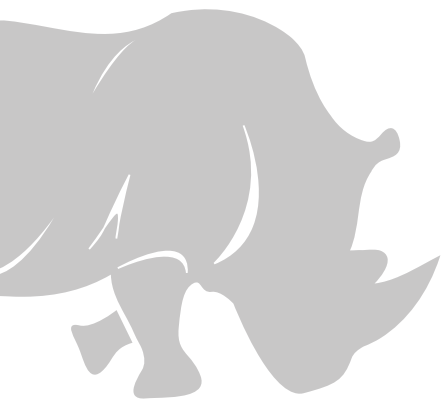




ULTRA SILENCED EC FAN

Safety & Operating Instructions

MODELS: 6" RFS150EC / 8" RFS200EC / 10" RFS250EC / 12" RFS315EC / 14" RFS355EC



WARNINGS

ENSURE YOU READ THE INFORMATION MANUAL ENTIRELY PRIOR TO FIRST USE TO AVOID THE RISK OF ELECTRICAL SHOCK/FIRE/INJURY.

Thank you for purchasing this Rhino Ultra Silent EC fan. There are five models 150mm (6"), 200mm (8"), 250mm (10") and 315mm (12") and 355mm (14") in this series. Each are quiet, ultra-efficient powerful fans, and have been manufactured to ensure safety, reliability and ease of use to help create the optimum airflow whilst using less energy compared to that of a standard AC fan. **CAUTION: Keep this instruction manual safe for future reference, along with the box for storage when the fan is not in use. Please read the instruction manual carefully before use to avoid serious injury.**

- Ensure all the packaging has been removed
- Check the power cord and plug regularly for damage. If the power cord or plug is damaged, DO NOT use. It must be replaced by the manufacturer or a qualified person in order to avoid an electrical hazard
- DO NOT pull the cord too hard as it could damage and fray. If it becomes damaged after prolonged use it should be repaired by a qualified technician
- Ensure that the voltage used corresponds to the voltage indicated on the rating plate
- DO NOT allow the power cord or any other parts of the fan to touch hot surfaces, open flames, cooking or other heating appliances and DO NOT place near hot gas or electric burners
- This product is intended for household use ONLY and not commercial, industrial or outdoor use
- DO NOT cover any openings on the fan or insert objects or parts of the body into any of its openings when fan is on or off
- To protect against electric shock, do not immerse unit, plug or cord in water or other liquids
- Keep the cord away from areas where it could be walked on or tripped over
- To disconnect, first turn the socket off, grip the plug and pull from the wall outlet.
- NEVER pull the plug by the cord
- Turn the unit off when moving to another location and before cleaning
- DO NOT operate if the housing is damaged
- There are no user serviceable parts in this product. Refer servicing to a qualified person
- This application should NOT be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless supervised / instructed and the hazards are understood
- Keep away from children
- This is NOT a toy

SPECIFICATIONS

Model N°	Fan Size	Rated Voltage	Power	Frequency	Maximum Speed	
RFS150EC	150 mm	240 V AC +/- 10%	40 W	50 Hz / 60 Hz	5000 RPM	
RFS200EC	200 mm	240 V AC +/- 10%	75 W	50 Hz / 60 Hz	3800 RPM	
RFS250EC	250 mm	240 V AC +/- 10%	150 W	50 Hz / 60 Hz	3200 RPM	
RFS315EC	315 mm	240 V AC +/- 10%	320 W	50 Hz / 60 Hz	3000 RPM	
RFS355EC	350 mm	240 V AC +/- 10%	550W	50 Hz / 60 Hz	3000 RPM	

OPERATING INSTRUCTIONS

- Check there is no damage to the fan, wires or plug
- Check the direction of the air flow – this is indicated on the fan by arrows
- Place fan in required position using ratchets / cables / screws
- DO NOT install fan on weak surfaces
- Connect any ducting / filters
- Choose desired way to control fan – either with the standard Varispeed controller or by using one of the three cables all supplied in the box. These connect to the side of the fan
- Connect plug to the mains
- Set required fan speeds
- Test and adjust accordingly – after turning the power on the fan should rotate freely and build up speed normally

MAINTAINENCE

- Clean the unit regularly to ensure the blades can move freely
- DO NOT clean whilst the unit is switch on. Turn off and unplug the unit
- DO NOT use cleaning detergent or chemicals to clean the fan
- Wipe the unit and blades with a damp cloth
- DO NOT spray water or liquid on or into the fan
- Never immerse in water or let water enter the fan controller outlet
- DO NOT clean the unit with cloths that have metal parts

CONTENTS

- Adaptors to accommodate RJ45, and 3-pin controllers
- 'Varispeed' controller
- Fan with UK Plug

STORAGE

- When not in use store in a cool dry location.
- To prevent dust and dirt use the packaging to re-pack the unit
- Follow the maintenance instructions

SPECIFICATIONS

	Max. Airflow	Noise Level	Static Pressure	Impeller Design	Motor Type	Weight	IP Rating
	530 m ³ /h	50 dB	500 Pa	Mixed flow	EC	5 kg	IPX4
	1205 m ³ /h	52 dB	520 Pa	Mixed flow	EC	7.5 kg	IPX4
	1800 m ³ /h	55 dB	510 Pa	Mixed flow	EC	13.7 kg	IPX4
	2987 m ³ /h	66 dB	677 Pa	Mixed flow	EC	19 kg	IP64
	4357 m ³ /h	70 dB	716 Pa	Mixed flow	EC	26.3 kg	IP64

PROBLEM SOLVING

- Ensure there is a fan controller attached
- If blades do not rotate – check all cables and plugs are connected correctly
- Check correct voltage is being used in accordance with the fan
- Check the fan speed is set up correctly
- If there is abnormal noise check the fan is fitted correctly with correct fastenings (excessive vibration will shorten the life span of the fan)

GENERAL ADVICE

- The fans can be used with different controllers, but the optimum RPM may vary.
- Selecting different RPM will affect the volume of the air flow, noise and pressure in the ducting
- The fan must be attached to a fan speed controller for it to power on.
- Each controller may give a different reading than those listed
- The fans can be connected to controllers requiring RJ45 or 3-pin by using the adaptors supplied, a jack plug controller can also be connected directly into the unit

CONFORMITY WITH DIRECTIVES

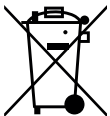
All models are CE marked to denote conformity with directives 2014/35/EU (Low Voltage) and 2014/30/EU (Electromagnetic Compatibility), as amended. Standard 6095-1:2006/A2:2013 Rhino 10" Ultra Silent Fan (RFS250) – EN50564:2011 ErP rating. Rhino 12" Ultra Silent Fan (RFS315) – EN50564:2011 ErP rating. Rhino 14" Ultra Silent Fan (RFS355) – EN50564:2011 ErP rating.

WARRANTY

This product is guaranteed under warranty and covers defects in material or workmanship from 2 years of date of purchase. The original bill of purchase (with purchase date) must be submitted. The warranty will not apply in cases of misuse, by non-compliance of the instructions; degradation from regular or incorrect use, e.g. overloading, non-approved accessories, force or damage caused by external forces, if the plug has been tampered with or removed, partially or completely dismantled product, or interference by non-qualified persons.

ENVIRONMENTAL PROTECTION

DISPOSAL



This symbol indicates that this product must not be placed in general household waste. It should be sent to a separate recycling facility for recovery, check local authorities for details.

By responsible recycling and separating this product from other household waste it will help protect the environment and human health, as the volume of waste sent to incinerators or land-fills will be reduced and natural resources conserved.



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