Technical Data Sheet

Attic Breeze Solar Attic Fan

Series: AeroBreeze

Description: Solar powered attic fan constructed from corrosion resistant aluminum, featuring a 12 inch diameter fan blade, stainless steel hardware throughout, thermal switch and fire safety switch included.

Applications: Residential or Commercial attic ventilation

Technical Specification	Model	Wattage	Max Airflow	Attic Coverage	Minimum Intake
Model Specifications	PRO: HP: MAX:	25W 35W 45W	1475 CFM 1625 CFM 1650 CFM	up to 2,375 ft² up to 2,625 ft² up to 2,650 ft²	5.0 ft² (720 in²) NFA 5.52 ft² (795 in²) NFA 5.52 ft² (795 in²) NFA
Roof Pitch Compatibility	Self-Flashing: 3/12 – 12/12 Curb-Mount: Flat – 12/12				
Fan Diameter	12 in				
Calculated Passive NFVA — Fan Off (in²/unit)	120 in² (0.83 ft²)				
Noise Level	< 30 dB				
Warranty	Lifetime Limited Parts Warranty				





Specifications			
Category	Listing	Details	
Materials	Hood:	(0.08 in; 2.0 mm) 3003-O Aluminum (ASTM B209); seamless spun hood	
	Base:	(0.08 in; 2.0 mm) 3003-O Aluminum (ASTM B209); seamless spun flashing	
	Hood Support Ring:	(0.08 in; 2.0 mm) 3003-O Aluminum (ASTM B209); formed support ring	
	Motor Bracket:	10 GA (0.1 in; 2.54 mm) 5052 Aluminum (ASTM B209)	
	Wildlife Screen	23 GA (0.028 in; 0.710 mm) 304 Stainless Steel; 0.25 in x 0.25 in welded wire mesh	
	Hardware & Fasteners:	1/4" 18-8 Stainless Steel	
	Fan Blade:	16 GA (0.050 in; 1.270 mm) Aluminum AL5052 (ASTM B209); 12 in (305 mm) diameter, 5-wing precision balanced blade	
	PV Panel:	6063-T5 aluminum frame; impact-resistant tempered glass	
Finish	Coating Type:	Powder coated baked-on TGIC Polyester coating	
	Colors:	Standard: Jet Black, Bronze Brown, Weathered Gray, Polar White, Terracotta, Mill Finish (sans powder coating) Premium: Hickory, Shakewood, Brick Red, Hawaiian Blue, Anodized Silver, Classic Green, Turquoise, Sandstone	
Electrical	Electrical Motor:	PowerMaxx™ variable speed brushed DC motor	
	PV Panel:	Monocrystalline PERC Solar Panel	
	Internal Wiring:	16/18 AWG wiring throughout unit	
	Termination:	UV/weather resistant quick disconnect plugs	
	Fan Control:	Includes UL- and CSA-certified temperature-regulating component (US-602S series; UL file E52529, CSA file 1061290) with automatic activation at 75°F (±7°F) and deactivation at 55°F (±9°F). Includes one-shot thermal cutoff (nominal activation temperature approximately 230°F (110°C)) compliant with UL60691 and international equivalents.	
Weight Load	Fan Model:	WEIGHT (lbs)	
		SFA	CM
	25W PRO	23.6	23.4
	35W HP	23.6	23.4
	45W MAX	26.4	26.2

**** Proper sizing depends on a variety of factors including roof pitch, attic area, architecture, roof color, as well as the specific ventilation application. Please visit our website at www.atticbreeze.com for additional information or contact your local Authorized Attic Breeze Dealer for assistance.***

Minimum intake ventilation should equal or exceed the Net Free Area (NFA) requirements listed above to achieve rated airflow performance. Insufficient intake ventilation may reduce airflow, increase risk of attic depressurization, and impact overall system effectiveness.

Net Free Area (NFA) values represent total unobstructed intake ventilation area available to the attic space. Intake ventilation may consist of soffit vents, fascia vents, edge intake systems, or equivalent code-compliant intake ventilation products.
Powered attic ventilators should not be installed without adequate intake ventilation. Insufficient intake ventilation may reduce fan performance and increase negative attic pressure.

Published airflow ratings are derived from laboratory testing and engineering performance analysis. Actual performance may vary based on environmental conditions, attic configuration, and installation characteristics.

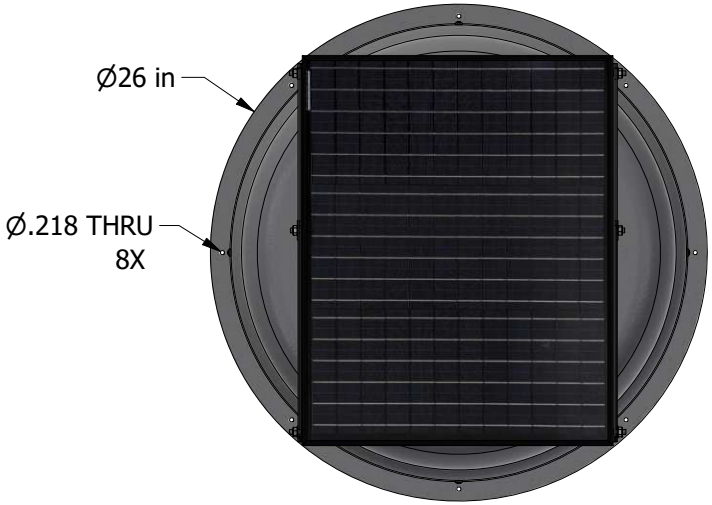
Wind Rating & Certifications	
Category	Specifications
Wind Resistance	Tested in accordance with TAS 202. Maximum allowable design pressure: −110 psf ASD (FL31962-R4)
Wind-Driven Rain Resistance	Tested in accordance with TAS 100(A), subject to the installation conditions and limitations stated in the applicable approval documents
Florida Product Approval	FL31962-R4
Miami-Dade NOA	NOA No. 26-0702.03
HVHZ Approval	Approved for installation within and outside the High Velocity Hurricane Zone when installed in accordance with the approved assembly and installation instructions
Impact Resistance	Not impact rated

Performance ratings and approvals apply only to approved product configurations installed in accordance with the manufacturer's installation instructions and applicable approval documentation. SOLAR PANELS SHALL BE IN THE FULLY RETRACTED AND SECURED POSITION PRIOR TO ANY NAMED STORM OR SIMILAR HIGH-WIND EVENT.

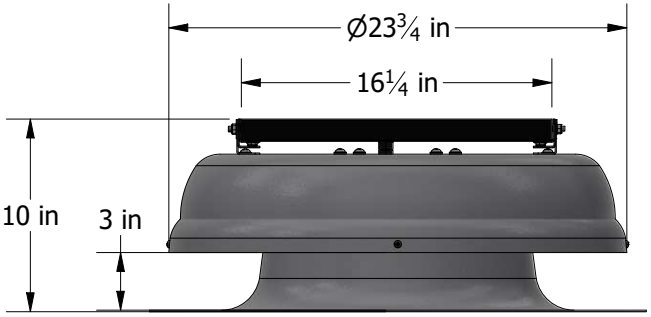
Refer to the applicable Florida Product Approval and Miami-Dade NOA documentation for approved configurations, installation requirements, and limitations.

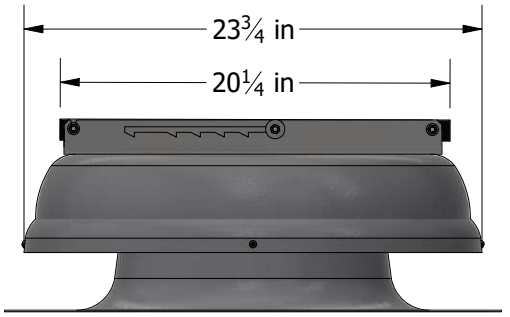
Installation Guidelines
Install at least 5 ft from passive vents and at least 10 ft from active vents.
Locate as close to the ridge as possible while allowing proper flashing (approximately 3 ft below the ridge, where flashing clearance allows).
Passive NFVA: 120 in²/unit — fan off.
Basis: current brushed-motor CAD; 0.028-in screen; calculated 2026-10-05.

AEROBREEZE SFA PRO/HP

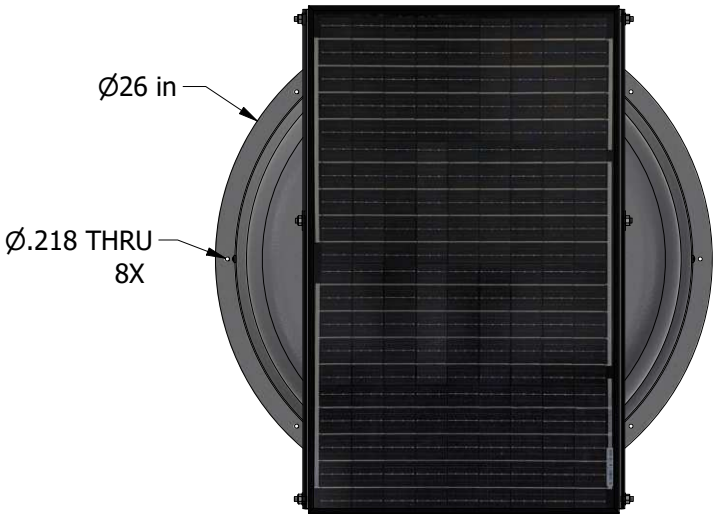




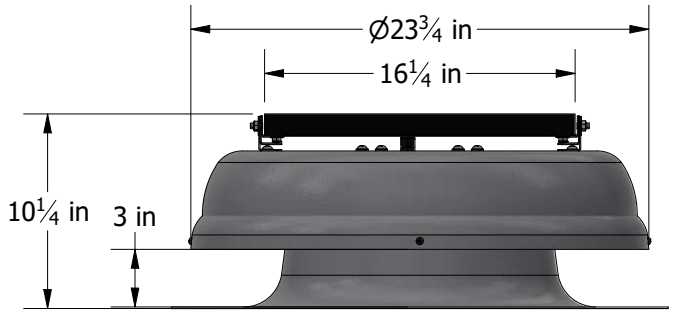


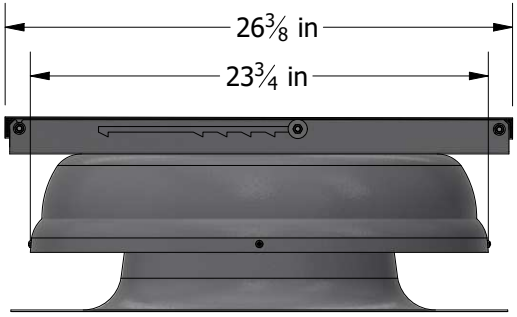


AEROBREEZE SFA MAX



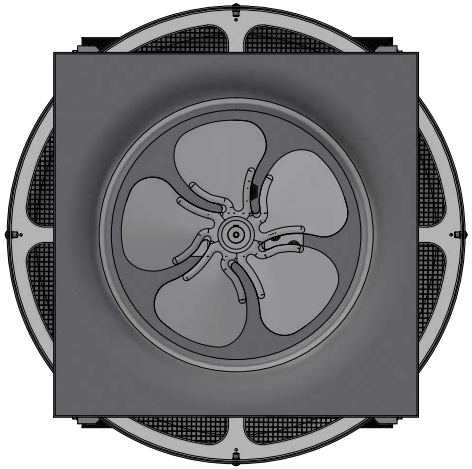


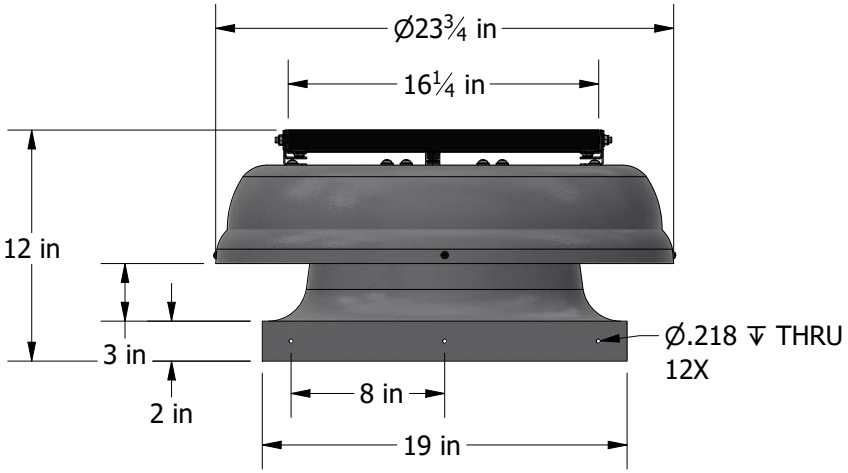




AEROBREEZE CMA PRO/HP









AEROBREEZE CMA MAX



