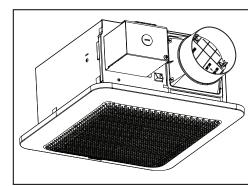
Panasonic

INSTALLATION INSTRUCTIONS

Ventilating Fan

Model No. FV-0811RFC1 / FV-0811RF2



READ AND SAVE THESE INSTRUCTIONS

hank you for purchasing this Panasonic product ase read these instructions carefully before attempting to stall, operate or service the Panasonic product. Please arefully read the "GENERAL SAFETY INFORMATION" ailure to comply with instructions could result in personal jury or property damage. Please explain to users how to erate and maintain the product after installation and this manual should be presented to users. Please retain this manual for future references.

See page 12 for "Panasonic Warranty Sheet".

GENERAL SAFETY INFORMATION

For You Safety

To reduce the risk of injury, loss of life, electric shock, fire, malfunction, and damage to equipment or property, always observe the following safety precautions.

The following symbol word panels are used to classify and describe the level of hazard, injury, and property damage

Explanation of symbol word panels

caused when the denotation is disregarded and improper use is performed. enotes a potential hazard that could result in serious injury or death.

▲ WARNING **A** CAUTION

notes a hazard that could result in minor injury.

Denotes a hazard that could result in property damage.

NOTICE

The following symbols are used to classify and describe the type of instructions to be observed.

his symbol is used to alert users to a specific operating procedure that must be followed in order to perate this unit safely.

his symbol is used to alert users to a specific operating procedure that must not be performed.

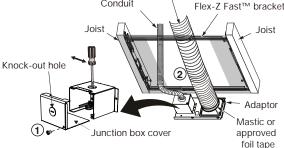
his symbol is used to alert users not to disassemble the equipmen

is symbol is used to alert users to make sure of grounding when using the equipment with the grounding



INSTALLATION (RETROFIT) (CONTINUED)

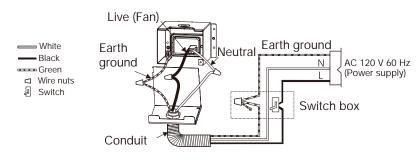




Remove screw from junction box cover to nove the knock-out hole and secure conduit or stress relief to junction box knock-out hole Install the circular exhaust duct and secure it

with clamps or ties and seal it with mastic or approved foil tape. A 3 or 4 inch circular duct is needed to connect to the relevant part of the adaptor.

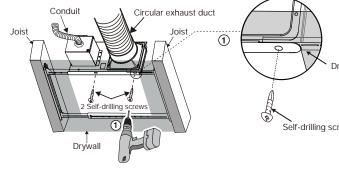
3 Connect wires



(1) Refer to WIRING DIAGRAM (Page 4). Follow all the local electrical safety codes as well as the National Electrical Code (NEC). Use UL approved wire nuts to connect fan wires. After connecting wires, replace junction box cover







GENERAL SAFETY INFORMATION (CONTINUED)

A WARNING

To reduce the risk of fire, electric shock or injury to persons, observe the following:

Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means

to prevent power from being switched on accidentally. When the service disconnecting means cannot be ocked, securely fasten a prominent warning device, such as a tag, to the service panel. nstallation work and electrical wiring must be done by qualified person(s) in accordance with all applicable

codes and standards, including fire-rated construction. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and

safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the local code

When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.

Ducted exhaust fans must always be vented to the outdoors.

this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and nnected to a GFCI (Ground Fault Circuit Interrupter) - protected branch circuit.

These models are UL listed for tub and shower enclosures.

Do not disassemble the unit for reconstruction. It may cause fire or electric shock.

If this product is no longer to be used, it must be removed from the ceiling to prevent it from falling.

The ceiling joist must be able to withstand a static load of at least five times the weight of the product

Do not install with a method which is not approved in the instructions. Do not use this fan with any solid-state speed control device. Solid state controls may cause harmonic

distortion which can cause a humming noise in the motor. This product must be properly grounded.

A CAUTION

Do not install this ventilating fan in a location where the interior room temperature may exceed 40 °C (104 °F).

Make sure that the electric service supply voltage is AC 120 V 60 Hz. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the

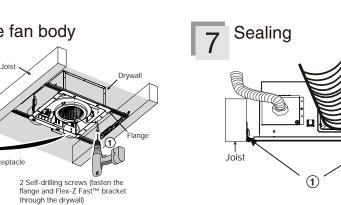
Occupational Safety and Health Administration (OSHA).

Always disconnect the power source before working on or near the fan, motor or junction box.

INSTALLATION (RETROFIT) (CONTINUED)

Insert fan body

(1) Insert fan body and slide into adaptor assembly using the guide parts until you hear a click from

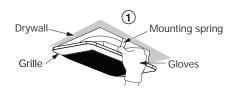


(1) Once fan body is mounted and secure, fill gap (1) Secure the fan body to Flex-Z Fast™ bracket etween flange and ceiling with caulk or other by using 2 self-drilling screws. sealant to prevent air leakage. $({f 2})$ Plug connector into receptacle and secure fan

(2) Adjust Pick-A-Flow™ switch. (Refer to explanation under FEATURES). (Page 5)

A CAUTION

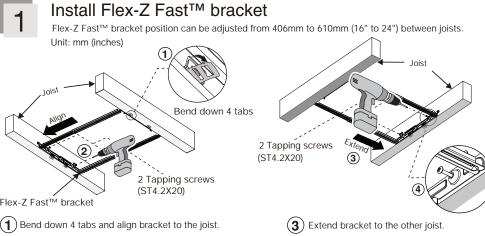
Please take care when installing the machine screw (Step 6) to avoid cross threading and to ensure that the screw does not strip or come in contact with the Flex-Z Fast™ bracket.



ody to adaptor by using machine screw (M4X8).

1 Insert the mounting springs into the slot as shown to mount grille to fan body.

INSTALLATION (NEW CONSTRUCTION) ⚠ WARNING



IMPORTANT:

move the tape placed on the damp

GENERAL SAFETY INFORMATION (CONTINUED)

Protect the supply wiring from sharp edges, oil, grease, hot surfaces

he special-purpose or dedicated parts, such as mounting fixtures,

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and veneral

hemicals or other objects

xplosive materials and vapors.

must be used if such parts are provided.

O not connect multiple units in parallel. If two or more units are connected to one switch in parallel,

Do not install the unit where ducts are configured as shown in below:

These products are listed by UL under UL file No. E78414.

a high-capacity sirocco fan developed to reduce the noise level.

Part name | Appearance | Quantity

Provide make up air for proper ventilation.

the units may not function.

SUPPLIED ACCESORIES

DESCRIPTION

UNPACKING

Grille

Flex-Z Fast™

-ST4.2X20)

Self-drilling

(with 4

Not for use in cooking area. (Fig. A)

Do not kink the supply wiring.

NOTICE

connect power supply before

ase wear gloves to protect hands

Ensure the junction box cover encloses

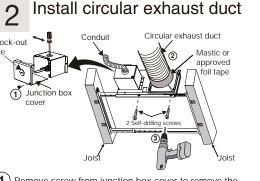
efore locking in place with the attached

all the wires and is completely flush

installing the unit.

(2) Align and install bracket to joist by using 2-preinstalled tapping screws.

(4) Install bracket to joist by using 2-preinstalled Connect wires



(1) Remove screw from junction box cover to remove the knock-out hole and secure conduit or stress relief to iunction box knock-out hole.

(2) Install the circular exhaust duct and secure it with clamps or ties and seal it with mastic or approved foil tape. A 3 or 4 inch circular duct is needed to connect to the relevant part of the adaptor.

1) Refer to WIRING DIAGRAM (Page 4). Follow all the local electrical safety codes as well as the National Electrical Code (NEC). Use UL approved wire nuts to connect fan wires. After connecting wires, replace junction box cover.

 $\textbf{3} \text{ Install the adaptor to Flex-Z Fast}^{\intercal M} \text{ bracket by using 2 self-drilling screws.}$

DIMENSIONS

(Cooking area) Do not install above or

inside this area

Fig. A

Excessive bending

Successive bending

Saueezed duct

Bend close to duct adaptor

Part name

instructions/

Warranty shee

3 inch duct

(optional part

Machine

screw (M4X8)

Appearance | Quantity

These products use a sirocco fan driven by a DC motor powered by an integral transformer. The motor is designed to

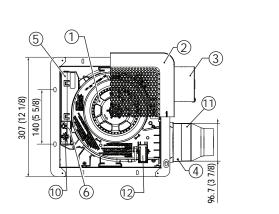
have long operating life, high dynamic response, higher speed ranges and energy savings. The grille covering the fan

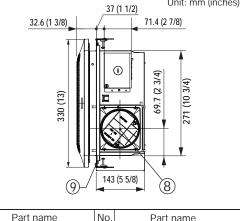
body is a spring-attached, quick removal type. A damper for preventing air counter flow is provided. The blower uses

This Panasonic ventilating fan model is equipped with a humidity sensor that turns the fan on automatically when

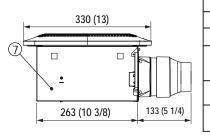
Unpack and carefully remove the unit from carton. Refer to the Supplied Accessories list to verify that all parts are

humidity increases rapidly, or when humidity rises above a 30% - 80% relative humidity set-point.



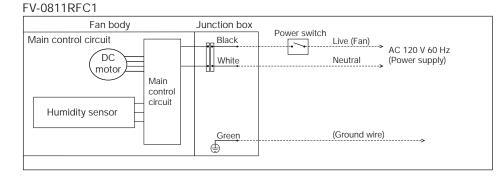


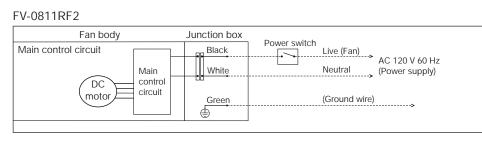
Part name



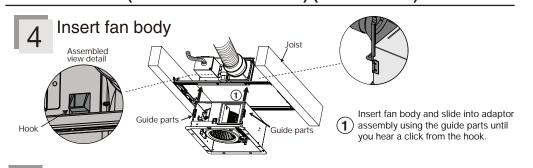
1) Blade Fan body Grille Flex-Z Fast™ bracket (3) Junction Box Activation humidity setting dial (FV-0811RFC1) Only 1 Duct reducer (Optional part) Humidity sensor (FV-0811RFC1) Only (6) Pick-A-Flow™ Switch

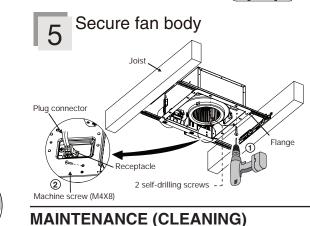
WIRING DIAGRAM





INSTALLATION (NEW CONSTRUCTION) (CONTINUED)





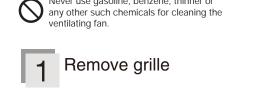
Disconnect power supply before working on unit.

↑ When the flange overlaps Flex-Z Fast™ bracket, secure it by using 2 self-drilling) Plug connector into receptacle and secure fan body to adaptor by using the machine screw (M4X8). (3) Follow the step 7 to 8 in INSTALLATION

enough ambient heat to be subjected to these limitations. The ducting from this fan to the outside of the building has a strong effect on the air flow, noise and energy use of the fan. Use the shortest, straightest duct routing possible for best performance, and avoid alignment and absorbs sound. installing the fan with smaller ducts than recommended.
Insulation around the ducts can reduce energy loss

| Clamps plus mastic or approved foil faced tape at all flex joints | Foil tape tightly covers all me duct joints (glue PVC joints)

Do not immerse motor in water when cleaning. Do not soak resin parts in ear. Please wear gloves during the cleaning work. water over 60 °C (140 °F).



lever use gasoline, benzene, thinner or

A WARNING

A CAUTION



(1) Remove grille by pulling down one mounting spring, then pull the other

FEATURES

customizable, modular fan.

hese products employ innovative, state-of-the-art technologies that provide a number of customizable unique features that lead to improved indoor air quality. Please read this manual first in order to realize the benefits of this

Optimum Ventilation Performance:

Duct length, elbows and other factors increase static pressure which can hinder the performance of most ventilation fans. These products utilize SmartFlow™ microchip technology that monitors the static pressure in the system and speeds up or slows down the rpm of the fan depending upon the amount of resistance within the ducts. This feature allows the fan to perform as rated and avoid potential installation issues.

Outstanding Energy Savings:

These products are built using DC motor technology. The DC motor is 30% \sim 70% more energy efficient than the minimum ENERGY STAR requirements

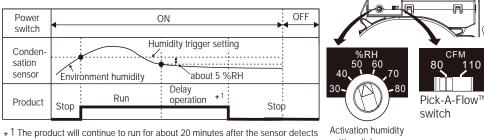
Pick-A-Flow™ Feature:

This product comes with Pick-A-Flow[™] speed options The Pick-A-Flow™ switch on the face of the product allows the option to choose 80 or 110 CFM. This product can run continuously or intermittently, depending upon the needs of the owner.

	Air volume option (CFM)		Factory setting
ľ	80	110	80 CFM
	Model - EV 0011E	DEC1	

he airflow can be set with the Pick-A-Flow™

switch, and humidity triggers can be set by adjusting the humidity setting dial. See the following visual operation chart.



Pick-A-Flow™ switc

that the humidity is ~5 % RH lower than the humidity setting before stopping.

1. The power switch should be left on at all times

the humidity trigger setting on the dial.

2. The product will also run when the humidity rises rapidly but does not reach the humidity trigger setting, and then stop after the time delay. 3. The activation humidity settings on the dial are continuous from 30 %RH ~ 80 %RH.

4. The humidity detected by the sensor may differ from the value on your hygrometer 5. The product may cycle on and off if the humidity is constantly near the trigger point. This can be addressed by raising

MAINTENANCE (CLEANING) CONTINUED

Maintenance of unit

NOTE: The grille should be dry after cleaning

cloth. Reinstall grille after finishing.

perly insulate the area around the fan to minimize

building heat loss and gain. Loose fill or batt insulation

can be placed directly over the fan housing in the attic. Panasonic fans do not create excessive heat

which is a common problem with recessed light fixtures and some competitor's fan/light combination.

SPECIFICATIONS

PRODUCT SERVICE

Panasonic Canada Inc

www.panasonic.com

5770 Ambler Drive, Mississauga, ON L4W 2T3

FV-0811RF2

(2) Remove dust and dirt from fan body using a vacuum cleaner.

PRACTICAL GUIDE TO INSTALLATION

6. The fan will run for 20 minutes when power switch is first turned on, regardless of the humidity sensor settings. After 20 minutes, the fan will return to sensor mode.

(1) Clean grille. (Don't put into hot water. Use non-abrasive kitchen detergent, wipe dry with clean cloth).

(3) Using a cloth dampened with kitchen detergent, remove any dirt from fan body. Wipe dry with a clean

and inhibit mold growth. Fans installed with existing ducts may not achieve their rated air flow

Air Voltage Frequency Duct Air volume diameter at 0.1" WG

HVI Certified performance based on HVI Procedures 915, 916, and 920

102 mm or 76 mm (4 inches or 3 inches

of jack, wall cap,or soffit vent with ackdraft damper

and seal with mastic or approved foil <

(sones)

0.4

1.1

80

110

designed and manufactured to ensure a minimum of maintenance. Should your unit require service or parts, call

(rpm)

905

1043

7.1

11.6

0.96 cm - 91.44 cm (2-3 ft)

INSTALLATION (RETROFIT)

oud noise. Damper Adaptor

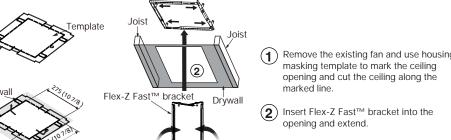


A WARNING Disconnect power supply before

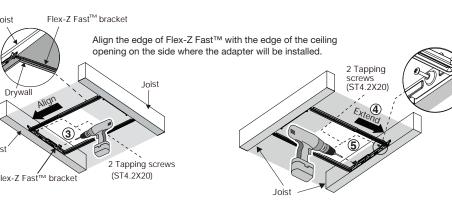
Please wear gloves to protect hands during the installation

Install Flex-Z Fast™ bracket

Flex-Z Fast™ bracket position can be adjusted from 406mm to 610mm (16" to 24") between joists. Unit: mm (inches)



Draw the contour with a marker through marked line



(3) Align and install bracket to joist by using (4) Extend bracket to the other joist. (5) Install bracket to joist by using 2-preinstalled tapping screws.

Panasonic Ventilation Fan Warranty / Certificat de garantie pour ventilateurs Panasonic

Panasonic Canada Inc.

or subjected to usage for which they were not designed. Similarly, the warrant does not apply to products that have been altered or repaired in any way that affects their reliability or detracts from their performance. The warranty does not cover accidental damage, including shipping damage or damage resulting from repairs performed by anyone not authorized by Panasonic

WARRANTY SERVICE For product operation and information assistance:

5770 Ambler Drive

Mississauga, Ontario L4W 2T3

Please contact your Dealer or Panasonic at: Telephone: 905-238-2348

PROOF OF PURCHASE DATE STATUS WARRANTIES

e provisions of this written warranty are in addition to, and not a modification of, or subtraction from, the statutory warrantie and other rights and remedies contained in any applicable legislation

Panasonic Canada Inc. garantit cet appareil contre tout défaut de pièce et de main-d'œuvre pendant la période indiquée ci-après à compter de la date d'achat 1. Toutes les pièces et moteurs (sauf les moteurs c.c.) Trois (3) ans de la date d'achat origina

ou impropre. De plus, si l'appareil a été altéré ou transformé de façon à modifier l'usage pour lequel il a été conçu, cette garantie devient nulle et sans effet. Cette garantie ne couvre pas les dommages découlant d'un accident en transit ou d'une réparation non autorisée par Panasonic Canada Inc

élécopieur : 905-238-2251

SERVICE APRÈS-VENTE SOUS GARANTIE Pour tout renseignement sur les produits ou assistance technique : Veuillez contacter votre détaillant ou Panasonic Canada Inc. au : Téléphone : 905-238-2348

PREUVE DE LA DATE D'ACHA La facture ou autre preuve de la date d'achat original sera exigée pour toute réparation sous le couvert de cette garanti

GARANTIES STATUTAIRES

CUSTOMER'S RECORD / POUR VOS DOSSIERS

IF YOU SHIP THE PRODUCT TO A SERVICE CENTER / EXPÉDITION DE L'APPAREIL À UN CENTRE DE SERVICI

Warning Concerning Removal of Covers. The unit should be serviced by qualified technicians only. Your product is

Panasonic Corporation 2022

Carefully pack and send prepaid, adequately insured and preferably in the original carton. Please include details Emballer soigneusement l'appareil, de préférence dans le carton d'origine, et l'expédier port payé et assuré au centre de service. Inclure la description détaillée

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