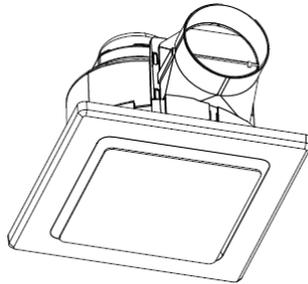




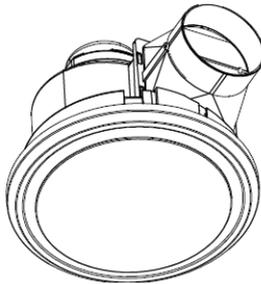
100 Years of Gerard Electrical Tradition

Installation and Operating Instruction Book



FNCEFDSS

Ceiling Exhaust Fan, Ducted, Small (245mm cut out) Square Fascia



FNCEFDSR

Ceiling Exhaust Fan, Ducted, Small (245mm cut out) Round Fascia



CAUTION!

READ ALL SAFETY PRECAUTIONS AND INSTRUCTIONS CAREFULLY
BEFORE INSTALLATION AND OPERATION.

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INTRODUCTION & SPECIFICATIONS

CONGRATULATIONS ON YOUR CHOICE

Thank you and we are delighted you have chosen a TRADER exhaust fan for your home. Please read all instructions carefully before assembly and use.

SAFETY NOTICES

WARNING / CAUTION

A WARNING / CAUTION notice denotes a hazard. It calls attention to an installation procedure, operating procedure, maintenance procedure, or the like, that if not correctly performed or adhered to, could result in damage to this appliance, personal injury or death. Do not proceed beyond a WARNING / CAUTION notice until the indicated conditions are fully understood and met.

SAFETY SYMBOLS

	Alternating current
	Fuse-link
	Protective earth
	Warning/Caution

PRODUCT SPECIFICATIONS

MODEL	RATED VOLTAGE	RATED FREQUENCY	RATED POWER	IP	AIR VOLUME	FASCIA SIZE (mm)	PRODUCT HEIGHT	CUT OUT SIZE
FNCFDSS	220-240V~	50Hz	30W	IPX2	270m ³ /hr	270 x 270	195mm	245mm
FNCFDSR	220-240V~	50Hz	30W	IPX2	270m ³ /hr	270 x 270	195mm	245mm

SAFETY PRECAUTIONS

Please observe the following general safety precautions carefully before and during all phases of handling, installation, removal, operation and maintenance of this appliance. Failure to comply with these precautions violates safety standards of design, manufacture and intended use of the product.

Trader assumes no liability for a customer's failure to comply with these requirements.



SAFETY WARNINGS

1. Read all instructions and safety information. Review assembly diagrams provided before installing your new exhaust fan.
2. All electrical work must only be undertaken after disconnection of the power by removing fuses or turning off the circuit breaker, to ensure all pole disconnection from the electrical supply.
3. **This product is a DIY product. However, if installation of power outlet is required, all electrical work must be carried out by a licensed and qualified electrician and in accordance to AS/NZS 3000 Wiring Rules and applicable local authority regulations.**
4. All installations must comply with the relevant Australian Building Code for ventilations
5. Apply common sense and practice care at all times during installation and operation.
6. This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety.
7. Children should be supervised to ensure that they do not play with the product.
8. Do use a power cable with a minimum of 10A rating.
9. Do not cut or notch joists, beams and rafters to install the product.

10. Do not damage hidden electrical wiring or utilities when making the ceiling cut.
11. The product must be installed so that switches and other controls cannot be touched by a person in the bath or shower.
12. Do not install the product directly above the shower, bath enclosures or a location where water will splash onto it.
13. The product must be earthed.
14. Check and confirm after the product is completely installed that all connections are proper and secure to prevent the product from falling, causing property damages or injury.
15. Do not probe through the fascia opening.
16. Do not operate the exhaust fan without the fascia being installed.
17. If the supply cord is damaged, it must be replaced by Trader to avoid a hazard.
18. The exhaust fan is for indoor use only and to be installed so that the lowest point is 2.1m above the floor.

UNPACKING YOUR EXHAUST FAN

Open the original carton and verify the following items are available for the standard purchase of this product. If there are any missing or mechanically damaged items, contact Trader GSME Customer Care. Do not throw away the carton or other packaging material as it may be needed if warranty replacement or repair is ever necessary.

Included in the box:

- 1 x Exhaust Fan assembly with power cord with plug attached
- 1 x Cut out template
- 1 x Instruction book
- 1 x Warranty card

CHOOSING A PROPER LOCATION

HOW TO CHOOSE A PROPER LOCATION FOR EXHAUST FAN

This product can be installed indoor in places that require circulated air flow such as bathrooms, ensuites and laundries. **The product comes with a power cord and plug that is to be connected to a pre-wired power outlet.**

1. The product must be horizontally mounted on a ceiling and not on a wall or raked ceiling.
2. The product should not be installed directly above shower cubicle or bath enclosure.
3. The product should not be installed in a location where there is a possibility of water splashing onto it and the switch being touched by a person in the bath or shower.
4. It is very important that air is allowed to enter the room being ventilated. This can be done by increasing the gap under the door, installing door grilles or opening windows.

It is impossible to exhaust more air from a room than is allowed to enter it.

5. The product should be positioned to ensure ventilation air traversing the room provides ventilation to all areas. Avoid positioning the product too close to windows or doors as such positioning cut short the airflow path and does not provide proper ventilation. Ensure air is ventilated to outside through ductwork.

Precaution must be taken to avoid the back-flow of gases into the room from the open flue of gas or other fuel-burning appliances.

Exhaust fans may adversely affect the safe operation of appliances in burning gas or other fuels (including those in other rooms) due to back flow of combustion gases. These gases can potentially result in carbon monoxide poisoning. After installation of an exhaust fan such as a partition fan or a duct fan the operation of fluid gas appliances should be tested by a competent person to ensure that back flow of combustion gases does not occur.

6. It is recommended that the air outlet points towards an outer wall and the ductwork (not supplied) interconnecting the air outlet and the external grille (not supplied) are laid in a straight fashion. If it is desirable for ductwork to run across any timber structures such as rafter, stud or joist, ensure the closest structure is not within 300mm of the air outlet.
7. **Ensure the air outlet of the product is not directed to or close to a rafter or stud allowing the draft stopper on the outlet to fully open when fan is turned on.**
8. The product should be placed within 90cm of a pre-wired socket allowing power cable to be connected.
9. Ensure there is at least 2.1 metres between the fascia and the floor.

10. Ensure there is at least “Xmm” (see below table) clearance above the ceiling for installation.

MODEL	FNCFDSS	FNCFDSR
Product height without fascia	195mm	221mm
Product height including fascia	195mm	221mm
Minimum height clearance (X) from rooftop to the ceiling	≥ 300mm	≥ 300mm
Air outlet diameter	100mm	100mm

11. Ensure the product is installed at least 250mm away from the walls.

12. Ensure the product is at least 1 metre away from nearby heating source

13. Do not cut or notch joists, studs, beams and rafters to install the product.

14. Before installation, ensure that there is no hidden electrical wiring or utility behind the spot where the opening is going to be made. Check and plan for the wiring route carefully.

15. Ensure the ceiling is strong enough to support the weight of at least 10 kg.

INSTALLATION INSTRUCTIONS

RECOMMENDATION ON DUCTING INSTALLATION

1. Plan the required length of duct (not supplied) carefully; cutting off excessive length of duct and ensuring ducting is as short as possible.
2. Ensure ducting is fully extended, properly supported, straight and not slacking.
3. Ensure ducting is not obstructed or squeezed.
4. Avoid bending the duct.
5. Do not use ducting with a diameter smaller than the diameter of the outlet, or the collar of the grille to which the duct is connected.
6. Secure ducting connection properly using clamp, cable tie or tape.

HOW TO INSTALL THE EXHAUST FAN



Make sure electricity is turned off at the mains power box before commencing work. Turn-off the power by removing fuse or turning off circuit breaker before installing the product.

If installation of power outlet is required, all electrical work must be carried out by a licensed and qualified electrician and in accordance to AS/NZS 3000 Wiring Rules and applicable local authority regulations.

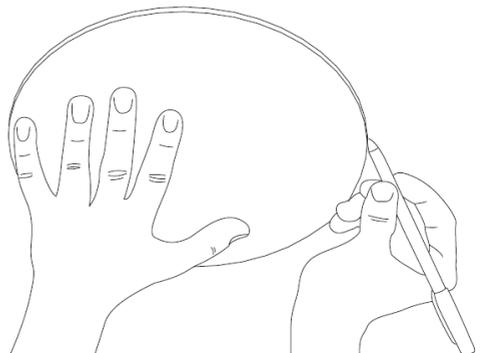
I. LOCATING THE POSITION:

1. Spend some time choosing an appropriate mounting location with reference to instructions under “HOW TO CHOOSE A PROPER LOCATION FOR EXHAUST FAN” on page 4.

Make sure there is an accessible power outlet in the ceiling. The area behind the intended location must be clear of obstacles such as cables, pipes and joists.

Use a pencil and trace around the template (enclosed in the package).

Using an appropriate cutting device, cut along the line and remove excess material from the ceiling.



II. INSTALL THE FAN:

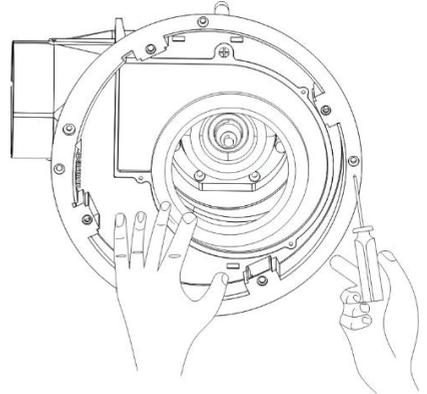
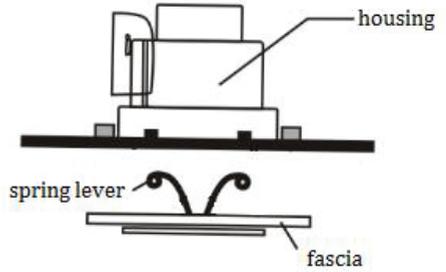
2. Remove the fascia by pressing the two spring levers attached to the rear of fascia and pulling the springs out from the two slots on housing carefully.

Install the ductwork following recommendation on ducting installation. Direct ducting (not supplied) towards the cut out opening and the direction of air outlet. Connect ducting to air outlet and secure its connection. Connect plug to a pre-installed power outlet.

Push four bar clamps inwards and make sure they are not obstructing when inserting the exhaust fan assembly through the opening.

3. Push the bar clamps back in the opposite direction to lock in behind ceiling. Then tighten the four clamp screws. Do not over tighten the screws.

NOTE: If ceiling is thicker than 13mm, remove the bar clamps and use wood screws instead (not supplied) to secure the exhaust fan to ceiling. Locate screws through the 3 screw holes on the outer lip of fan housing.

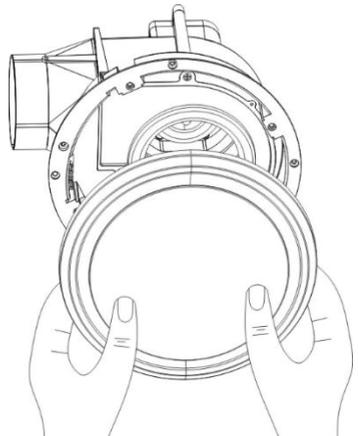


III. ATTACH THE FASCIA

4. Clip in the four clamp covers supplied separately for each bar clamp openings to help stop dust and back draft from entering the back body.

Reinstall the fascia by compressing and pushing the two spring levers attached to rear of fascia through slots on housing.

NOTE: Make sure the fascia is fully secure to the housing, and sitting flat on ceiling.



CARE, MAINTENANCE AND TROUBLESHOOTING



Make sure electricity is turned off at the mains power box before commencing work. Turn-off the power by removing fuse or turning off circuit breaker before installing the product. Allow the fan to stop completely before commencing work.

CLEANING

Regular cleaning of the fan is recommended to avoid excessive build-up of dust and ensure optimum performance.

1. After power is turned off and the fan has stopped and cooled down, wipe the outer surface with a clean damp cloth. **Do not use alcohol cleaner, cleaning agents or solvents when cleaning.**
2. Do not remove the fascia and use dishwasher to clean.

TROUBLESHOOTING GUIDE

Read the information below before calling for warranty.

1. FAN AND LIGHT DOES NOT START OR OPERATE

- i. Check that the main circuit breakers are in “ON” position
- ii. Check the power outlet switch is turned “ON”.
- iii. Check that the fan is free from any obstructions.

2. FAN SOUNDS NOISY

- i. Some noise is normal as exhaust fan moves air quickly and this results in some noise.
- ii. Check that the clamping screws are firmly tightened and not loose.
- iii. Check the fascia is securely attached.
- iv. Check that the fan is free from any obstructions.

3. FAN DOES NOT MOVE MUCH AIR

- i. Exhaust fan removes air from room and the air discharged must be replaced by fresh air from outside. This source of fresh air generally occurs at the door gap or windows. If the room has insufficient replacement air coming in, the exhaust fan can be noticeably noisier and barely extract air.
- ii. To correct this, increase the gap on the door or windows to ensure the outside air can come in.
- iii. If the fan is ducted, ensure there are no obstructions inside the duct.
- iv. Check that the back draft is fully open when the fan in operation.

Two (2) Year Warranty

This product has been manufactured to the highest quality standards.

This product is warranted to the original purchaser and is not transferable.

The product is guaranteed to be free from defects in workmanship and parts for a period of 2 Years from the date of purchase. Defects that occur within this warranty period, under normal use and care will be repaired, replaced or refunded. The benefits conferred by this warranty are in addition to all other rights and remedies of the consumer under Commonwealth, State and Territory laws in relation to the goods or services to which this warranty relates and Australian Consumer Law. Risk in regard to the product to be repaired shall at all times remain with the Purchaser. The warranty is given on the condition that the product to which it applies is used for the purpose and in the manner intended by its construction and for no other purposes whatsoever. GSM Electrical (Australia) Pty Ltd shall not be responsible for damage of any kind, caused by accidents, power surges, electrical storm damage, incorrect power current, infestation (vermin or insect), incorrect installation, incorrect electricity or plumbing installation, improper use of controls or failure to use the product in accordance with the operating instructions, general misuse or abuse or from normal wear and tear. Any attempt by an unauthorised person to repair or tamper with the equipment shall render the warranty null and void.

GSM Electrical (Australia) Pty Ltd's liability under this warranty is limited to the replacement and/or repair of the defective parts within the warranty period and does not extend to installation or removal of the product. Acceptance of liability by GSM Electrical (Australia) Pty Ltd contained herein is to the exclusion of any other remedy whatsoever and howsoever arising in respect of any equipment to which it applies.

