Technical Data Sheet

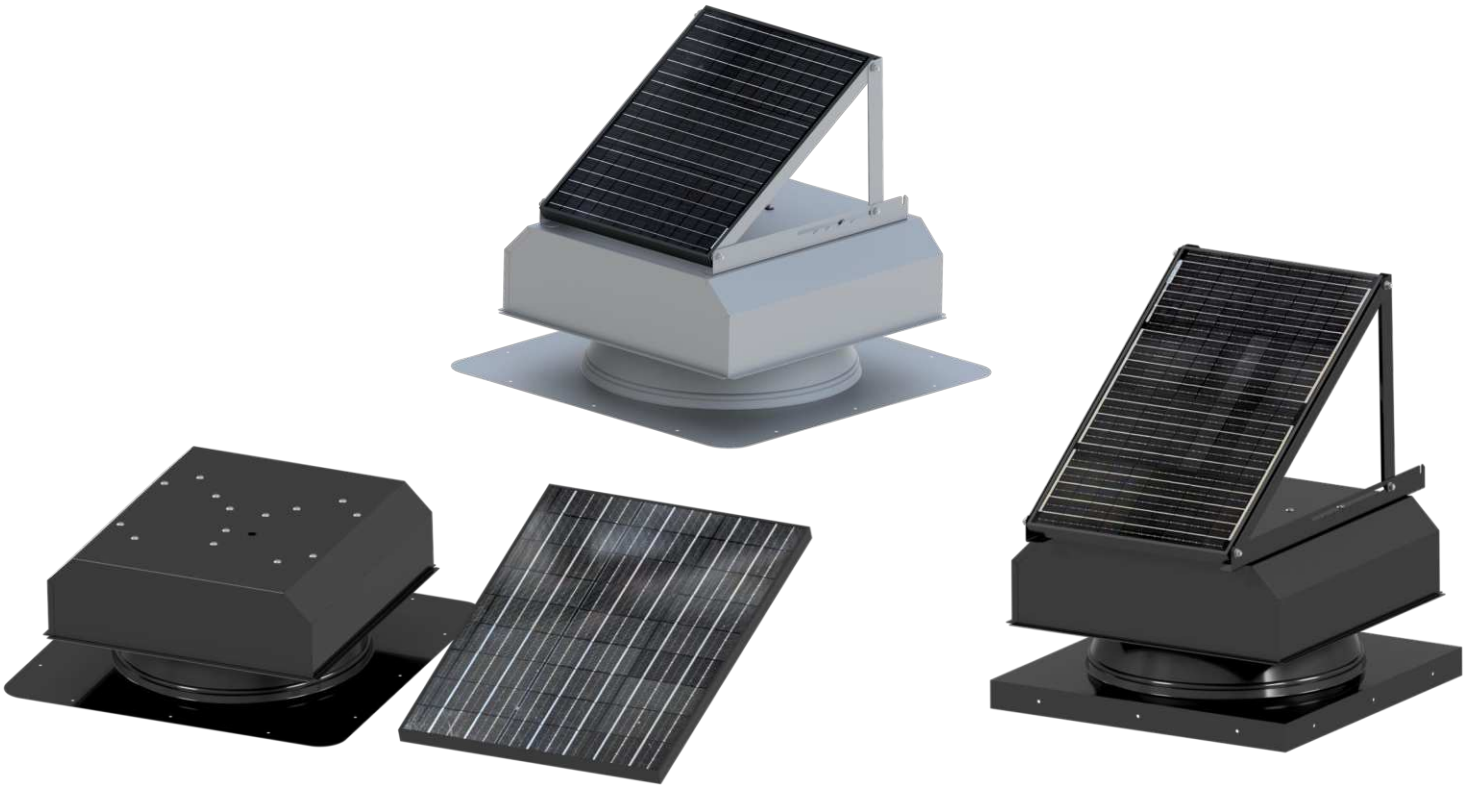
Attic Breeze Solar Attic Fan

Series: UltraBreeze

Description: Solar powered attic fan constructed from corrosion resistant zincalume alloy steel, featuring a 14 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: ELITE:	25W 35W 45W 65W	1550 CFM 1775 CFM 1925 CFM 2150 CFM	up to 2,000 ft² up to 2,500 ft² up to 3,000 ft² up to 4,000 ft²	6.0 ft² (864 in²) NFA 7.0 ft² (1008 in²) NFA 7.5 ft² (1080 in²) NFA 8.5 ft² (1224 in²) NFA
Roof Pitch Compatibility	Self-Flashing: 3/12 – 12/12 Curb-Mount: Flat – 12/12				
Fan Diameter	14 in				
Calculated Passive NFVA — Fan Off (in²/unit)	175 in² (1.22 ft²)				
Noise Level	< 30 dB				
Warranty	Lifetime Limited Parts Warranty				



Specifications				
Category	Listing	Details		
Materials	Hood & Base:	23 GA (0.027 in; 0.686 mm) Zincalume/Galvalume AZ50 (ASTM A792)		
	Hood Brackets:	16 GA (0.0598 in; 1.519 mm) Galvanized Steel G90 (ASTM A653)		
	Solar Panel Brackets:	16 GA (0.0598 in; 1.519 mm) Galvanized Steel G90 (ASTM A653)		
	Motor Brackets:	12 GA (0.105 in; 2.667 mm) 304 Stainless Steel (ASTM A666)		
	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); 14 in (356 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 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	Attached	WEIGHT (lbs)		
	25W PRO	30.2		
	35W HP	30.2		
	45W MAX	33.0		
	Detached	FAN (lbs)	PANEL (lbs)	COMBINED (lbs)
	25W PRO	20.2	5.5	25.7
	35W HP	20.2	5.5	25.7
	45W MAX	20.2	6.9	27.1
	65W ELITE	20.7	9.4	30.1

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.

**** 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.***

Wind Rating & Certifications (Attached Panel Models)	
Category	Specifications
Structural Wind Resistance—Attached Panel	Tested in accordance with TAS 202 and ASTM E330. Maximum allowable design pressure: ±125 psf ASD
Wind-Driven Rain Resistance—Attached Panel	Tested in accordance with TAS 100(A) for approved ridge-vent applications, subject to the installation conditions and limitations stated in the approval documents
Florida Product Approval—Attached Panel	FL47212
Miami-Dade NOA—Attached Panel	NOA: 25-0625.11
HVHZ Approval—Attached Panel	Approved for installation within and outside the High Velocity Hurricane Zone when installed in accordance with the approved assembly and installation instructions

Wind Rating & Certifications (Detached Panel Models)	
Category	Specifications
Wind Resistance—Detached Panel	Maximum allowable design pressure: ±115 psf ASD
Florida Product Approval—Detached Panel	FL13339-R10; applicable product sections FL13339.2, FL13339.3 and FL13339.4
HVHZ Approval—Detached Panel	Approved for use outside the High Velocity Hurricane Zone only; no Miami-Dade NOA applies

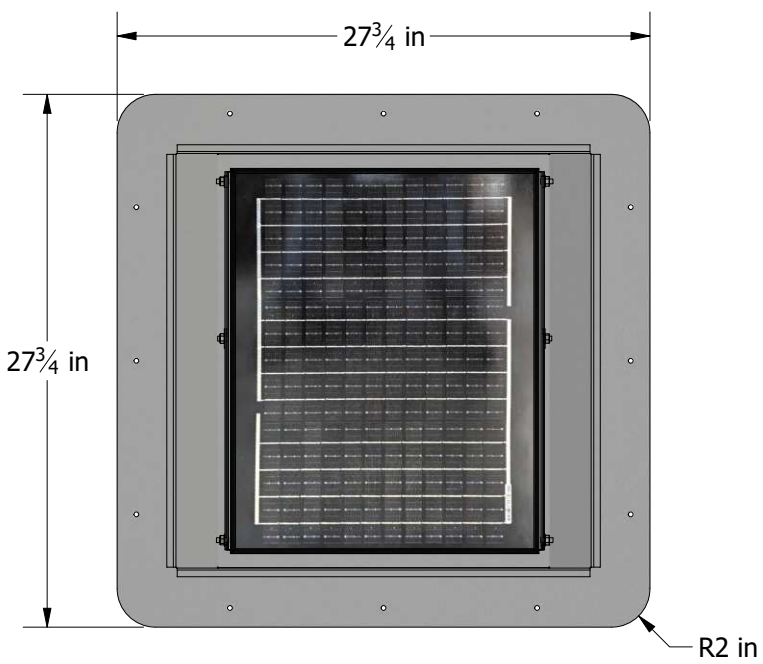
Performance ratings and approvals apply only to approved product configurations installed in accordance with the manufacturer's installation instructions and applicable approval documentation. SOLAR PANELS SHALL BE IN THE FULLY RETRACTED AND SECURED POSITION PRIOR TO ANY NAMED STORM OR SIMILAR HIGH-WIND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

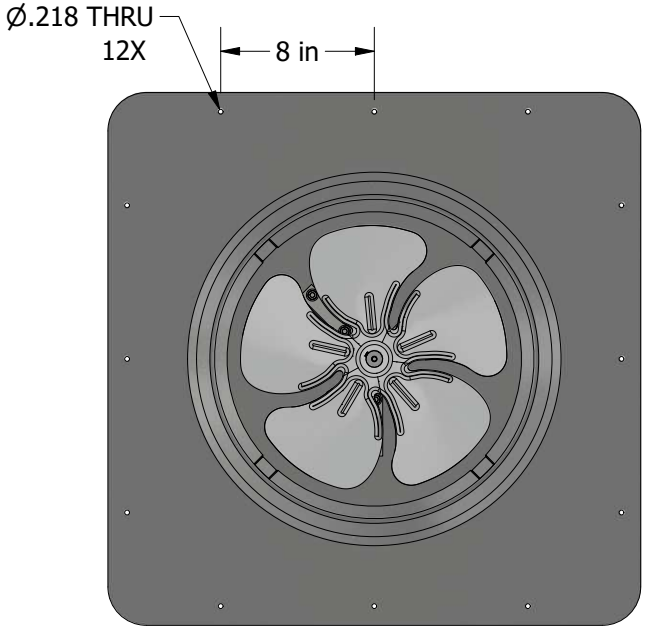
Refer to the applicable Florida Product Approval and Miami-Dade NOA documentation for approved configurations, installation requirements, and limitations.

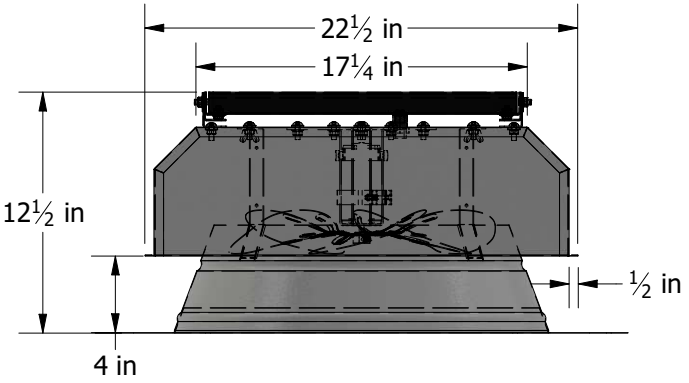
Installation Guidelines

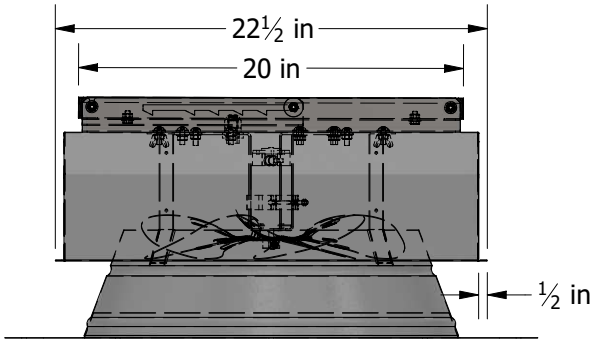
- Install at least 5 ft from passive vents and at least 10 ft from active vents.
- Locate as close to the ridge as possible while allowing proper flashing (approximately 3 ft below the ridge, where flashing clearance allows).
- Passive NFVA: 175 in²/unit — fan off.
  Basis: current brushed-motor CAD; 0.028-in screen; calculated 2026-10-06.

ULTRABREEZE SFA PRO/HP

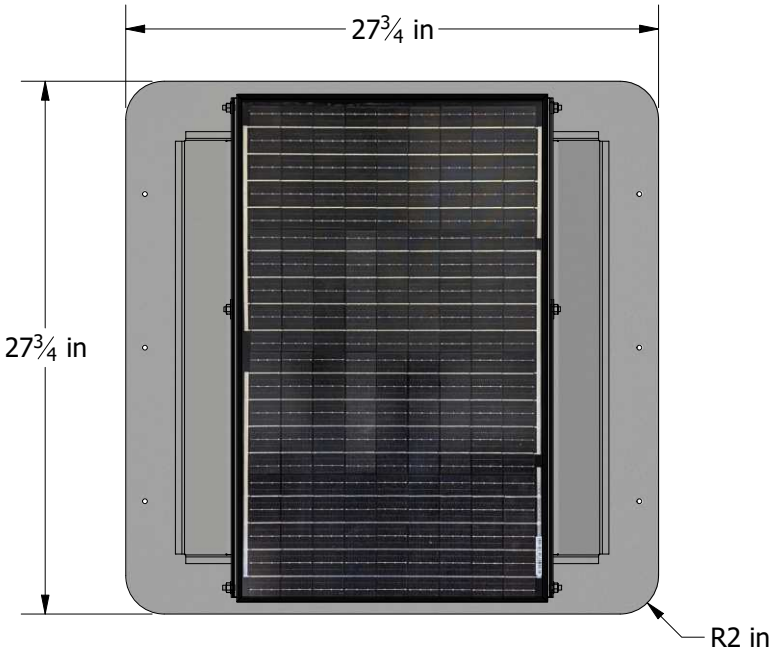


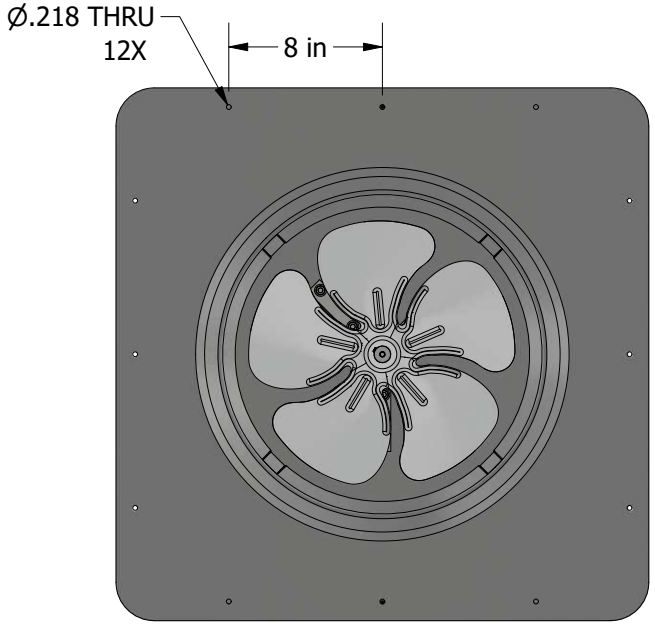


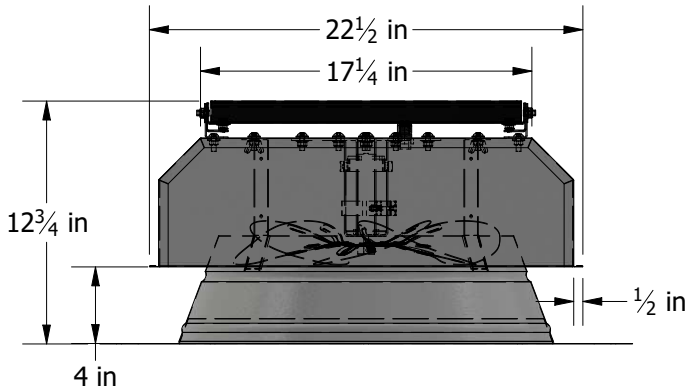


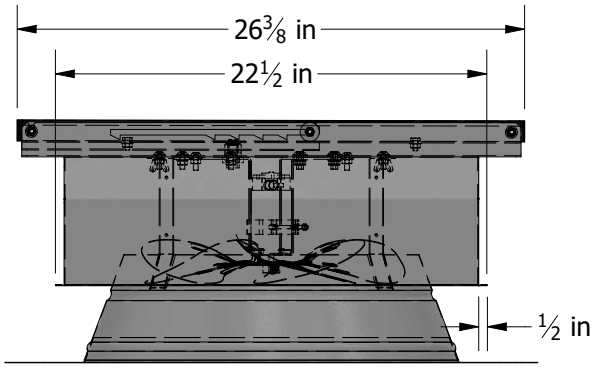


ULTRABREEZE SFA MAX

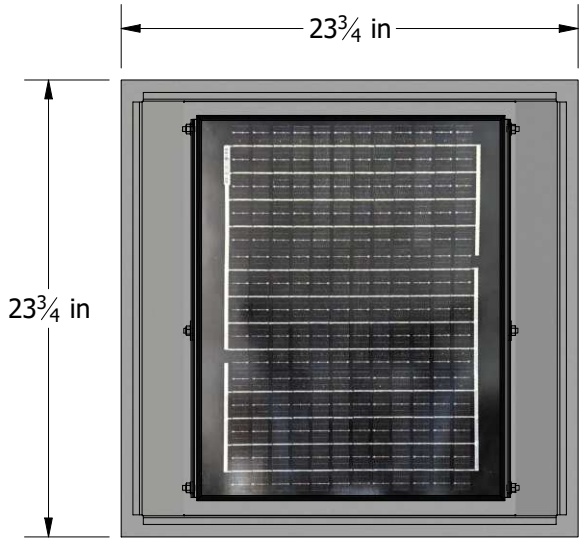


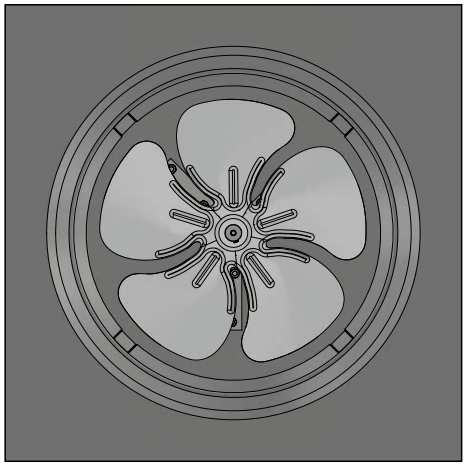


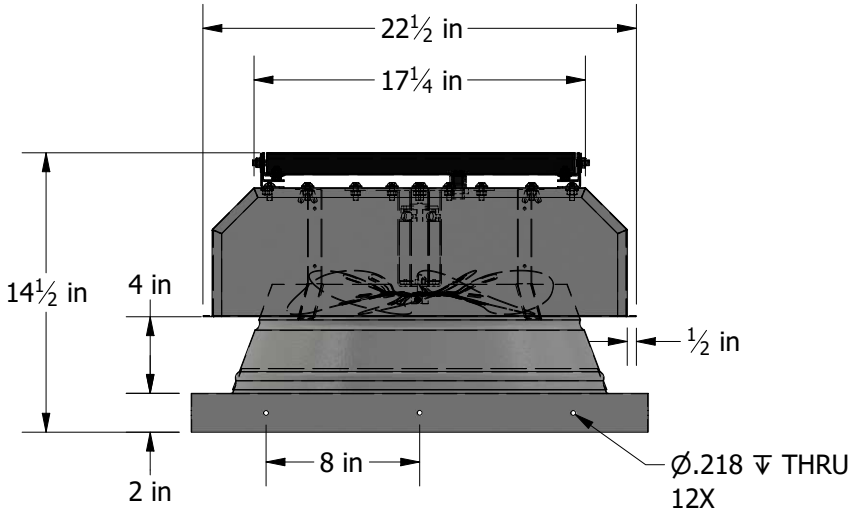


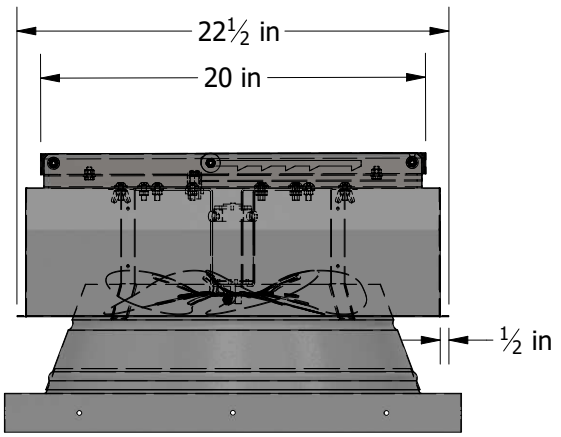


ULTRABREEZE CMA PRO/HP

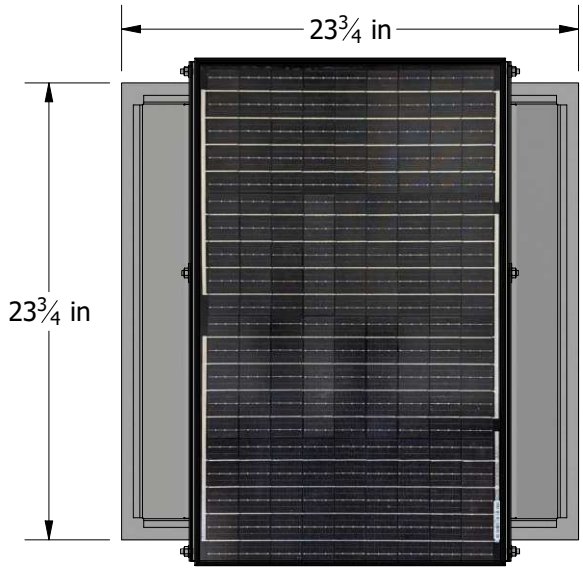


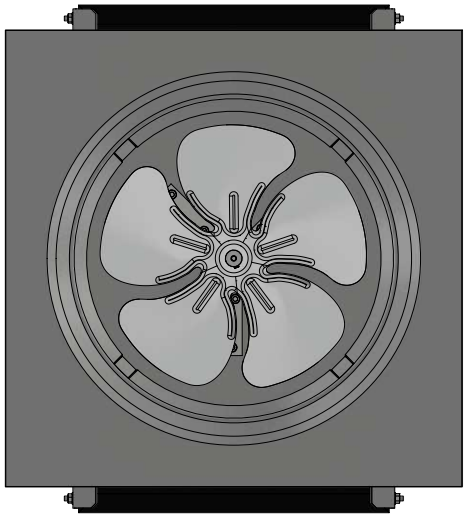


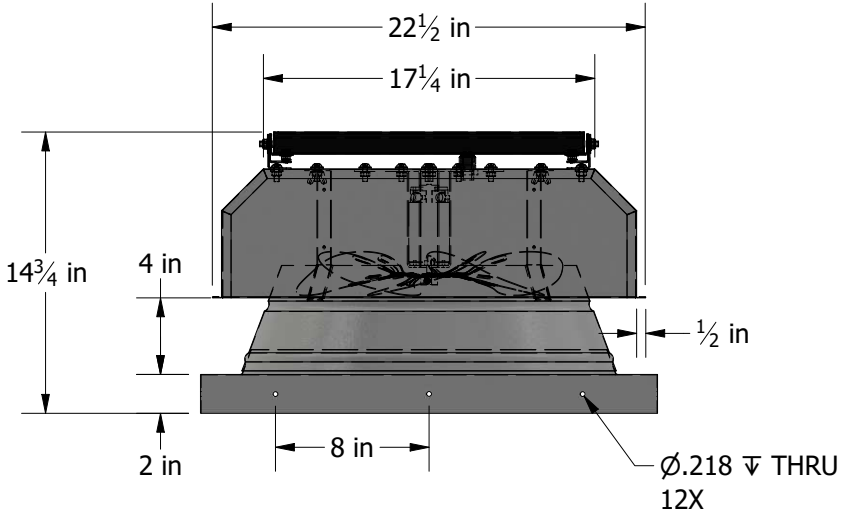


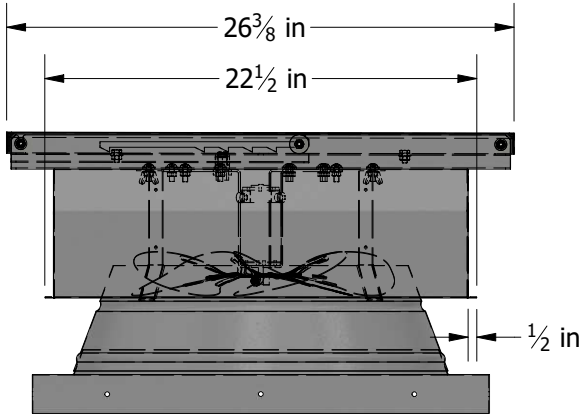


ULTRABREEZE CMA MAX

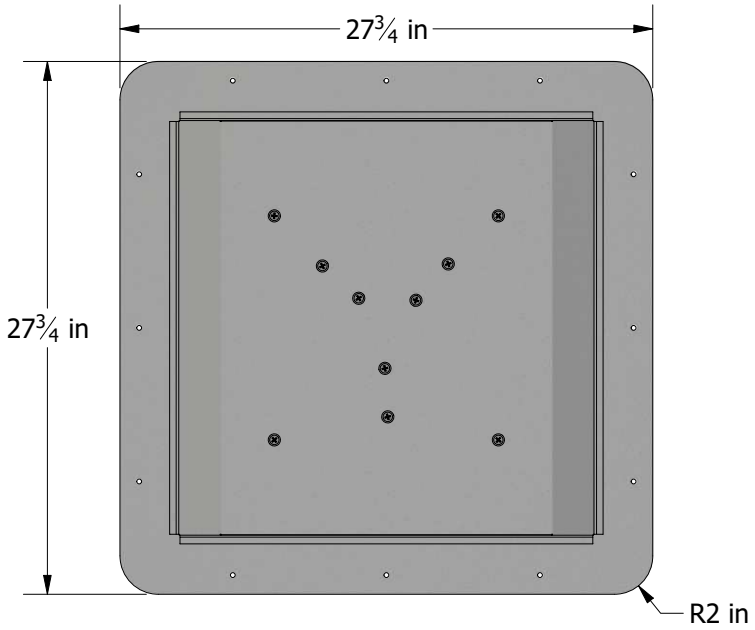


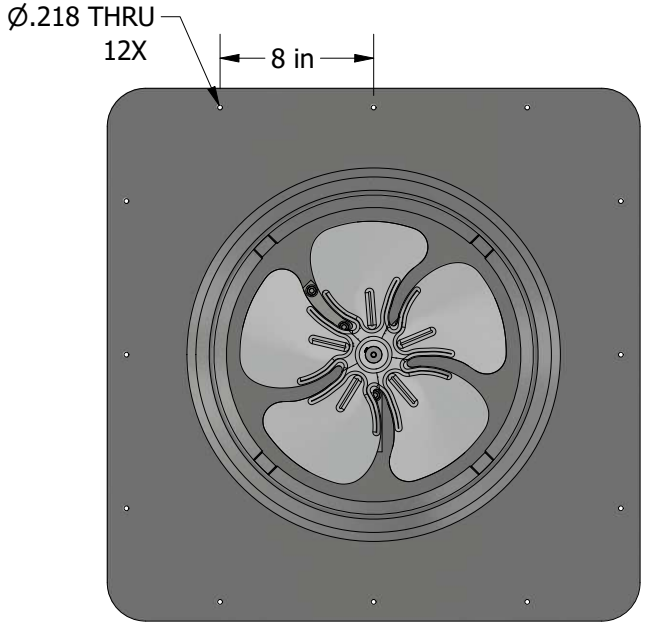


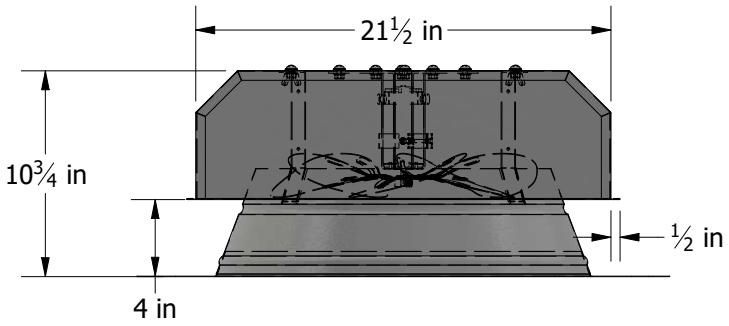


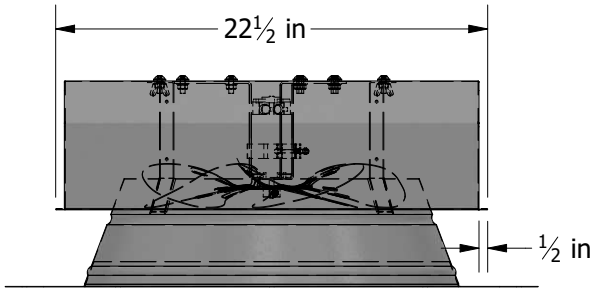


ULTRABREEZE SFD

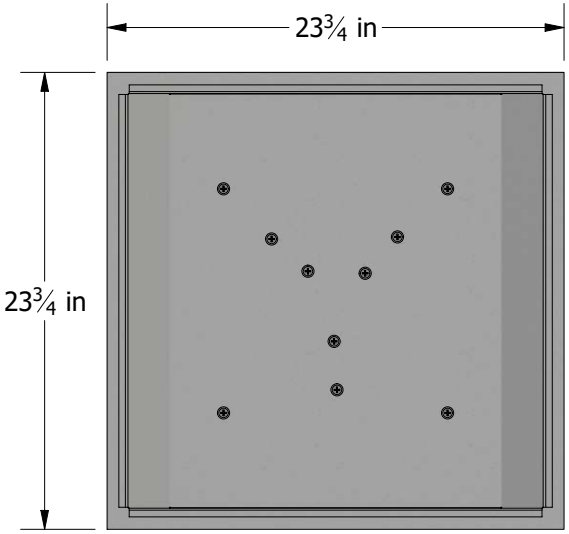


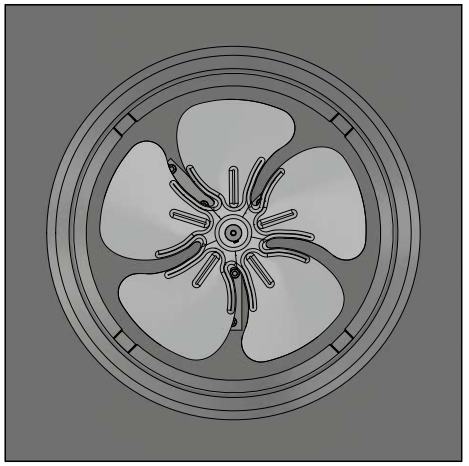


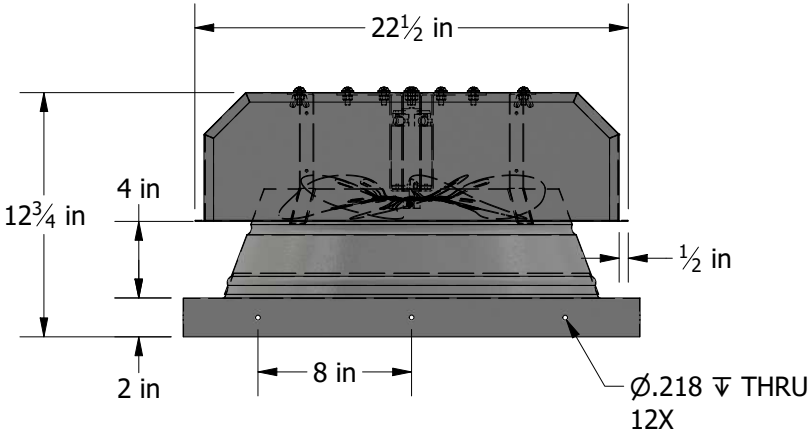


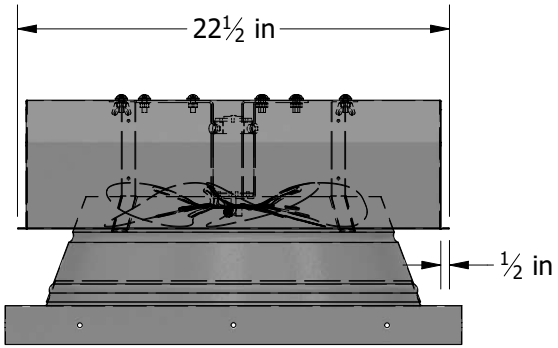


ULTRABREEZE CMD

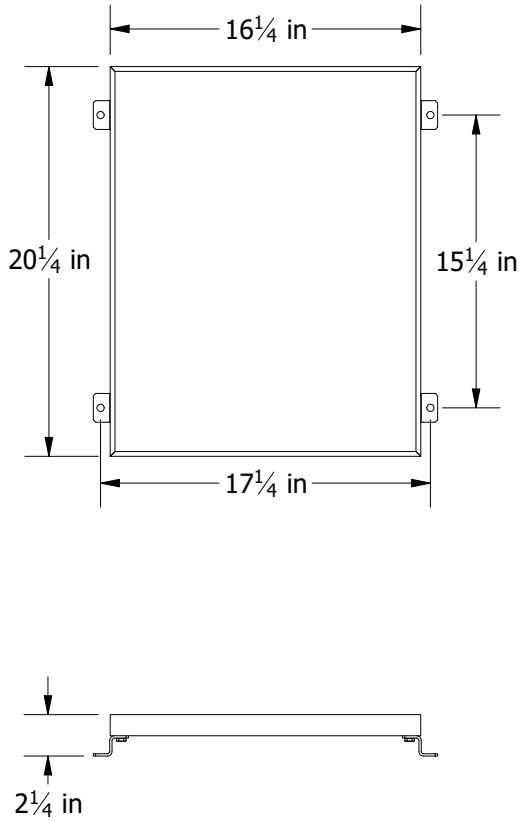


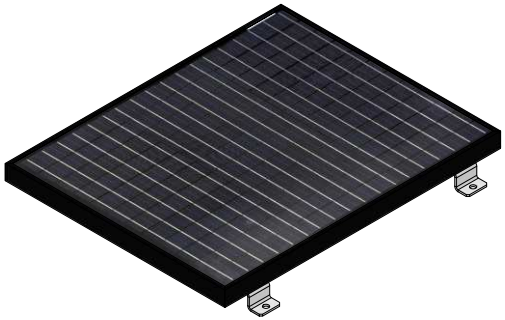




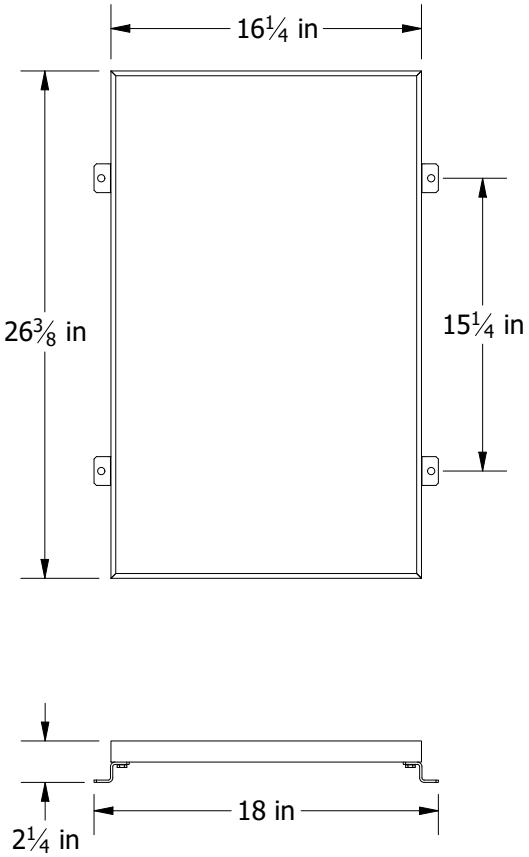


25/35 Watt Remote Solar Panel w/Brackets





45 Watt Remote Solar Panel w/Brackets





65 Watt Remote Solar Panel w/Brackets

