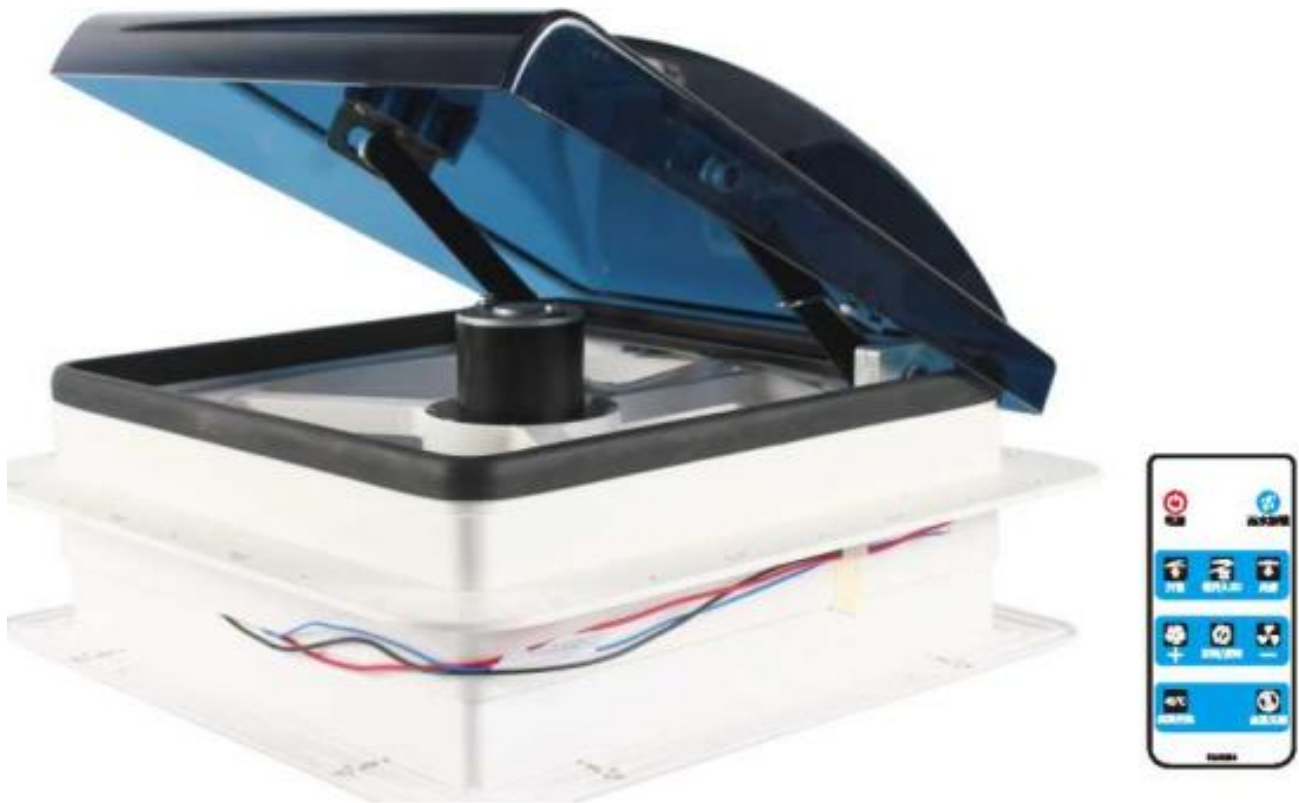


28*28cm 12V Caravan Ventilation Exhaust Fan with LED Lights

User Guide

RV SUNROOF VENTILATION FAN USER GUIDE



According to different models, the actual fan design may be different.

Thank you for purchasing a TYTXRV® Series RV Sunroof Ventilator. This user's Guide is intended to provide you with guidelines to ensure that the operation of this product is safe and does not pose a risk to the user. Any use of the product not in accordance with the guidelines described in this user guide may void the limited warranty.

Please read all instructions before using this product and retain this guide for reference. This product is intended for home use only. Commercial use is not included. This product is warranted for a period of one year. Coverage is subject to limitations and exclusions. For more information, see the Warranty section Safety Precautions.

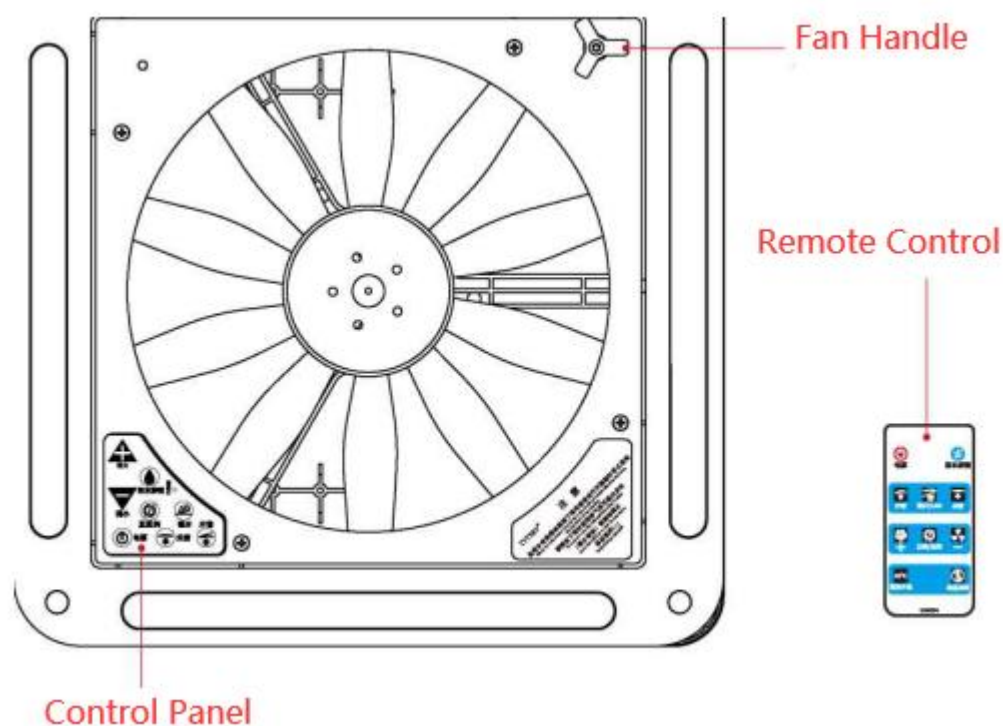
WARNING! Read and understand all safety precautions, installation instructions and operating instructions before operating this equipment. Failure to properly follow the appropriate guidelines may result in serious injury, fire, or even death. Please keep this guide for future reference.

Fall Hazard: Ventilation fans are usually mounted on top of the RV. Therefore, climbing on top of the RV to install, maintain, or repair the ventilation fan is hazardous. Proper precautions should be taken when climbing on top of the RV or working on it. Failure to do so may result in the user falling, causing serious injury or death.

- Keep the device away from children and never allow children to operate the device.

- Do not modify or alter this equipment.
- Make sure the device is disconnected from the power source before performing the installation process. Failure to do so may result in serious injury.
- Do not leave the ventilator cover open and unattended for long periods or in unusual weather conditions that could cause leaks and serious damage.
- Do not use this product in severe weather conditions.
- Do not wear or hold loose clothing, fabrics, jewelry or other materials near the ventilation fan. If anything gets stuck in the fan blades, unplug the fan and clear the blockage immediately to avoid injury.

I Product Overview:



*Depending on the model, the actual fan design may vary.

Recommended Tools:

- Measuring Tape
- Screwdriver or Hand Drill
- Marker
- Hole Cutter
- Waterproof Sealant



Measuring Tape
Hole Cutter



Hand Drill



Marker

Sealant

II Installation Guide

Note: Please make sure the unit is disconnected from the power source before starting the installation process.

1. The TYTXRV RV Sunroof Ventilation Fan requires a "28cm x 28cm/11inch x 11inch" or "34cm x 34cm/13inch x 13inch" top opening' depending on the size of the fan purchased. Place the fan flange on the roof opening (with the fan cover opening facing the rear of the RV) and trace the outline of the mounting flange with a pencil. (You will need to install the fan flange on the top of the RV.)

NOTE: If replacing the vent fan, be sure to remove all old sealant when removing the old vent fan. Clean any sealant or other debris from the surrounding roof openings. Check the roof openings for any damage or leaks before proceeding with the new installation.



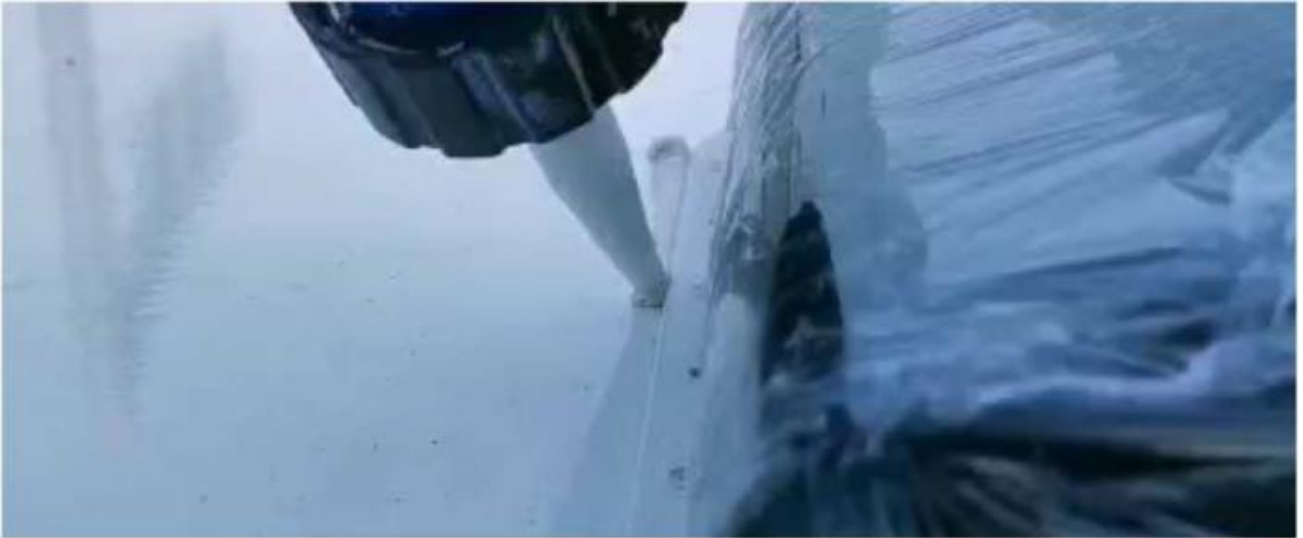
2. Remove the mounting flange from the neck opening and turn it upside down. Apply a compatible sealant or filler to the bottom surface of the mounting flange.



3. Press the mounting flange downward to the top and use the screws to fasten the mounting flange to the top.



4 . Apply additional structural adhesive to the screws and around the mounting flange to avoid the presence of gaps.



5 . Use the wire to connect the power cord of the ventilation fan to the 12V power supply located in the RV.

Note: The wire should be at least L5 square or above, red wire to the positive battery terminal, black wire to the negative battery terminal, blue wire to the handbrake wire, connected to the vehicle's brake control system (manual models do not have this wire).



6. Measure the thickness of the top of the RV. If the top of your RV is thin, or the interior trim is too long, trim the interior lift frame to fit the RV top opening.



7 . From inside the RV, place the interior lift frame over the exhaust fan and secure it using screws.



Note: To use large flat head self-tapping screws for installation



III Maintenance/Maintenance:

To clean the fan change blades, do the following.

1. Before inspection, turn off the fan changer and disconnect the wiring of the RV power supply before cleaning the fan changer.

2. Place a large amount of water on a soft rag and wipe the bottom surface of the ventilation fan clean.

3. Remove the screws to clean the filter and remove the inner panel of the fan.

Note: The powered power cord must remain connected to the internal circuit board or associated switch. Handle the interior with care. Make sure the powered power cord is properly connected without tears or breaks or the fan will not work to begin operation.

4. Once the ventilation fan blades are no longer rotating, clean and wipe the blades by washing with soap and warm water.

Note: Make sure there is no water on the circuit board. Water on the circuit board will damage the product.

5. - Once the parts are clean and dry, put the inner board back into its original position inside the product.

6. Carefully fold and tie the power cord back inside. Do not let it in between the two parts.

7. Put the panel back in place

8. After the maintenance and cleaning process is complete, reconnect the wires.

TYTXRV-010991 TYTXRV-0100532 Operating Instructions

Open the Fan Cover

CAUTION: Do not use excessive force to operate the fan handle in the following cases.

1. Turn the handle clockwise to open the top cover.

2. Turn the handle counterclockwise to close the top cover.

Fan Control Panel Function

Power - Turn on or off the exhaust fan.

Adjust up - fan speed increase

Turn down - fan speed decrease

Forward and reverse - exhaust or into the air, the default is exhaust

Fan speed has six optional gears.

1 gear 5W, silent exhaust / into the wind, sleep at night

2 gear 8W, quiet exhaust/inlet, bathroom exhaust

3 gear 14W, low noise exhaust / air intake, bedroom, living room

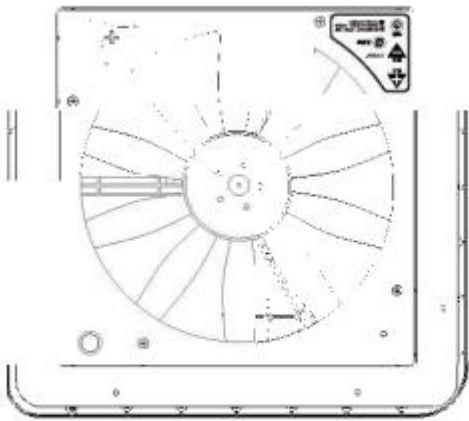
4 gear 22W, micro-noise exhaust / intake, bedroom, living room

5-speed 30W, strong noise exhaust / air intake, bedroom, living room, rapid air circulation cooling

6-speed 40W, large noise super strong exhaust / air intake, bedroom, living room, the formation of negative pressure, with rapid cooling LED light function press the light button to turn on and off the built-in LED light.

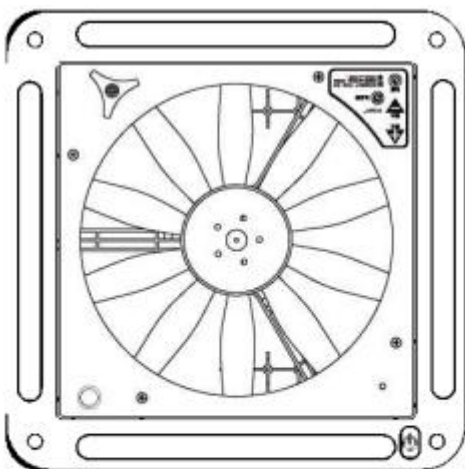
Note: 0100532 fans are equipped with built-in LED lights, while 010991 fans do not have LED lights.

Product Parameters



010991

Model: TYTXRV-010991
Opening Size: 360*360mm/14*14inch
Gross Weight: 5.1kg/11.2lbs
Rated Power: 40W
Rated Voltage: 12VDC
Rated Current: 3.5A



0100532

Model: TYTXRV- 0100532
Opening Size: 360*360mm/14*14inch
Gross Weight: 5.3kg/11.6lbs
Rated Power: 40W Lamp: 12W
Rated Voltage: 12VDC
Rated Current: 3.5A Lamp:1A

TYTXRV-010028. TYTXRV-010229, TYTXRV-0100531 Operation Manual

Sunroof Fan Wiring

1, the wire with L5 square, red connected to the positive battery, black connected to the negative battery, blue wire connected to the handbrake line
(If there is no condition, it is directly connected with the negative terminal.)
2, the sunroof to connect the handbrake cable, you can achieve, let go of the handbrake, automatically close the sunroof, parked when the high temperature automatic exhaust.
(handbrake cable and the negative pole together, there is no automatic sunroof function, high temperature automatic exhaust function is still there)

Panel Button and Remote Control Button Function

Power - turn on or off the exhaust fan.
Rain sense unlock - open or close the rain sensor, the light is always on when closed, the light is off when opened. Open window-open the exhaust fan skylight.
Micro-open-keep the fan skylight in micro-beating position, panel long press for 3 seconds to turn on and off the high temperature function
Close the window-close the exhaust fan skylight.
Turn up-fan gear up
Turn down-fan gear decrease
Forward and reverse-exhaust or incoming air, default is exhaust

Remote Button Temperature Control Function

High temperature open-Temperature higher than 50°C, sunroof automatically open, lower than 45°C, sunroof automatically close.
High-temperature shutdown - close the high-temperature automatic opening function

The speed of the fan has 6 gears to choose from.

1 gear 5W, silent exhaust / into the wind, sleep at night

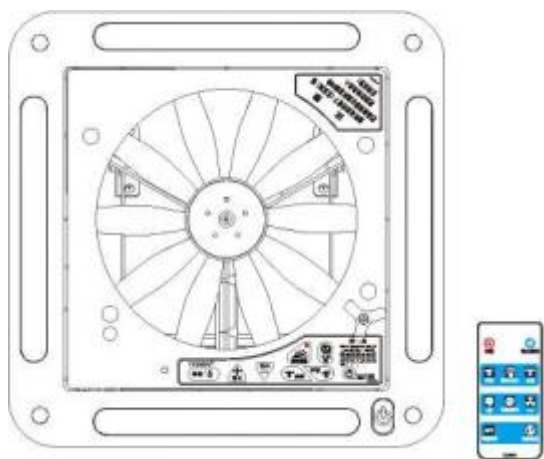
2 gears 8W, quiet exhaust / air intake, bathroom exhaust.
3 gear 14W, low noise exhaust / air intake, bedroom, living room
4 gear 22W, micro-noise exhaust / air intake, bedroom / living room
5-speed 30W, strong noise exhaust / air intake, bedroom, living room, rapid air circulation cooling
6-speed 40W, large noise super strong exhaust / into the wind, bedroom, living room / the formation of negative pressure / with rapid cooling

Exhaust Fan Function

- 1、 When parking, high temperature automatically open the exhaust function, the temperature is higher than 50.(=open, lower than 45.(=automatic shutdown, default open)
- 2、 Automatically close the sunroof exhaust fan before driving, detect the signal to put down the handbrake, the exhaust sunroof automatically close.
- 3, rain automatically close the sunroof, raindrop sensor detects rain, sunroof exhaust fan automatically close.
- 4、 High voltage protection, the voltage is higher than 16V, the buzzer will sound once per second, and the button will be invalid.
- 5、 low voltage protection, low voltage 8V or poor contact resulting in insufficient power supply, the buzzer drops call.
- 6、 6-speed manual speed control into the wind / exhaust ventilation fan skylight. Intake/exhaust switch when waiting for 10 seconds after the stop in the switch.

Note: 010229 and 0100531 with LED lights, 010028 no configuration LED lights

Product Parameters



010229

Specification: TYTXRV-010229

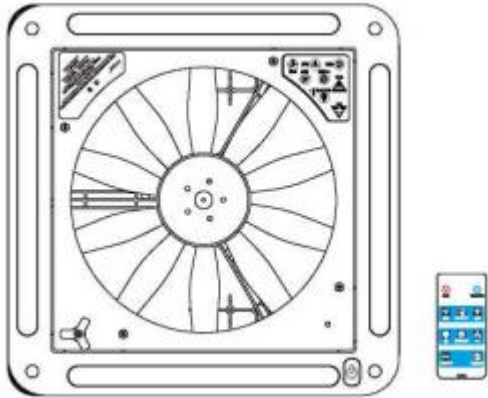
Opening size: 280*280mm/11*11inch

Gross weight: 4.34kg/9.5lbs

Rated power: 15W

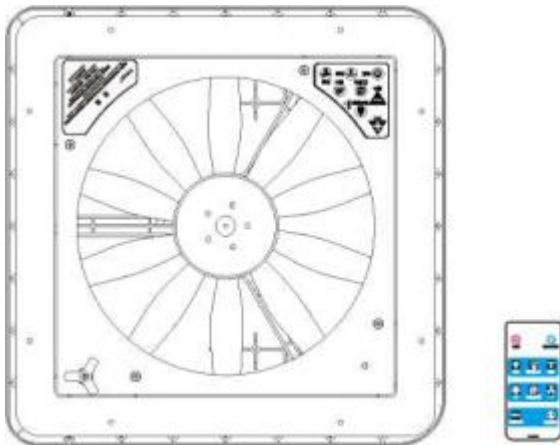
Rated voltage: DC12 V

Rated current: 1.3A
Rated Voltage (LED Lamp): 8W
Rated Current (LED Lamp): 0.7A



0100531

Specification: TYTXRV-0100531
Opening Size: 340*340 mm/13*13inch
Gross Weight: 6.5kg/14lbs
Rated Power: 40W
Rated Voltage: DC12 V
Rated Current: 3.5A
Rated Voltage (LED Indicator): 8W
Rated Current (LED Indicator)



010028

Model: YTXRV-010028
(No LED light configuration)
Opening Size: 340*340mm/13*13inch
Gross Weight: 6.5kg/14.3lbs
Rated Power: 5-40 W
Rated Voltage: 12 VDC
Rated Current: 0.5-3.5 A