

Suncourt HC600-WK

Suncourt Equalizer EZ8 HC600-WK Register Booster Fan User Manual

Model: HC600-WK

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Suncourt Equalizer EZ8 HC600-WK Register Booster Fan. This device is designed to enhance airflow from your existing HVAC system into rooms that experience temperature imbalances, making them more comfortable.

The Suncourt Equalizer EZ8 HC600-WK is an ultra-quiet, 8-speed fan featuring smart technology for automatic operation. It is engineered to boost airflow by up to 300% without requiring modifications to your HVAC system.

SAFETY INFORMATION

Please read all safety instructions before operating this product. Failure to follow these instructions may result in electric shock, fire, or injury.

- Ensure the power cord is not damaged and is properly connected to a suitable electrical outlet.
- Do not operate the fan with a damaged cord or plug.
- Do not immerse the fan or power cord in water or other liquids.
- Keep fingers and other objects away from the fan blades during operation.
- This product is designed for indoor use only.
- The fan is made with flame-retardant, thermally protected materials.

SETUP AND INSTALLATION

The Suncourt Equalizer EZ8 HC600-WK is designed for easy, tool-free installation. It fits into or over standard floor or wall registers.

1. Product Overview



Image: The Suncourt Equalizer EZ8 HC600-WK Register Booster Fan, showing its white casing, fan grille, control dial, power cord, and included wall mount accessories.

The fan unit measures approximately 7"D x 15"W x 3"H. It includes a 6-foot power cord and optional wall mount accessories.

EASILY BOOST AIRFLOW TO ROOMS THAT ARE TOO HOT OR TOO COLD



Image: Diagram illustrating the dimensions of the Suncourt Equalizer EZ8 HC600-WK fan (14-7/32" length, 6-27/32" width, 2-25/32" height) along with icons highlighting its 8 fan speeds, low voltage, up to 12.3 watts power consumption, up to 200 CFM airflow, and as low as 40 dBA noise level.

2. Placement and Fit

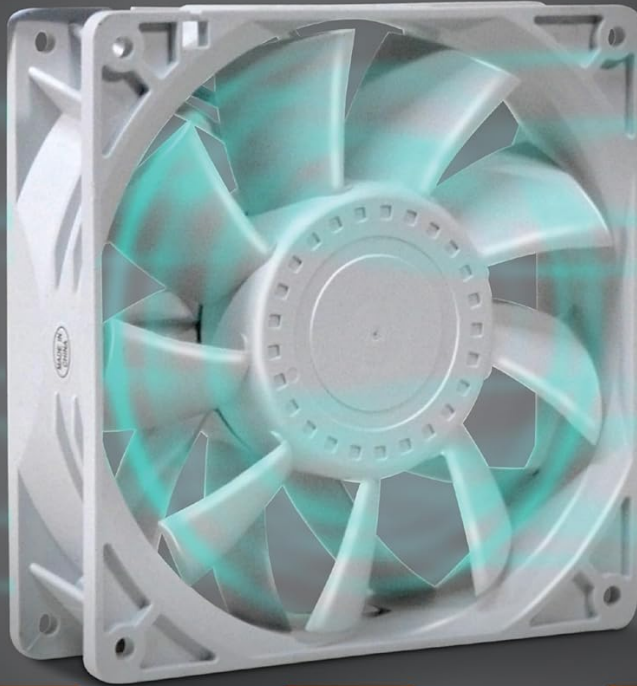
The booster fan is designed to fit any floor or wall register that is 6"x12" or smaller. Common compatible sizes include 2"x10", 2"x12", 3"x10", 3"x12", 4"x10", 4"x12", 6"x10", and 6"x12".

Important:

- Measure the interior of your vent duct opening, not the decorative cover, to ensure a proper fit.
- The fan sits directly on top of the register opening.

STRONG, RELIABLE & QUIET

**Powerful, reliable, quiet and efficient
2400 RPM, double ball bearing motor**



**ENERGY
EFFICIENT**



**WHISPER
QUIET**



**PROVEN
RELIABILITY**

Image: The Suncourt Equalizer EZ8 HC600-WK fan placed over a floor register, with text indicating it fits registers up to 6 inches wide and up to 12 inches long, and that it sits on top of the register for easy installation.

3. Connection Steps

1. **Place the Booster Fan:** Position the Suncourt Equalizer EZ8 directly over the register opening you wish to boost.
2. **Connect Power to Fan:** Plug the small end of the 6-foot power cord into the designated port on the booster fan.
3. **Connect to Wall Outlet:** Plug the larger end of the power cord into a standard wall receptacle.



Image: A four-panel graphic demonstrating the three simple installation steps: 1. Placing the booster fan on the register boot. 2. Plugging the power cord into the booster fan. 3. Plugging the power cord into a wall receptacle.

OPERATING INSTRUCTIONS

The Suncourt Equalizer EZ8 HC600-WK features smart technology for automatic operation and adjustable fan speeds.

Automatic Operation (Smart Technology)

The fan is equipped with patented smart technology that automatically detects when your HVAC system is heating or cooling. It will turn on when airflow is detected and turn off when the HVAC system is inactive. No manual or seasonal settings are required for this feature.



Image: A graphic depicting the Suncourt Equalizer EZ8 HC600-WK mounted on a wall, with arrows indicating boosted airflow. Icons highlight automatic operation, patented smart technology, up to 300% airflow boost, and 8 fan speeds, emphasizing automatic operation with heating and air conditioning.

Adjusting Fan Speed

The fan offers 8 adjustable speeds, allowing you to customize the airflow and noise level to your preference. Use the control dial on the unit to select your desired fan speed. The fan can provide up to 200 CFM (Cubic Feet Per Minute) of airflow.

The fan operates quietly, with noise levels as low as 40 dBA, comparable to a quiet office environment.

IMPROVE COMFORT QUIETLY



Image: A bedroom scene with the Suncourt Equalizer EZ8 HC600-WK mounted on the wall, illustrating its quiet operation. A diagram compares its noise level (as low as 40 dBA) to a laptop fan (35 dBA), office environment (50 dBA), and vacuum cleaner (70 dBA), highlighting its ultra-quiet performance.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Suncourt Equalizer EZ8 HC600-WK.

- **Cleaning:** Periodically wipe the exterior of the fan with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Dust Removal:** Ensure the fan grille and blades remain free of dust and debris to maintain efficient airflow. Use a soft brush or vacuum cleaner with a brush attachment to gently clean the fan blades and grille.
- **Power Cord:** Inspect the power cord regularly for any signs of damage. If damaged, discontinue use and contact customer support.

TROUBLESHOOTING

If you encounter issues with your Suncourt Equalizer EZ8 HC600-WK, refer to the following common solutions:

Fan Not Turning On

- **Check Power Connection:** Ensure the power cord is securely plugged into both the fan and a working wall outlet.
- **Verify HVAC Operation:** In automatic mode, the fan only operates when your HVAC system is actively heating or cooling. Confirm your furnace or air conditioner is running.
- **Adjust Sensitivity:** The fan uses a thermocouple to sense airflow. If the fan is not activating reliably, adjust the sensitivity dial on the unit.

Insufficient Airflow

- **Increase Fan Speed:** Adjust the fan speed dial to a higher setting. The fan has 8 adjustable speeds.
- **Clear Obstructions:** Ensure the register and the fan's intake/output grilles are free from dust, debris, or other obstructions.
- **Proper Fit:** Verify the fan is correctly positioned over the vent opening, allowing for optimal air capture.

Excessive Noise

- **Reduce Fan Speed:** Lowering the fan speed will decrease operational noise.
- **Check for Vibrations:** Ensure the fan is stable and not vibrating against the register or floor. The unit includes fan isolators to minimize vibration.
- **Internal Components:** The fan assembly is designed for quiet operation. If unusual noises persist, ensure no foreign objects are interfering with the fan blades.

SPECIFICATIONS

Brand	Suncourt
Model Name	HC600-WK
Color	White
Product Dimensions	7"D x 15"W x 3"H
Item Weight	2.35 Pounds
Power Source	Corded Electric
Wattage	12.3 watts
Air Flow Capacity	Up to 200 Cubic Feet Per Minute (CFM)
Number of Power Levels	8
Special Feature	Smart Technology, Ultra-Quiet Operation
Indoor/Outdoor Usage	Indoor
Included Components	Booster Fan Unit, 6-Foot Power Cord

WARRANTY INFORMATION

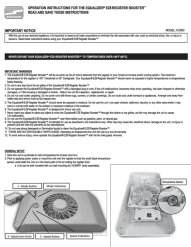
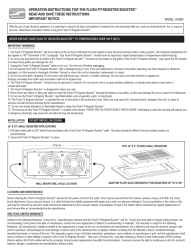
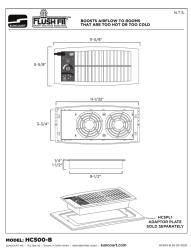
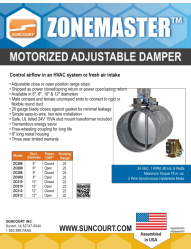
The Suncourt Equalizer EZ8 HC600-WK Register Booster Fan is backed by a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims or detailed information, please refer to the official Suncourt website or contact customer support.


CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please visit the official Suncourt website or contact their customer service department. You can find more information and contact details at the [Suncourt Brand Store on Amazon](#).

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Related Documents - HC600-WK


	<p>Suncourt Equalizer EZ8 Register Booster HC600 Operation Instructions and Setup Guide</p> <p>Detailed operation instructions, setup guide, and safety warnings for the Suncourt Equalizer EZ8 Register Booster (Model HC600), designed to enhance airflow from HVAC registers for improved home comfort.</p>
	<p>Suncourt HC500 Flush Fit Register Booster™ Operation Instructions & Manual</p> <p>Detailed operation instructions, installation guide, and warranty information for the Suncourt HC500 Flush Fit Register Booster™. Learn how to install, operate, and maintain your register booster for optimal room temperature control.</p>
	<p>Suncourt HC500-B Flush Fit Smart Register Booster Fan Datasheet</p> <p>Technical datasheet for the Suncourt HC500-B, a flush-fit smart register booster fan designed to improve airflow in HVAC systems. Features include energy efficiency, automatic thermostat control, and easy installation.</p>
	<p>Suncourt ZoneMaster Motorized Adjustable Damper Installation and Operation Manual</p> <p>Comprehensive guide for installing and operating the Suncourt ZoneMaster Motorized Adjustable Damper, including wiring diagrams, safety instructions, and warranty information.</p>







EQUALIZER EZ8
SMART REGISTER BOOSTER

MOST VERSATILE & ENERGY EFFICIENT REGISTER BOOSTER ON THE MARKET
The Equalizer EZ8 boosts heated or cooled air to a room to improve circulation and comfort. The powerful fan works to pull extra air out of weak registers, **increasing airflow by up to 300%**. A simple and safe solution for rooms that are too hot or too cold.

OPTIONAL WALL MOUNTING KIT

HC600-WK





- **Patent pending Intelligent technology** - Automatically turns on/off with HVAC system. Different range of auto performance with no manual temperature settings necessary.
- 3 fan speed settings.
- Senses in seconds. Just plugging into the register and drive noticeable comfort.
- Fits any register that is 6"x12" or smaller.
- Can be installed on floor or wall registers. (Wall mount kit sold separately)

Booster & wall mount also sold together - HC600-WK

	Model	Unit Weight	Unit Size	Notes	Control Length
	HC600 / HC600-WK	150 lbs.	14-7/16" x 6-7/16"	500V 500 mA	6'

FAN SPEED	1	2	3	4	5	6	7	8
CFM	63	96	130	168	195	195	195	203
DBA	<50	<50	<50	53.6	55.5	57.7	59.5	61.7
WATTS	11	18	28	42	58	80	102	124
ROOM SQ. FT.	85-95	95-110	115-145	150-210	175-240	190-265	200-285	215-305

QUALITY | COMFORT | CONTROL
SUNCOURT INC. | Durant, IA 52747-0840 | 1.800.955.FA.NS | suncourt.com

[pdf] Borchure Catalog

CATHC600 1220 Equalizer EZ8 Heating and Air Conditioning Smart Register Booster Fan Wall Mount Kit

Included Product Brochure Suncourt HC600 WK 066028006080 0066028006080 1006068162 c7c259ce

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