Technical Data Sheet

Product
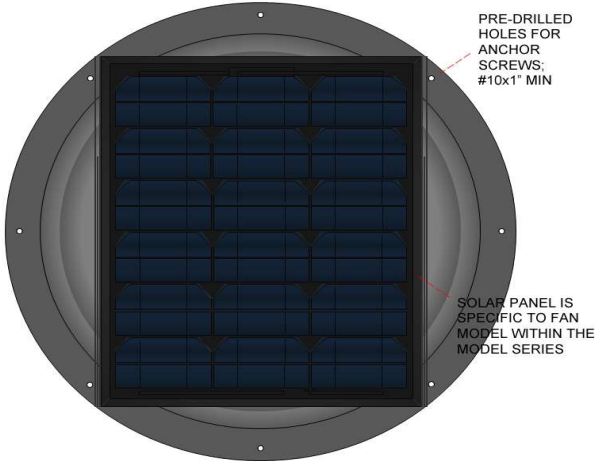
Model: CV XLP PRO

Description: Cardinal XLP PRO model series self-flashing style solar powered attic fan with heavy-duty powder coated finish, 12 inch diameter aluminum fan blade, unit mounted 30W solar panel with adjustable integrated bracket, and stainless steel hardware throughout.
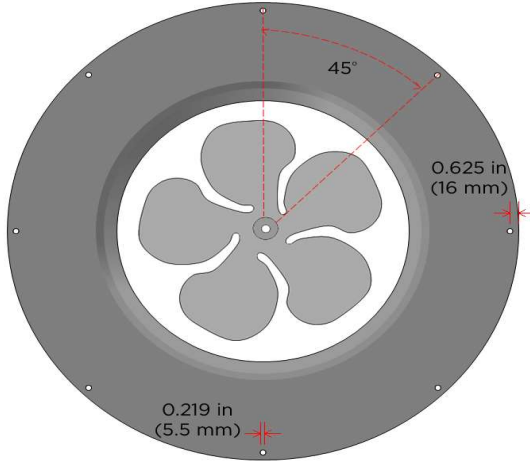
Revision: 0

Date: 3/1/2020

DCN: TDS-CV-XLP-PRO

TOP VIEW

PRE-DRILLED HOLES FOR ANCHOR SCREWS; #10x1" MIN

SOLAR PANEL IS SPECIFIC TO FAN MODEL WITHIN THE MODEL SERIES

Ø 23.853 in (606 mm)

Ø 25.875 in (657 mm)

BOTTOM VIEW

45°

0.625 in (16 mm)

0.219 in (5.5 mm)

Ø 12.00 in (305 mm)

Ø 13.00 in (330 mm)

Ø 16.00 in (406 mm)

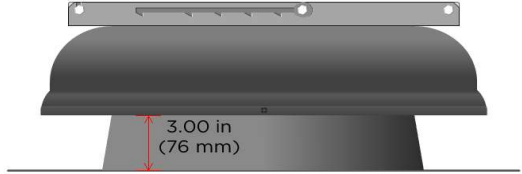Ø 25.875 in (657 mm)

FRONT VIEW

3.00 in (76 mm)

8.125 in (206 mm)

10.00 in (254 mm)

Ø 23.853 in (606 mm)

Ø 25.875 in (657 mm)

SIDE VIEW

3.00 in (76 mm)

8.125 in (206 mm)

10.00 in (254 mm)

Ø 23.853 in (606 mm)

Ø 25.875 in (657 mm)

Cardinal VENTILATION

Technical Data Sheet

Materials

Fan Hood:	(0.08 in; 2.0 mm) 3003-O Aluminum (ASTM B209); seamless spun hood
Base Flashing:	(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
Solar Panel Bracket:	16 GA (0.058 in; 1.473 mm) Galvanized Steel G90 (ASTM A653)
Motor Bracket:	12 GA (0.100 in; 2.540 mm) Aluminum AL5052 (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 (356 mm) diameter, 5-wing precision balanced blade
PV Panel:	AL5052 aluminum frame; impact-resistant tempered glass

Finish

Coating Type:	Powder coated baked-on TGIC Polyester coating
Coating Thickness:	2.5-3.5 mils average (ISO 2360)
Adhesion:	5B minimum (ASTM D3359 method B)
Colors:	textured matte finish available in black, brown, or gray

Electrical

Motor:	Variable speed PowerMaxx™ brushless DC motor with sealed bearings
PV Panel:	30 watt adjustable solar panel; multicrystalline cells
Internal Wiring:	16/18 AWG wiring throughout unit
Termination:	UV/weather resistant quick disconnect plugs
Fan Control:	Thermal control (activates 75°F ± 7°F, deactivates 55°F ± 9°F - UL 873 compliant) and fire safety switch (deactivates at 228°F +0°F/-9°F - UL 60691 compliant) included

Performance

Max Airflow Rating:	1575 CFM @ 0.0 inH2O active under peak sun exposure; 1.19 sqft NFA passive
Noise Level:	< 1 sones (< 30 dB)
Wind Rating:	Passed Wind Resistance testing (ASTM E 330-14; -133.3 PSF Design Load, -200.0 PSF Safety Load); Passed Wind Driven Rain testing (TAS 100A; 140 MPH wind speeds)
Certifications:	Florida Product Approval #31962-R1 (FL state & HVHZ approved); Texas Department of Insurance windstorm approval (pending)
Warranty:	25-year limited warranty

Weight Load

Fan Unit:	23 LBS