

# Technical Data Sheet

## Product

### Model:

AB-4553

### Description:

Retrofit-gable style solar powered attic fan constructed from corrosion resistant zincalume alloy steel featuring a 14 inch diameter fan blade, remote mounted 45W solar panel with standard flush mounting brackets, 25 foot UV/weather-resistant power cable, stainless steel hardware throughout, thermal switch and fire safety switch included

### Revision:

0

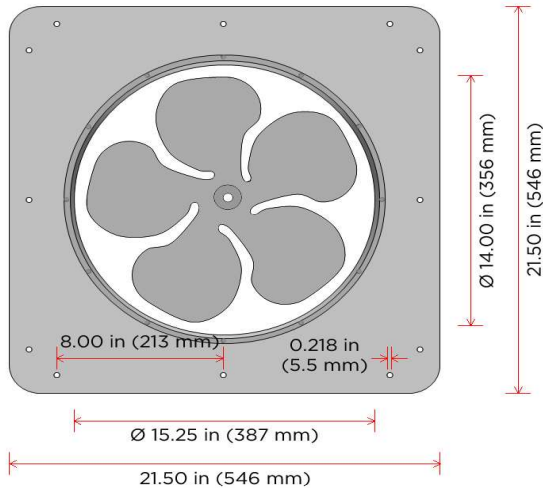
### Date:

3/1/2021

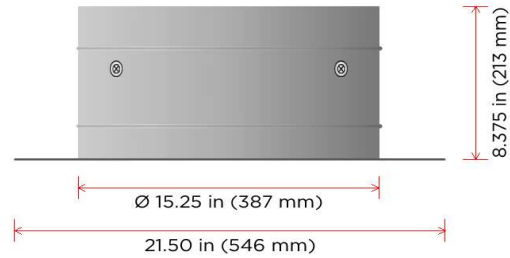
### DCN:

TDS-4553

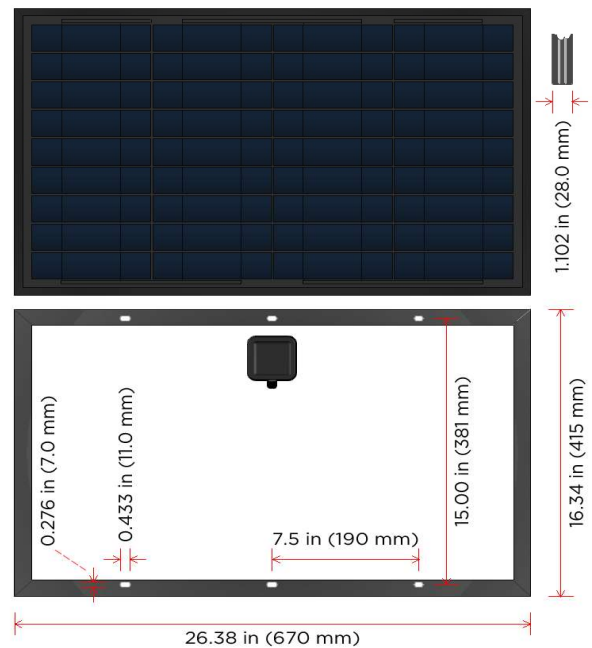
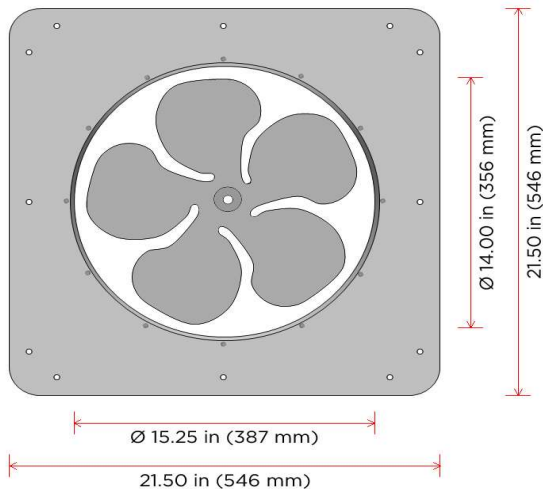
### TOP VIEW



### SIDE VIEW



### BOTTOM VIEW



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## **Materials**

<b>Hood &amp; Base:</b>	22 GA (0.027 in; 0.686 mm) Zincalume/Galvalume AZ50 (ASTM A792)
<b>Support Brackets:</b>	N/A
<b>Motor Brackets:</b>	16 GA (0.058 in; 1.473 mm) 304 Stainless Steel (ASTM A666)
<b>Wildlife Screen:</b>	N/A
<b>Hardware &amp; Fasteners:</b>	1/4" 18-8 Stainless Steel
<b>Fan Blade:</b>	16 GA (0.050 in; 1.270 mm) Aluminum AL5052 (ASTM B209); 14 in (356 mm) diameter, 5-wing precision balanced blade
<b>PV Panel:</b>	AL5052 aluminum frame with impact-resistant tempered glass; AL5052 aluminum standard mounting brackets (available with adjustable universal bracket kit)

## **Finish**

<b>Coating Type:</b>	N/A
<b>Coating Thickness:</b>	N/A
<b>Adhesion:</b>	N/A
<b>Exposure Performance:</b>	N/A
<b>Corrosion Resistance:</b>	N/A
<b>Certifications:</b>	N/A
<b>Stock Colors:</b>	N/A
<b>Custom Colors:</b>	N/A

## **Electrical**

<b>Motor:</b>	PowerMaxx™ brushed variable speed DC motor with sealed bearings; fully enclosed and designed to be intrinsically safe with overload protection
<b>PV Panel:</b>	High efficiency 45 watt panel; monocrystalline solar cells
<b>Internal Wiring:</b>	16/18 AWG wiring throughout unit
<b>Remote Cable:</b>	18 AWG UV/weather resistant power cable (25 feet); available with optional add-on power cable (additional 25 feet)
<b>Termination:</b>	UV/weather resistant quick disconnect plugs
<b>Fan Control:</b>	Includes thermal switch (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); Breeze Mate® solar ventilation control system optional

## **Performance**

<b>Max Airflow Rating:</b>	1925 CFM @ 0.0 inH2O under peak sun exposure
<b>Noise Level:</b>	< 1 sones (< 30 dB)
<b>Wind Rating:</b>	N/A
<b>Certifications:</b>	N/A
<b>Warranty:</b>	Residential limited Lifetime Warranty; commercial 25-year limited warranty

## **Weight Load**

<b>Fan Unit:</b>	9 LBS
<b>Remote PV Panel:</b>	7 LBS