & 180 CFM)

Installation features

- Unequaled installation flexibility: stand alone or combined to an AHU; ceiling hung, attic, flush to ceiling, ceiling mounted, wall mounted
- Paintable door and frame
- Compact and designed to fit between 12-in. c.c. joists
- 6-in. diameter ports with integrated test ports and bumps to maintain tie-trap in place
- 6-ft power cord
- Easy maintenance: can be done within 5 minutes through the access door
- Powered from AHU 24 VAC (R,C) (or low voltage transformer)
- Connected to thermostat (W, Y, G)

Requirements and standards

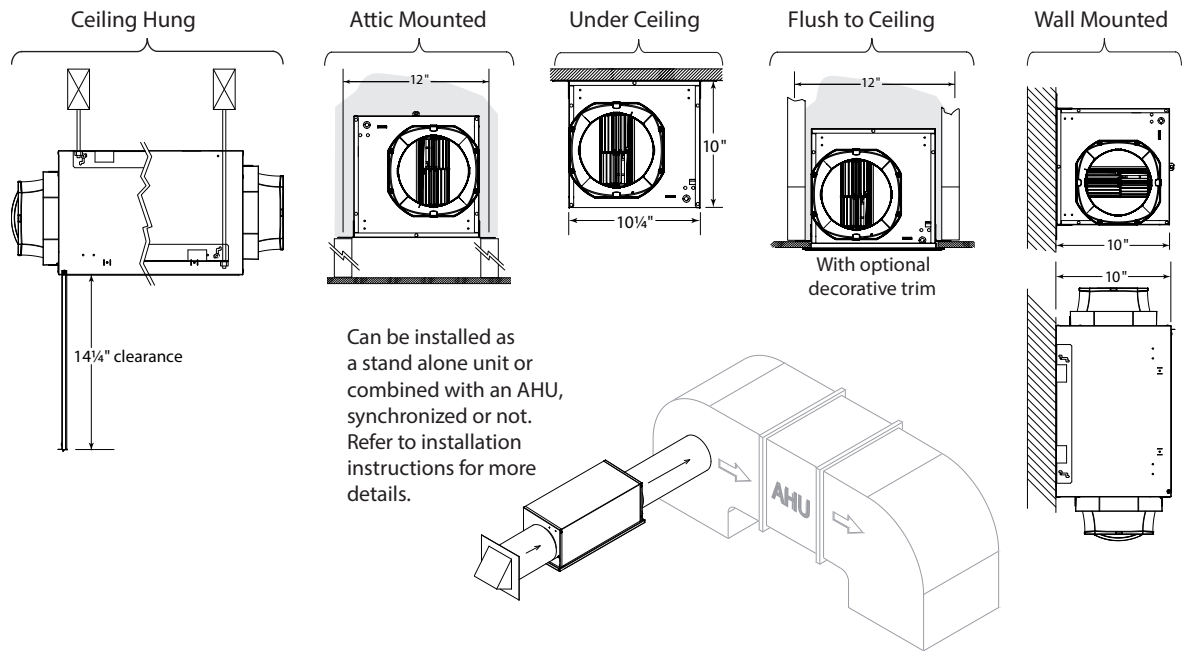
When properly installed and set, this unit will meet requirements of:

- EPA Indoor airPLUS, Version 1
- 2012 & 2015 IECC, Version 2018
- 2012 & 2015 IRC, Version 2018
- ENERGY STAR® Most Efficient 2021 recognition
- ASHRAE 62.2-2010 & 62.2-2016

Table 1 – Characteristics

Noise	0.65 sone at 130 CFM
Weight	11 lb.
Shipping Weight	14.5 lb.
Ports Diameter	6 in.
Width	10-1/4 in.
Length	14-3/4 in. (without ports)
Height	10 in.
Speeds	130 CFM or 180 CFM includes a time-based adjustment
Minimum Operating Temperature	14°F

Mounting Options

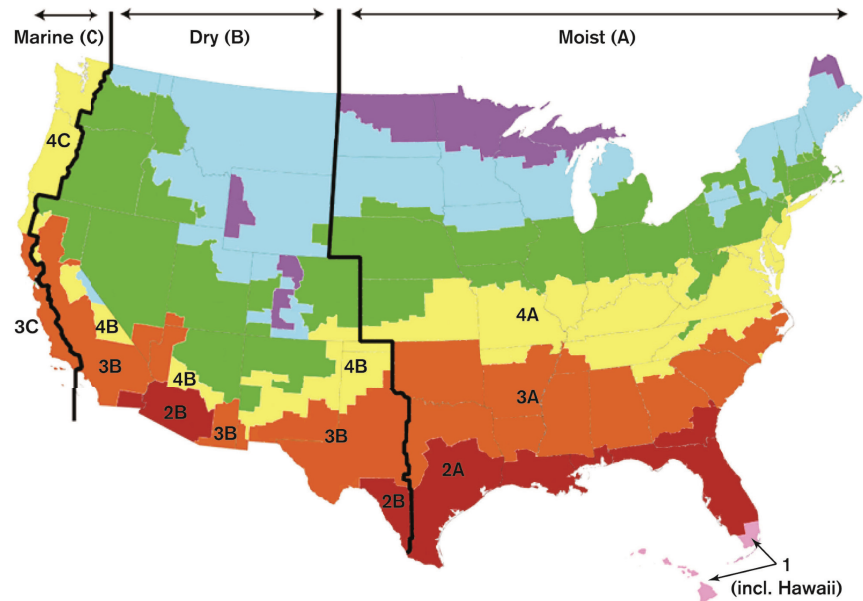


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Table 2 – Limits

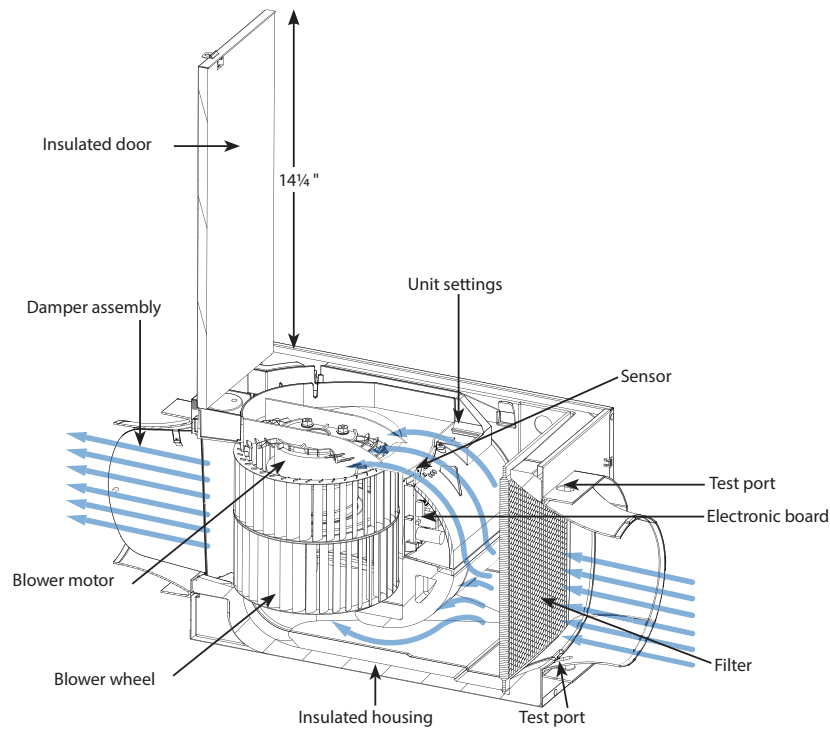
Selected Mode	Installation Zones*	No Thermostat Call				Thermostat Heating Call		Thermostat Cooling Call	
		Lower limits (°F)		Upper limits (°F)		Lower limits (°F)		Upper limits (°F)	
		T°	Dew point	T°	Dew point	T°	Dew point	T°	Dew point
1 - Ashrae 2016	1 - 4	14	Code compliant – no limits			14	Code compliant – no limits		
2 - Ashrae 2010 (factory setting)	1 - 4	14				14			
3 - IRC / IMC 2012-2015	1 - 4	14				14			
A - Comfort mode Hot / Humid #1	2A, 1	40	23	88	73	32	14	96	78
B - Comfort mode Hot / Humid #2	1, 2A	40	23	90	75	32	14	98	80
C - Comfort mode Hot / Dry	2B	40	23	95	75	32	14	102	85
D - Comfort mode Mixed / Humid	3A, 4A, 3C, 4C	40	23	85	75	32	14	90	80
E - Comfort mode Mixed / Dry	3B, 4B	40	23	86	75	32	14	95	80

*, Not recommended in all other zones.



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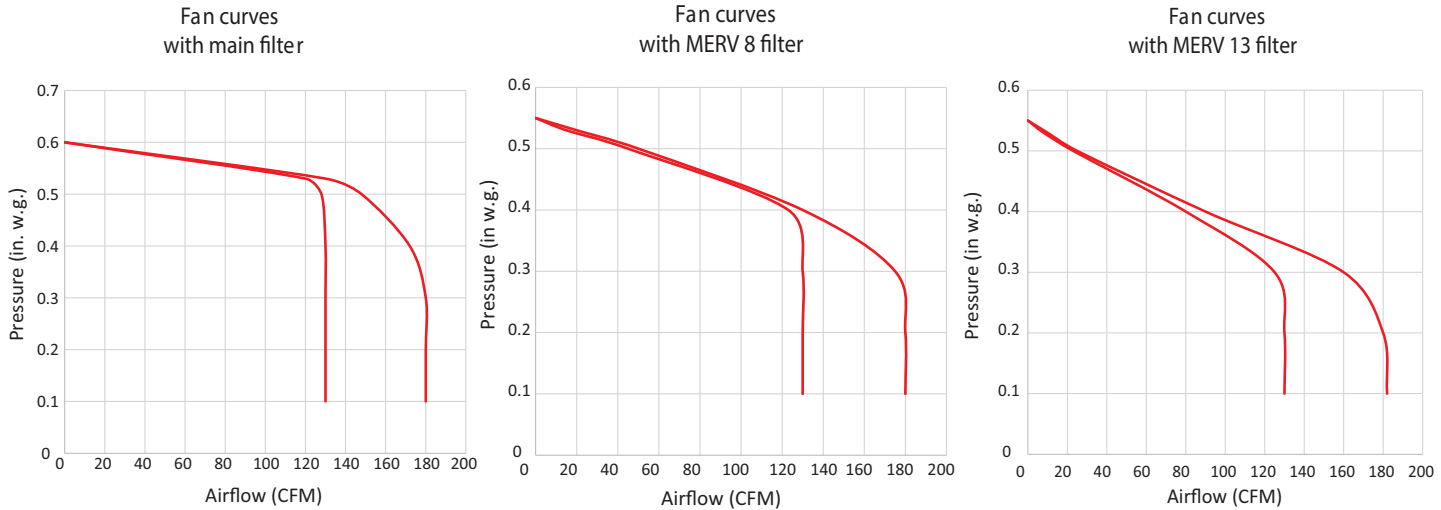
Details & Performance



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Fan Curves

Airflow adjustable at 130 or 180 CFM.



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Table 3 – Electricity Consumption

Airflow setting (CFM)		130			180		
Static Pressure (in. w. g.)		0.1	0.2	0.4	0.1	0.2	0.4
Main Filter	Power (Watts)	13.4	18.2	26.5	23.5	28.2	40.0
	Efficiency (CFM/Watts)	9.7	7.1	4.9	7.7	6.4	4.9
MERV 13	Power (Watts)	20.1	25.0	N/A	33.4	38.7	N/A
	Efficiency (CFM/Watts)	6.5	5.2	N/A	5.4	4.7	N/A

Table 4 – Accessories

Description	Part Number
Wall control that offers an ON/OFF function	KVATM010120C
9-1/4" x 9-1/4" MERV 8 filter	SS99010461
9-1/4" x 9-1/4" MERV 13 filter	SS99010462
Paintable decorative finishing trim for discreet installation	KVAAC0101DFT

Factory setting: 130 CFM, 60% Run time, Mode 2
120 VAC, 60 Hz, 0.7 Amp

NOTES: