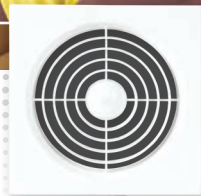




A brand of  legrand

VENTILATION SOLUTIONS



**STRONG
RELIABLE
QUIET**

WHY VENTILATION IS SO IMPORTANT

It is important to understand what contributes to poor indoor air quality and the potential affects and harm that can be caused by poor ventilation in a home. Poor ventilation can cause a number of problems such as condensation, mould, allergies, dust mites and air pollutants (odours). These can potentially lead to structural building issues and health problems for residents. A properly ventilated home can create a safe, comfortable and healthier environment.



MOISTURE that is not properly ventilated can cause mildew and mold formation, which can potentially lead to structural and health problems. Exhaust ventilation solutions from HPM remove humidity at the source to help maintain the optimal humidity balance of 40 to 60 percent.



OFF-GASSING from construction materials, carpeting, adhesives and synthetic materials—as well as solvents from common household cleaners—can accumulate in tightly built homes.

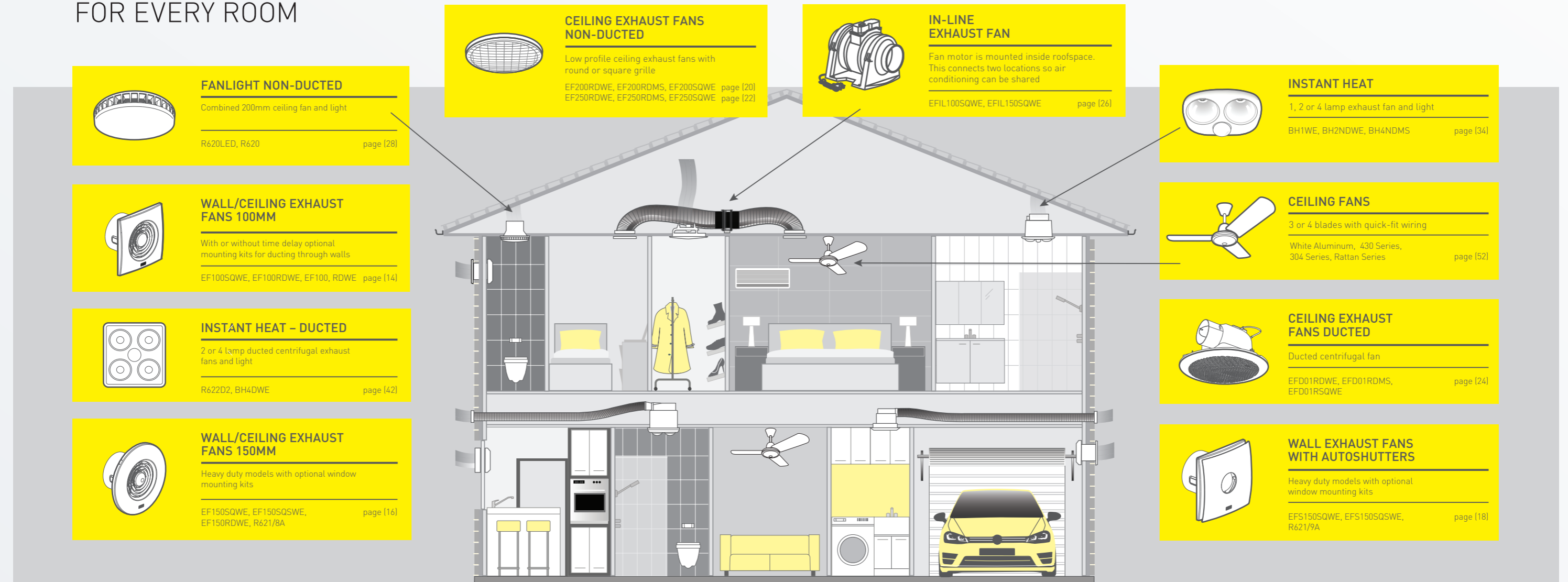


PARTICULATES from dust, allergens, pet dander, and more can contribute to poor indoor air quality up to 100 times dirtier than outside air. With a properly ventilated home, you create a more enjoyable, comfortable, and healthier environment.



COOKING EFFLUENTS from food preparation can infiltrate the whole house in minutes. Grease, oils and aromas settle permanently into carpets, furniture, clothing and other surfaces. Kitchen ventilation solutions help eliminate cooking effluents for a cleaner, more comfortable and healthier environment.

VENTILATION SOLUTIONS FOR EVERY ROOM





EXHAUST FANS



FAN REGULATIONS



AUSTRALIAN BUILDING CODE PARAGRAPH 3.8.5.0 STATES:

Performance requirement P2.4.5 is satisfied for mechanical ventilation system if it is installed in accordance with AS 1668.2 "Mechanical ventilation for acceptable indoor air quality", except that any contaminated air from a sanitary compartment or bathroom must:

- a. Exhaust directly to outside the building by way of ducts; or
- b. Exhaust into the roof space provided:
 - i. It is adequately ventilated by open eaves, and/or roof vents; or
 - ii. The roof is clad in roofing tiles without sarking or similar materials, which would prevent venting through gaps between tiles.

As detailed above, in dwellings with a metal roof, or where the roof is lined with sarking, ventilating directly in to the roof space is not permitted by building codes unless the roof space is adequately ventilated by open eaves or roof vents.



BATHROOMS

The regulations require a fan capable of a minimum extraction capacity of 25 litres per second when installed.



KITCHENS

The regulations require a fan capable of a minimum extraction capacity of 50 litres per second when installed.



TOILETS

The regulations require a fan capable of a minimum extraction capacity of 25 litres per second when installed.



LAUNDRIES

The regulations require a fan capable of a minimum extraction capacity of 20 litres per second when installed.

CHOOSING THE RIGHT EXHAUST FAN

STEP 1:

Calculate the room volume in cubic meters length (m) × width (m) × height (m) = Xm³

STEP 2:

Check the air changes/hour adapted for your application (refer to the table below)

| LOCATION | AIR CHANGES PER HOUR | ROOM | BATHROOM | KITCHEN |
|---------------|----------------------|-----------------------|--|---------------------------------------|
| Bathrooms | 6-10 | Volume | 2.0m × 2.4m × 2.0m = 9.6m ³ | 2.4m × 2.8m × 2.4m = 16m ³ |
| Kitchens | 15-20 | No. of AC/H | 6 | 15 |
| Toilets | 6-10 | Air movement required | 6 × 9.6 = 57.6m ³ /h | 16 × 15 = 240m ³ /h |
| Utility Rooms | 15-20 | | | |
| Laundries | 10-30 | | | |

STEP 3:

Calculate the max airflow in cubic metres/hour:

Volume in cubic metre per hour of the room × Air Changes per Hour

The result will provide you with the maximum airflow in cubic metres/hours

STEP 4:

Select the fan for your application with a higher performance than the maximum airflow calculated above

| CAT NO. | FAN SIZE | DESCRIPTION | EXTRACTION | SUGGESTED APPLICATIONS |
|-------------|----------|---|----------------------|------------------------|
| EF100SQWE | 100mm | Square white non-ducted Wall exhaust fan | 94m ³ /h | En, WC |
| EF100SQSWE | 100mm | Square slimline white non-ducted Wall exhaust fan | 105m ³ /h | En, WC |
| EF100RDWE | 100mm | Round white non-ducted Wall exhaust fan | 105m ³ /h | En, WC |
| EFIL100SQWE | 100mm | Square white In-line exhaust fan kit | 255m ³ /h | B, En, K, L, WC |
| EF150SQWE | 150mm | Square white non-ducted Wall exhaust fan | 218m ³ /h | B, En, K, L, WC |
| EF150SQSWE | 150mm | Square slimline white non-ducted Wall exhaust fan | 309m ³ /h | B, En, K, L, WC |
| EFS150SQWE | 150mm | Square white with shutters non-ducted Wall exhaust fan | 200m ³ /h | B, En, K, L, WC |
| EFS150SQSWE | 150mm | Square slimline white with shutters non-ducted Wall exhaust fan | 267m ³ /h | B, En, K, L, WC |
| EF150RDWE | 150mm | Round white non-ducted Wall exhaust fan | 309m ³ /h | B, En, K, L, WC |
| EFIL150SQWE | 150mm | Square white Inline exhaust fan kit | 555m ³ /h | B, Bd, En, K, L, WC |
| EF200RDWE | 200mm | Round white non-ducted Ceiling exhaust fan | 350m ³ /h | B, En, K, L, WC |
| EF200RDMS | 200mm | Round matt silver non-ducted Ceiling exhaust fan | 350m ³ /h | B, En, K, L, WC |
| EF200SQWE | 200mm | Square white non-ducted Ceiling exhaust fan | 350m ³ /h | B, En, K, L, WC |
| EF250RDWE | 250mm | Round white non-ducted Ceiling exhaust fan | 400m ³ /h | B, En, K, L, WC |
| EF250RDMS | 250mm | Round matt silver non-ducted Ceiling exhaust fan | 400m ³ /h | B, En, K, L, WC |
| EF250SQWE | 250mm | Square white non-ducted Ceiling exhaust fan | 400m ³ /h | B, En, K, L, WC |
| R621D1 | 250mm | Square white with ducted Ceiling exhaust fan | 160m ³ /h | B, Bd, En, K, L, WC |
| EFD01RDWE | 250mm | Round white with ducted Ceiling exhaust fan | 330m ³ /h | B, Bd, En, K, L, WC |
| EFD01RDMS | 250mm | Round matt silver with ducted Ceiling exhaust fan | 330m ³ /h | B, Bd, En, K, L, WC |
| EFD01SQWE | 250mm | Square white with ducted Ceiling exhaust fan | 330m ³ /h | B, Bd, En, K, L, WC |
| R620LED | 200mm | Round white with LED light Fanlight non-ducted | 300m ³ /h | B, En, WC |
| R620 | 200mm | Round white with light Fanlight non-ducted | 300m ³ /h | B, En, WC |

*Legend: B-Bathroom Bd, Bedroom En-Ensuite K-Kitchen L-Laundry WC-Toilet



NEED HELP FINDING THE RIGHT EXHAUST FAN?
TRY OUR EXHAUST FAN SELECTOR TOOL.



FAN PLACEMENT

The placement is very important to maximise the fan performance.

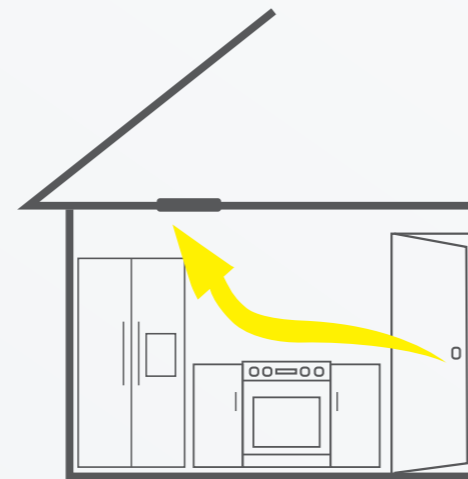
A balanced airflow is necessary for an exhaust fan to perform at its maximum efficiency. This means that there needs to be a cross flow of air through the room so that the air extracted from the room can be replaced with air drawn from a source such as window, under a door or from an air vent.

Locate the fan, if possible, on the opposite side of the room and as far away as possible from the main fresh air source. Ideally position the fan so vapour sources such as showers and stoves, fall within the air flow path. For bathrooms, it is important to place the fan close to the mirror to avoid fogging.

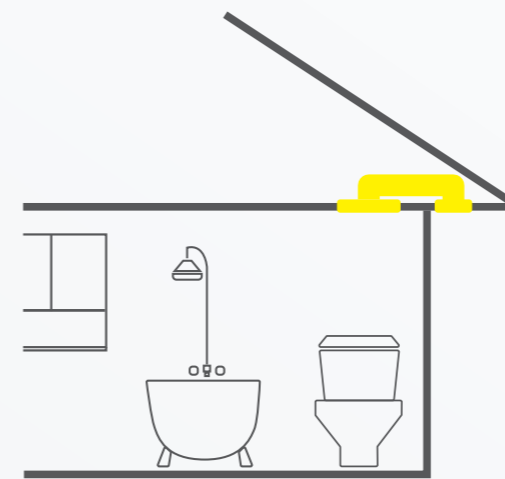


FAN INSTALLATION

Location of your ventilation fan will depend on the physical constraints of your room. The wet area zone guide will help you decide the most suitable physical installation to meet your requirements. Within the above mounting options there are various other features available:

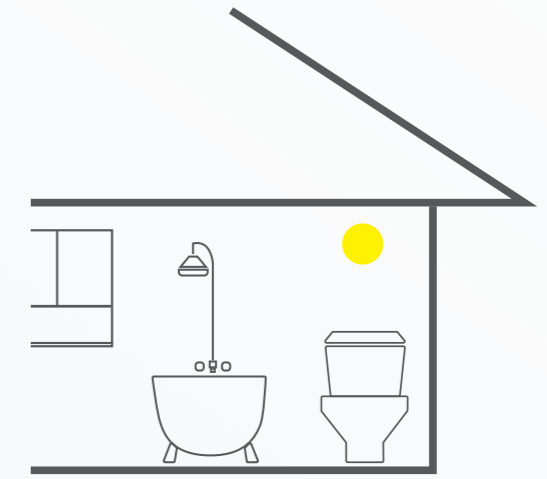


KITCHEN



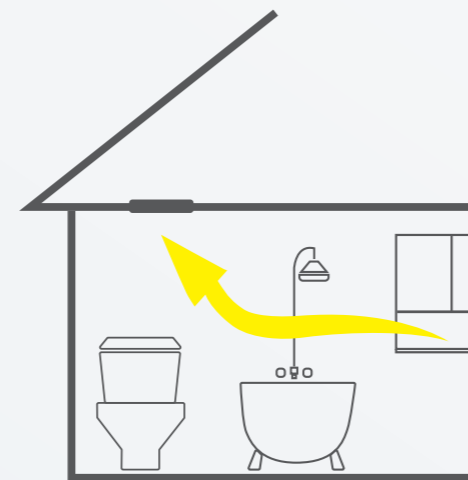
1. CEILING MOUNTED FAN

Designed for low-pitch roofs or between floors, where there is no ceiling access. Also available with heat lamps & lighting.

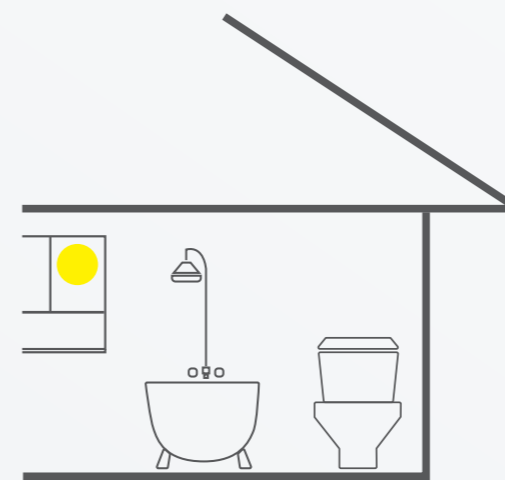


2. WALL MOUNTED FAN

Used where the bathroom is on an external wall, or there is no ceiling space for an in-line fan.

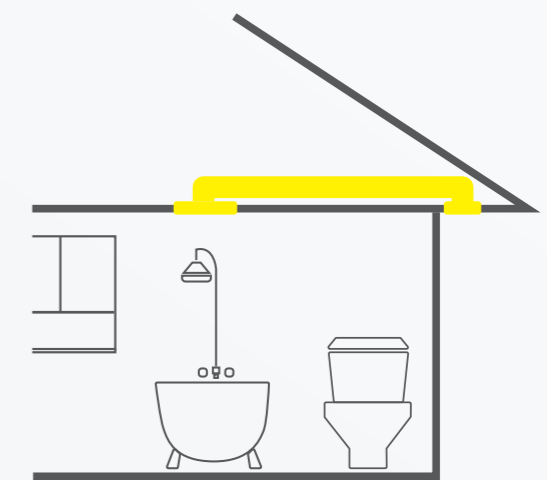


BATHROOM



3. WINDOW MOUNTED FAN

Used in situations where an existing window fan is being replaced, or where there is no available external wall space and no ceiling space access.



4. IN-LINE MOUNTED FAN KIT

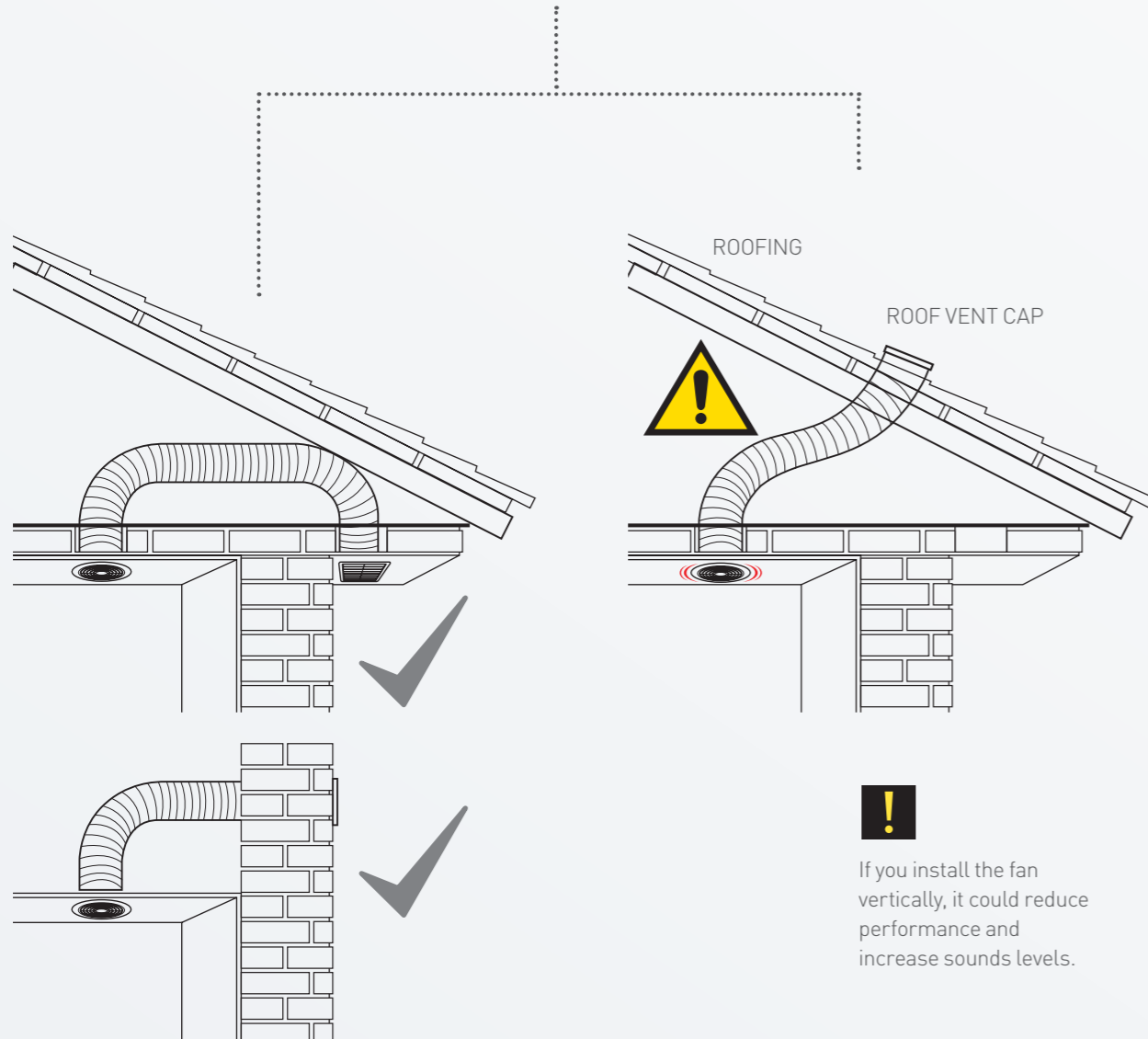
Most common bathroom installation, the fan is mounted in the ceiling space with the grille directly above the source of the steam.

Generally this type of installation is quieter as the fan is not directly in the room.

FAN INSTALLATION

WARNING

You **MUST** have your exhaust fan vented /ducted horizontally to an eave AND must have an open window or 20mm off the base of a door to allow cross ventilation.



WET AREA RECOMMENDATIONS & TIPS

It is important to consider the wet areas of a room when you place an instant heater in a bathroom or ensuite. For safety reasons, there are a few rules to follow when installing an exhaust fan close to a shower:

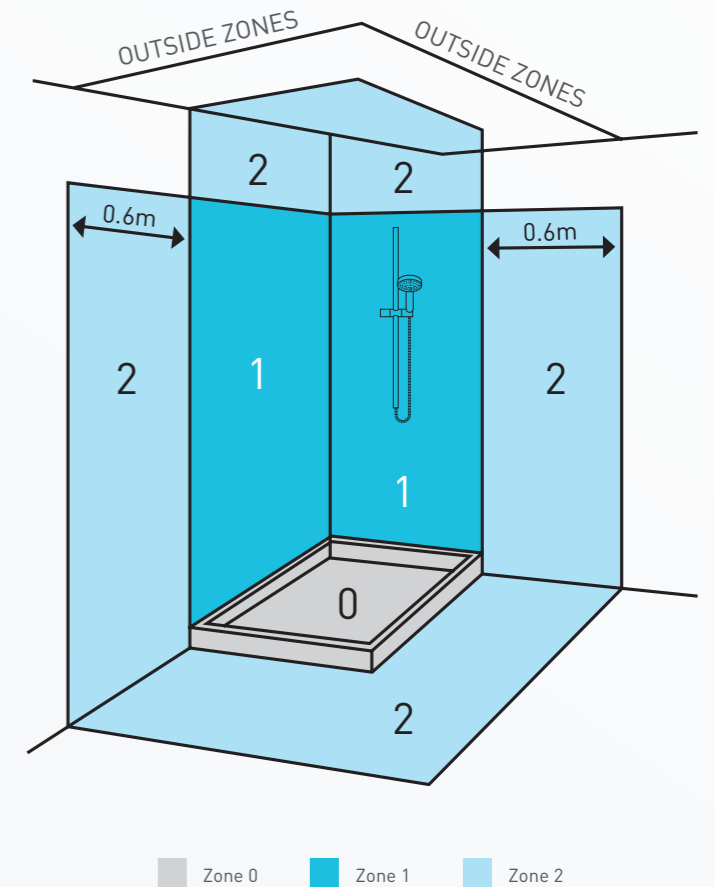
1. It is necessary to respect zones of installations

- Zone 0:** This is the interior of the bathtub or shower basin
- Zone 1:** This extends above zone 0 and around the perimeter of the bath or shower basin to 2.25m for NZ and 2.5m for Australia above the floor level
- Zone 2:** This extends 600mm beyond Zone 1 and to a height of 2.25m for NZ and 2.5m for Australia above floor level

Where possible we recommended your fan is not installed directly above the shower/bath as condensation may occur causing dripping.

Note: Example shown is typical only. Consult AS/NZS 3000 for full definition of installation zones in wet areas.

2. You **MUST** have your exhaust fan vented /ducted horizontally to an eave AND must have an open window or 20mm off the base of a door to allow cross ventilation



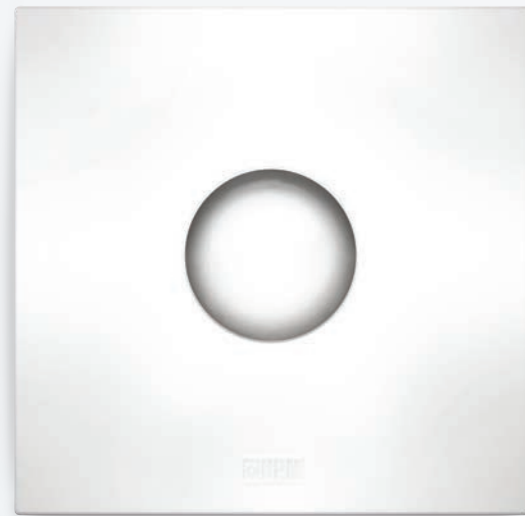
TIPS

- Positioning fans as high as possible will increase the exhaustion of air often trapped near the ceiling.
- Wall mounting – Check your potential position has no hidden pipes or cables nearby, and your potential position on the outside wall is free of drainpipes.
- Ceiling mounting – Check the area above the proposed fan location is free of joists, pipes or cable.
- Window mounting – HPM recommends a professional glazier pre-cuts the glass. If there is pre-existing stress in the glass, it could crack during cutting.
- Clean fan grilles periodically by removing obstructions from both inlets and outlets to help ensure maximum performance.
- To extend the life of an exhaust fan or heat lamp, operate upon entering the room – before using room facilities. For example, before having a shower.

WALL EXHAUST FAN NON-DUCTED

100MM SERIES

If you like contemporary design and have a small space to ventilate, these are the perfect exhaust fans.



EF100SQWE

Main applications
Perfect for residential bathrooms



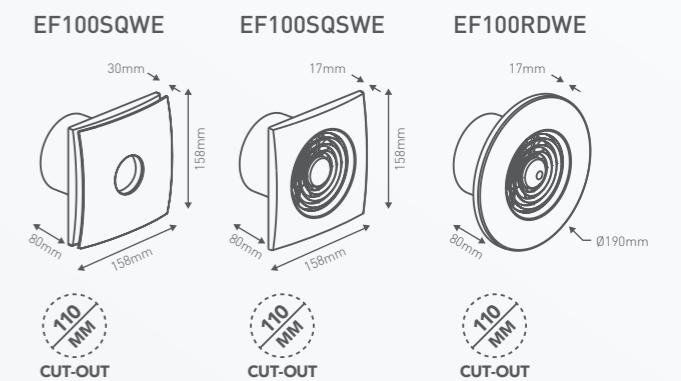
EF100QSWE



EF100RDWE



| | EF100SQWE | EF100QSWE/ EF100RDWE |
|---|------------------------------|-------------------------|
| Exhaust fan | 100mm axial | 100mm axial |
| Frequency | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c |
| Motor rating | 14W | 14W |
| Maximum airflow | 94m³/h | 105m³/h |
| Draught stopper | Yes | Yes |
| Auto shutters | No | No |
| Required wall cavity/ceiling depth | >200mm | >200mm |
| IP weatherproof rating | IP44 | IP24 |
| Weight | 500g | 450g |
| Product codes | White Fascia Square | EF100SQWE |
| | White Fascia Slimline Square | EF100QSWE |
| | White Fascia Slimline Round | EF100RDWE |



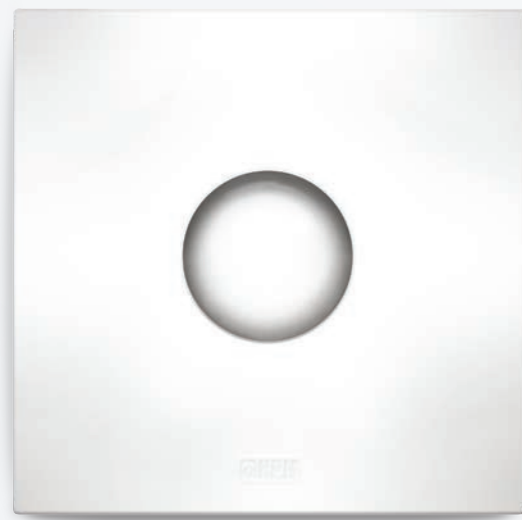
WALL EXHAUST FAN NON-DUCTED

150MM SERIES

These versatile exhaust fans are ideal for medium to large spaces.

Main applications

Perfect for residential bathrooms



EF150SQWE



EF150QSWE



EF150RDWE

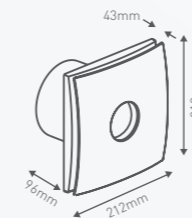


R621/8A

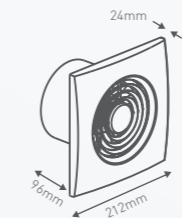


| | EF150SQWE | EF150QSWE/ EF150RDWE | R621/8A |
|---|------------------------------|-------------------------|----------------|
| Exhaust fan | 150mm axial | 150mm axial | 150mm axial |
| Frequency | 50Hz | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c | 230 – 240V a.c |
| Motor rating | 24W | 24W | 29W |
| Maximum airflow* | 218m³/h | 309m³/h | 245m³/h |
| Draught stopper | Yes | Yes | No |
| Required wall cavity/ceiling depth | >310mm | >310mm | >300mm |
| IP weatherproof rating | IP44 | IP24 | IP44 |
| Weight | 1kg | 0.9kg | 1.3kg |
| Product codes | White Fascia Square | EF150SQWE | |
| | White Fascia Slimline Square | EF150QSWE | |
| | White Fascia Slimline Round | EF150RDWE | |
| | White Fascia Square | R621/8A | |

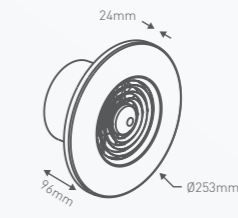
EF150SQWE



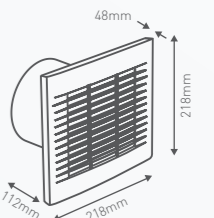
EF150QSWE



EF150RDWE



R621/8A



*Airflow dependent on installation conditions

WALL EXHAUST FAN WITH AUTO SHUTTERS NON-DUCTED

150MM SERIES

Complete with an excellent draught stopper, it reduces air entering and escaping from the room, helping the home remain warmer in winter and cooler in summer.



EFS150SQWE



EFS150QSWE

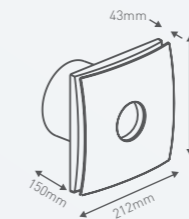


R621/9A

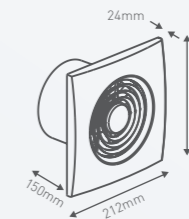


| | EFS150SQWE | EFS150QSWE | R621/9A |
|------------------------------------|------------------------------|----------------|-------------------|
| Exhaust fan | 150mm axial | 150mm axial | 150mm axial |
| Frequency | 50Hz | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c | 230 – 240V a.c |
| Motor rating | 24W | 24W | 29W |
| Maximum airflow* | 200m³/h | 267m³/h | 245m³/h |
| Draught stopper | Auto shutter | Auto shutter | Auto shutter |
| Required wall cavity/ceiling depth | >310mm | >310mm | >300mm |
| IP weatherproof rating | IP44 | IP24 | IP44 |
| Weight | 1.2kg | 1.1kg | 1.3kg |
| Product codes | White Fascia Square | | EFS150SQWE |
| | White Fascia Slimline Square | | EFS150QSWE |
| | White Fascia Square | | R621/9A |

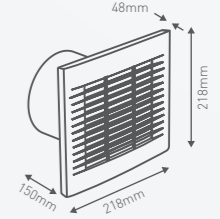
EFS150SQWE



EFS150QSWE



R621/9A

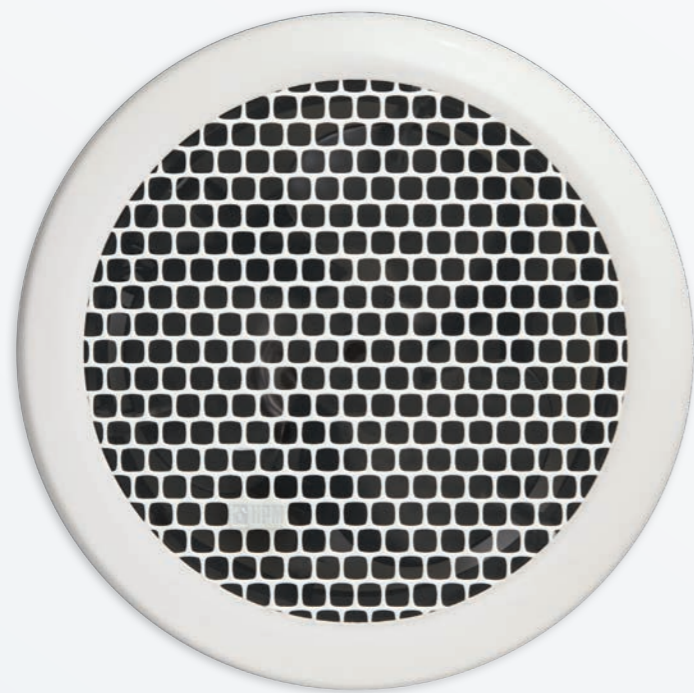


*Airflow dependent on installation conditions

CEILING EXHAUST FAN NON-DUCTED

200MM SERIES

These exhaust fans are ideal for mid size bathrooms, kitchens and laundries. The modern 'honeycomb' fascia design maximises airflow and prevents dirty dust build-up. And the high quality motor has a greater resistance to high temperatures, quieter operation, and longer lifespan than common alternatives.

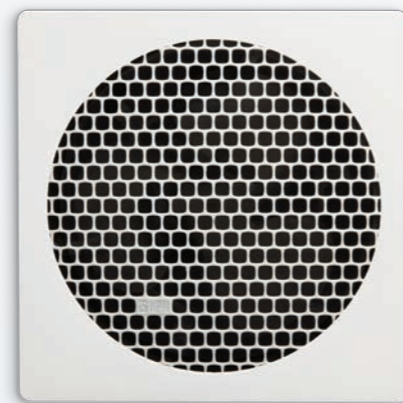


EF200RDWE

Main applications
Perfect for residential bathrooms



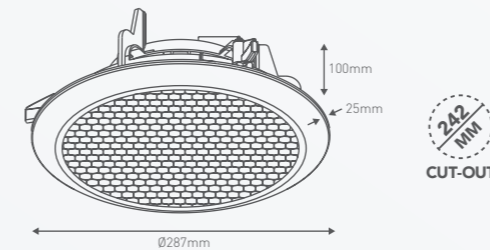
EF200RDMS



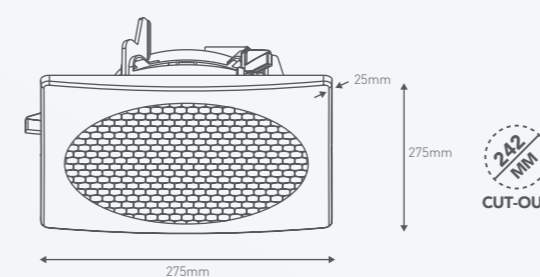
EF200SQWE

| | EF200RDWE/ EF200RDMS/ EF200SQWE |
|---|---------------------------------------|
| Exhaust fan | 200mm axial |
| Frequency | 50Hz |
| Supply voltage | 230 – 240V a.c |
| Motor rating | 35W |
| Maximum airflow | 350m ³ /h |
| Draught stopper | No |
| Required wall cavity/ceiling depth | >130mm |
| Weight | 1.1kg |
| Product codes | |
| White Fascia Round | EF200RDWE |
| Matt Silver Fascia Round | EF200RDMS |
| White Fascia Square | EF200SQWE |

EF200RDWE and EF200RDMS



EF200SQWE



CEILING EXHAUST FAN NON-DUCTED

250MM SERIES

These exhaust fans are ideal for larger bathrooms, kitchens and laundries. The modern 'honeycomb' fascia design maximises airflow and prevents dirty dust build-up. And the high quality motor has a greater resistance to high temperatures, quieter operation, and longer lifespan than common alternatives.

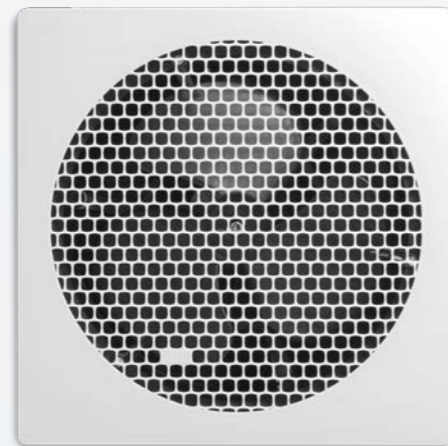


EF250RDWE

Main applications
Perfect for residential bathrooms



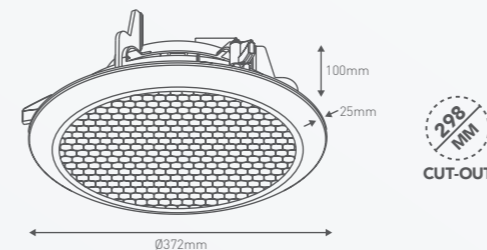
EF250RDMS



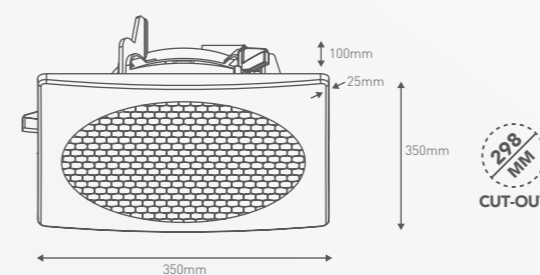
EF250SQWE

| | EF250RDWE/ EF250RDMS/ EF250SQWE |
|------------------------|---|
| Exhaust fan | 250mm axial |
| Frequency | 50Hz |
| Supply voltage | 230 - 240V a.c |
| Motor rating | 38W |
| Maximum airflow rate | 400m ³ /h |
| Draught stopper | No |
| Required ceiling depth | ≥130mm |
| Weight | 1.3kg |
| Product codes | |
| | White Fascia Round EF250RDWE |
| | Matt Silver Fascia Round EF250RDMS |
| | White Fascia Square EF250SQWE |

EF250RDWE and EF250RDMS



EF250SQWE



CEILING EXHAUST FAN DUCTED

For bathrooms with restricted ceiling spaces, this exhaust fan extracts steam and air outside preventing moisture damage. While it whisks away steam and odours, it also prevents the build up of mould, mildew and fogging mirrors.



EFD01RDWE

Main applications
Perfect for residential bathrooms



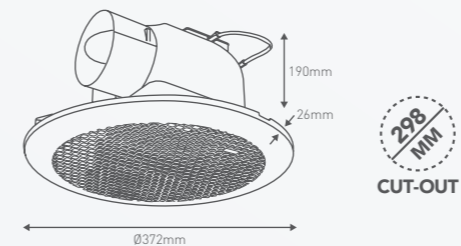
EFD01RDMS



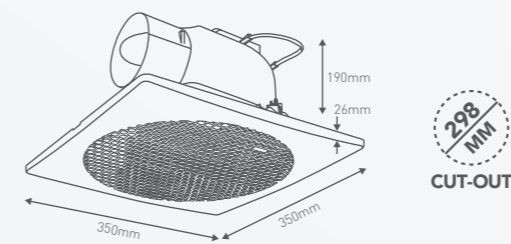
EFD01SQWE

| | EFD01RDWE/ EFD01RDMS/ EFD01SQWE |
|--------------------------|---------------------------------------|
| Exhaust fan | Centrifugal |
| Frequency | 50Hz |
| Supply voltage | 230 - 240V a.c |
| Motor rating | 40W |
| Maximum airflow rate | 330m ³ /h |
| Draught stopper | Yes |
| Duct Requirement | Ø150mm |
| Required ceiling depth | >190mm |
| Weight | 1.3kg |
| Product codes | |
| White Fascia Round | EFD01RDWE |
| Matt Silver Fascia Round | EFD01RDMS |
| White Fascia Square | EFD01SQWE |

EFD01RDWE and EFD01RDMS



EFD01SQWE



INLINE EXHAUST FAN DUCTED KIT

100MM & 150MM SERIES

The inline fan is designed to extract steam and odours from a bathroom and expel it to the exterior through an eave outlet. It is also suitable for extracting air from one room and expelling it to another room. This inline feature allows the inlet grille to be mounted in wet areas, or even above the shower. And because the motor is in the ceiling cavity, noise from the fan is minimal.

Main applications

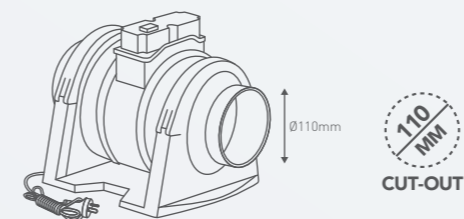
Ideal for transferring hot or cool air from air-conditioning, fireplaces, and oil heaters from room to another



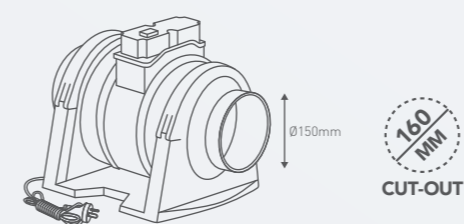
EFIL100SQWE/ EFIL150SQWE

| | EFIL100SQWE | EFIL150SQWE |
|-------------------------------|---|---|
| Exhaust fan | 100mm axial | 150mm axial |
| Frequency | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c |
| Motor rating | 30W | 60W |
| Maximum airflow rate | 255m ³ /h | 555m ³ /h |
| Draught stopper | Yes | Yes |
| Duct Requirement | Ø100mm | Ø150mm |
| IP weatherproof rating | IP55 | IP55 |
| Weight | 1.9kg | 3kg |
| Inclusions | 5m x Ø100mm duct, external grille, duct tape and cable ties | 5m x Ø150mm duct, external grille, duct tape and cable ties |
| Product codes | White Fascia Square 100mm | EFIL100SQWE |
| | White Fascia Square 150mm | EFIL150SQWE |

EFIL100SQWE



EFIL150SQWE



2
SPEED
SWITCH

UP TO
MAX
AIRFLOW
555m³/h

5 YEAR
WARRANTY



FANLIGHT NON-DUCTED KIT 200MM SERIES

The stylish fanlight has dual functionality of an exhaust fan with an integrated light. The fan whisks away odours and condensation with ease. The angled air vents hide the build up of dust and are super easy to clean. For added convenience, the light and exhaust fan can be switched on separately or together.



R620

Main applications

Perfect for residential
- commercial - bathrooms



TIP

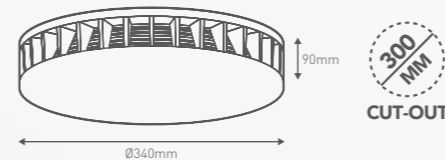
Energy-saving LED light



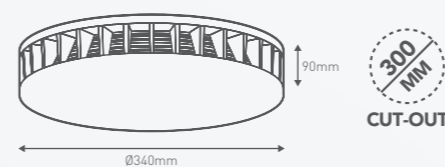
R620LED

| | R620LED | R620 |
|-------------------------------|--------------------------|--------------------------|
| Exhaust fan | 200mm axial | 200mm axial |
| Frequency | 50Hz | 50Hz |
| Supply voltage | 230 - 240V a.c | 230 - 240V a.c |
| Motor rating | 38W | 38W |
| Max power consumption | 49W | 113W |
| Max Airflow Rate | 300m ³ /h | 300m ³ /h |
| Light | 11W | 75W max |
| Lamp | LED | Bayonet lamp holder (BC) |
| Required ceiling depth | >130mm | >130mm |
| Weight | 3kg | 3kg |
| Product codes | White LED Fanlight 300mm | R620LED |
| | White 300mm | R620 |

R620



R620LED



EASY PLUG-IN

600 LUMENS

5 YEAR WARRANTY



ACCESSORIES

| | CAT. NO. | DESCRIPTION |
|---|-------------|---|
|  | R621/4D | WALL KIT 100mm fixed grille kit – with duct, cable ties, wall plugs and external grille |
|  | R621/6D | WALL KIT 150mm fixed grille kit – with duct, cable ties, wall plugs and external grille |
|  | EFGR200RDWE | REPLACEMENT GRILLES Ø200mm round white finish. Compatible with EF200 series |
|  | EFGR250RDWE | REPLACEMENT GRILLES Ø250mm round white finish. Compatible with EF250 series |
|  | EF100/150TD | TIME DELAY MODULE 1-29min for EF100 & 150 series wall fans |
|  | R621/6WA | WINDOW FAN KIT 150mm window grille kit – with gaskets, flush plate and external grille |
|  | A800 | EXTERNAL GRILLES Gravity grille Ø100mm airflow with shutters |
|  | A801 | EXTERNAL GRILLES Gravity grille Ø150mm airflow with shutters |
|  | A501 | EXTERNAL GRILLES Ø150mm egg-crate grille with neck adaptor |
|  | A505 | EXTERNAL GRILLES Ø150mm circular ceiling/wall diffuser |
|  | A100 | DUCTING Ø100mm x 3m length |
|  | A101 | DUCTING Ø150mm x 3m length |
|  | R621D2DA | DUCT ADAPTOR 100 to 150mm duct adaptor |

RANGE OVERVIEW

| | CAT. NO. | FINISH COLOUR | DIAMETER | MOTOR RATING | MAX AIR FLOW | IP WEATHERPROOF RATING |
|--------------------------------|-------------|---------------|----------|--------------|--------------|------------------------|
| WALL EXHAUST FAN NON-DUCTED | EF100SQWE | White | 100mm | 14W | 94m³/h | IP44 |
| | EF100SQSWE | White | 100mm | 14W | 105m³/h | IP24 |
| | EF100RDWE | White | 100mm | 14W | 105m³/h | IP24 |
| | EF150SQWE | White | 150mm | 24W | 218m³/h | IP44 |
| | EF150SQSWE | White | 150mm | 24W | 309m³/h | IP24 |
| | EF150RDWE | White | 150mm | 24W | 309m³/h | IP24 |
| | R621/8A | White | 150mm | 29W | 245m³/h | IP44 |
| | EF150SQWE | White | 150mm | 24W | 200m³/h | IP44 |
| AUTO-SHUTTER NON-DUCTED | EF150SQSWE | White | 150mm | 24W | 267m³/h | IP24 |
| | R621/9A | White | 150mm | 29W | 245m³/h | IP44 |
| | EF200RDWE | White | 200mm | 35W | 350m³/h | N/A |
| CEILING EXHAUST FAN NON-DUCTED | EF200RDMS | Silver | 200mm | 35W | 350m³/h | N/A |
| | EF200SQWE | White | 200mm | 35W | 350m³/h | N/A |
| | EF250RDWE | White | 250mm | 38W | 400m³/h | N/A |
| | EF250RDMS | Silver | 250mm | 38W | 400m³/h | N/A |
| | EF250SQWE | White | 250mm | 38W | 400m³/h | N/A |
| | EFD01RDWE | White | 150mm | 40W | 330m³/h | N/A |
| CEILING EXHAUST FAN DUCTED | EFD01RDMS | Silver | 150mm | 40W | 330m³/h | N/A |
| | EFD01SQWE | White | 150mm | 40W | 330m³/h | N/A |
| | EFIL100SQWE | White | 100mm | 30W | 255m³/h | IP55 |
| IN-LINE EXHAUST FAN DUCTED | EFIL150SQWE | White | 150mm | 60W | 555m³/h | IP55 |
| | R620LED | White | 200mm | 38W | 300m³/h | N/A |
| FANLIGHT NON-DUCTED | R620 | White | 200mm | 38W | 300m³/h | N/A |



INSTANT HEAT



INSTANT HEAT SINGLE LAMP NON-DUCTED

Perfect for ensembles and small bathrooms, this handy single heat lamp can help ward off the shivers in those cold months. The infrared heat lamps provide a focused source of fast, radiant heat making them ideal to be placed directly over the drying area for optimal heating performance.



BH1WE

Main applications

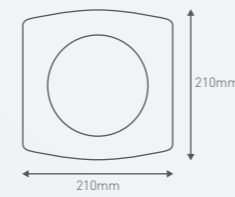
Perfect for small bathrooms, toilets or ensembles



BH1MS

| | BH1WE/BH1MS | R615 |
|-----------------------------|-------------------------------|---|
| Heat lamps | 1 x 275W | 1x 275W |
| Max power consumption | 375W | 275W |
| Frequency | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c |
| Thermal overload protection | 100°C | N/A |
| Required ceiling depth | >300mm | >300mm |
| Weight | 950g | 750g |
| Product codes | White Matt Silver White | BH1WE BH1MS R615 |

BH1WE and BH1MS



CUT-OUT

R615



CUT-OUT



R615

INSTANT POWERFUL HEATING
 275W HEAT LAMP

SAFE
 THERMAL OVERLOAD PROTECTION

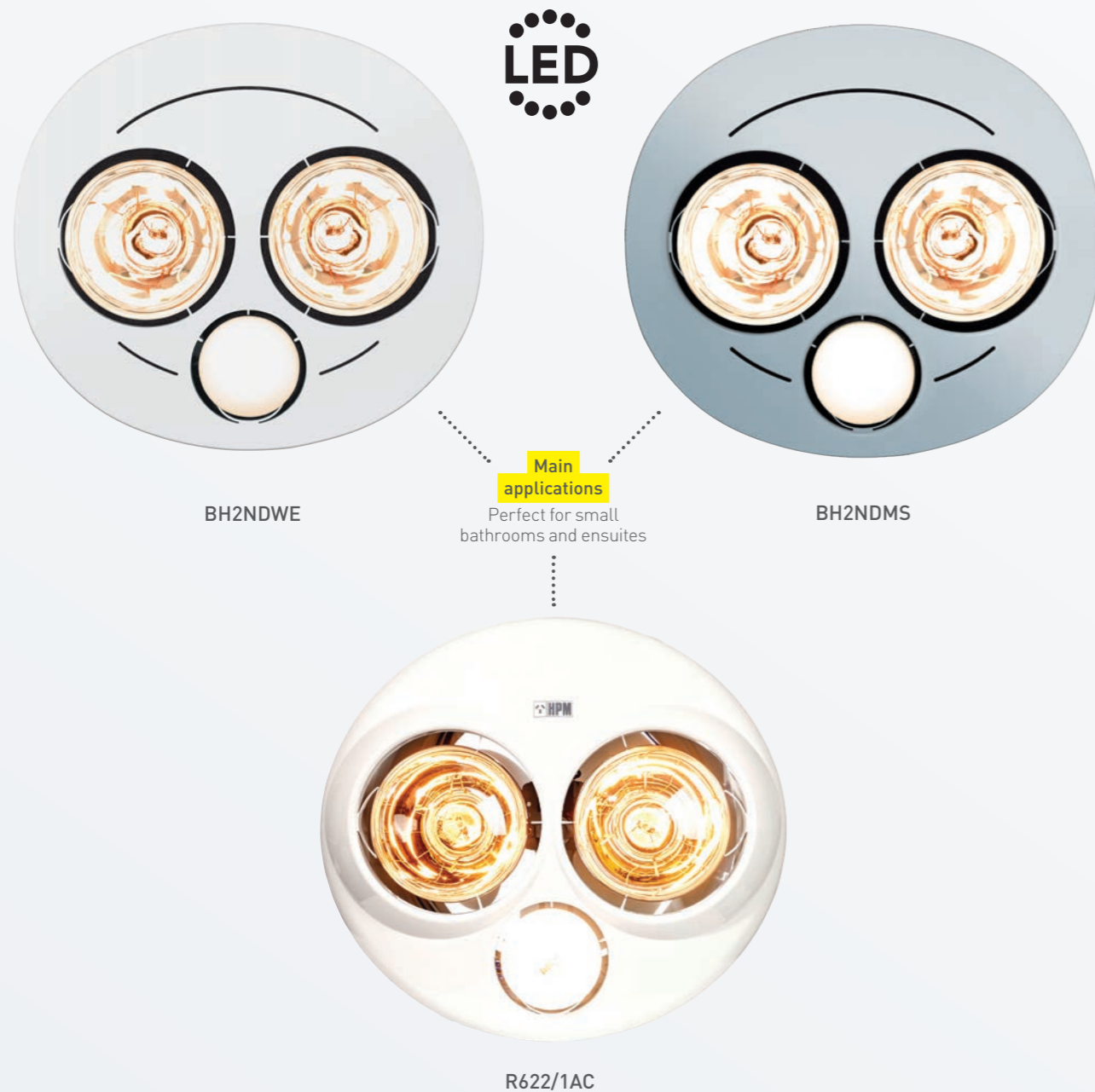
5 YEAR WARRANTY



INSTANT HEAT 3-IN-1 NON-DUCTED

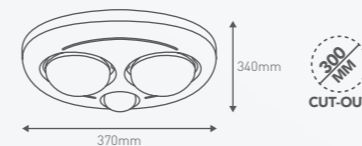
TWO LAMPS

The Instant Heat 3-in-1 combines lighting, heating and ventilation in one stylish unit. The heat lamps, exhaust fan and centre light can be used separately or together to create the perfect bathroom environment. While the heat lamps produce instant heat, the centre light provides general illumination and the exhaust fan extracts steam and moisture.

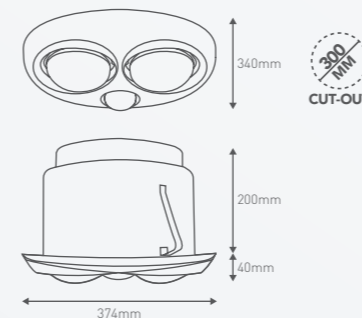


| | BH2NDWE/ BH2NDMS | R622/1AC |
|-------------------------------|--|--|
| Centre Light | 7W LED R80 E27 600 lm | 100W ES |
| Heat lamps | 2 x 275W | 2 x 275W |
| Exhaust fan | 240mm axial | 240mm axial |
| Max power consumption | 690W | 690W |
| Frequency | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c |
| Motor rating | 40W | 40W |
| Maximum airflow | 240m³/h | 240m³/h |
| Required ceiling depth | >500mm | >500mm |
| Weight | 3.3kg | 3.3kg |
| Inclusions | Excel Life 3-gang switch engraved HEAT, FAN, LIGHT | Excel 3-gang switch engraved HEAT, FAN, LIGHT |
| Product codes | White Fascia BH2NDWE Matt Silver Fascia BH2NDMS White Fascia R622/1AC | |

BH2NDWE and BH2NDMS



R622/1AC



INSTANT POWERFUL HEATING
 2 x 275W HEAT LAMPS

UP TO MAX AIRFLOW
 240m³/h

5 YEAR WARRANTY



INSTANT HEAT 3-IN-1 NON-DUCTED

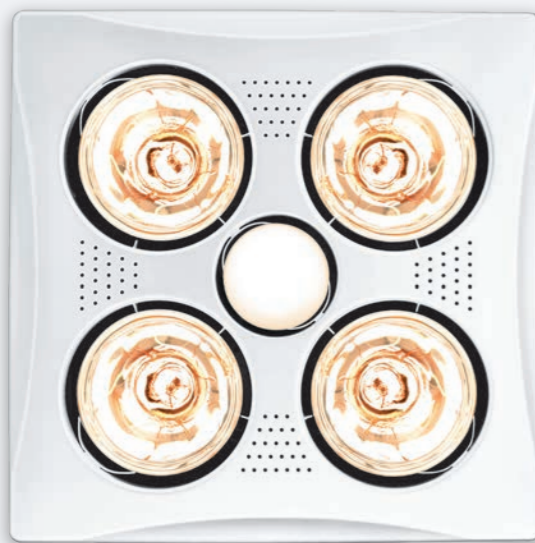
FOUR LAMPS

Relish the toasty comfort of four heat lamps for keeping warm in the cooler months. The heat lamps, exhaust fan and light in this stylish unit can be used together or separately so you can create the perfect environment, whatever the reason or season.

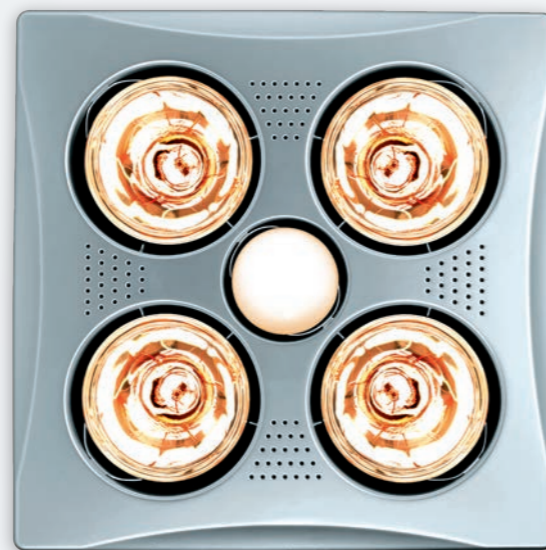
INSTANT POWERFUL HEATING
 4 x 275W HEAT LAMPS

UP TO **MAX AIRFLOW**
 400m³/h

5 YEAR WARRANTY



BH4NDWE



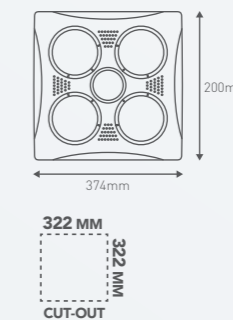
BH4NDMS

Main applications
Perfect for medium-large bathrooms

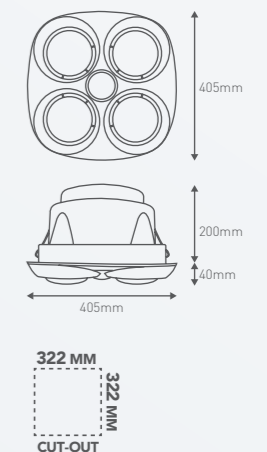


| | BH4NDWE/ BH4NDMS | R622/2AC |
|-------------------------------|--|---|
| Centre Light | 7W LED R80 E27 600 lm | 100W ES |
| Heat lamps | 4 x 275W | 4 x 275W |
| Exhaust fan | 230mm axial | 230mm axial |
| Max power consumption | 1240W | 1240W |
| Frequency | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c |
| Motor rating | 40W | 40W |
| Maximum airflow | 390m³/h | 390m³/h |
| Required ceiling depth | >500mm | >500mm |
| Weight | 4.5kg | 4.5kg |
| Inclusions | Excel Life 4-gang switch engraved HEAT, HEAT, FAN, LIGHT | Excel 4-gang switch engraved HEAT, HEAT, FAN, LIGHT |
| Product codes | White Fascia Matt Silver Fascia White Fascia | BH4NDWE BH4NDMS R622/2AC |

BH4NDWE and BH4NDMS



R622/2AC



R622/2AC

INSTANT HEAT 3-IN-1 DUCTED TWO LAMPS

A combination of light, heater and ducted exhaust fan perfect for smaller bathrooms and ensuites. Ducting to the outside prevents condensation damage to the ceiling.



BH2DWE



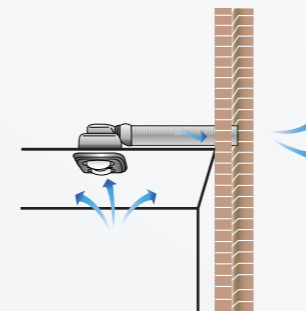
R622D1



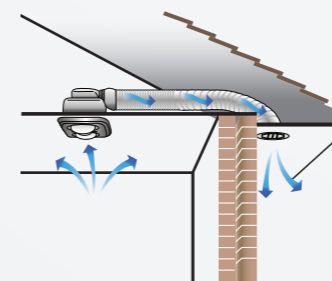
Main applications

Perfect for small bathrooms and ensuites

INSTALLATION



Multi storey application

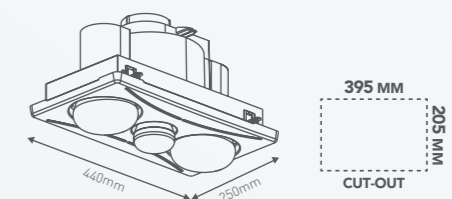


Standard roof application

INSTANT POWERFUL HEATING
 2 x 275W HEAT LAMPS
UP TO MAX AIRFLOW
 180m³/h
DUCTING KIT INCLUDED
5 YEAR WARRANTY

| | BH2DWE | R622D1 |
|------------------------------------|--|---|
| Centre Light | 7W LED R80 E27 | 60W Incandescent lamp |
| Heat lamps | 2 x 275W | 2 x 275W |
| Exhaust fan | Centrifugal | Centrifugal |
| Max power consumption | 840W | 630W |
| Frequency | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c |
| Motor rating | 50W | 16W |
| Maximum airflow | 180m ³ /h with 3m x Ø150mm diameter ducting | 95m ³ /h with 3m x Ø100mm diameter ducting |
| Thermal overload protection | 100°C | N/A |
| Required ceiling depth | >300mm | >220mm |
| Draft stopper built-in | Yes | Yes |
| Weight | 4.3kg | 3.0kg |
| Inclusions | Excel Life 3-gang switch engraved HEAT, FAN, LIGHT. 3m x Ø150mm duct, external grille, duct tape and cable ties | Excel 3-gang switch engraved HEAT, FAN, LIGHT. 3m x Ø100mm duct, external grille, duct tape and cable ties |
| Product codes | White Fascia 2 lamp | BH2DWE |
| | White Fascia 2 lamp | R622D1 |

BH2DWE



INSTANT HEAT 3-IN-1 DUCTED FOUR LAMPS

A combination of light, heater and ducted exhaust fan perfect for larger bathrooms and ensuites. Ducting to the outside prevents condensation damage to the ceiling.



BH4DWE

Main applications
Perfect for larger bathrooms and ensuites



R622D2

INSTANT POWERFUL HEATING
2 x 275W HEAT LAMPS

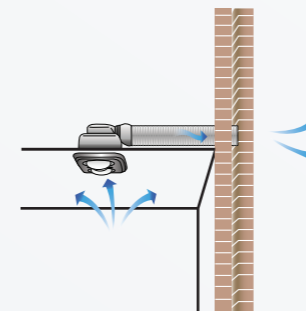
UP TO MAX AIRFLOW
240m³/h

DUCTING KIT INCLUDED

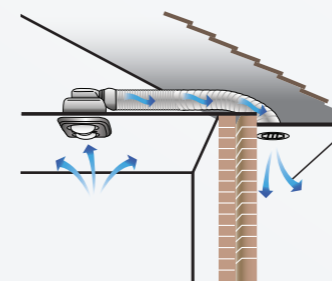
5 YEAR WARRANTY

| | BH4DWE | R622D2 |
|------------------------------------|---|--|
| Centre Light | 7W LED R80 E27 | 100W R80 Incandescent lamp |
| Heat lamps | 4 x 275W | 4 x 275W |
| Exhaust fan | Centrifugal | Centrifugal |
| Max power consumption | 1570W | 1240W |
| Frequency | 50Hz | 50Hz |
| Supply voltage | 230 – 240V a.c | 230 – 240V a.c |
| Motor rating | 50W | 30W |
| Maximum airflow | 180m³/h with 3m x Ø150mm diameter ducting | 135m³/h with 3m x Ø100mm diameter ducting |
| Thermal overload protection | 100 °C | N/A |
| Required ceiling depth | >300mm | >260mm |
| Draft stopper built-in | Yes | Yes |
| Weight | 5.2kg | 4.5kg |
| Inclusions | Excel Life 4-gang switch engraved HEAT, HEAT, FAN, LIGHT 3m x Ø150mm duct, external grille, duct tape and cable ties | Excel 4-gang switch engraved HEAT, HEAT, FAN, LIGHT 3m x Ø100mm duct, external grille, duct tape and cable ties |
| Product codes | White Fascia 4 lamp | BH4DWE |
| | White Fascia 4 lamp | R622D2 |

INSTALLATION

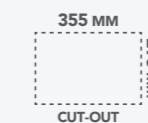
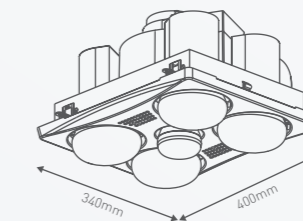


Multi storey application

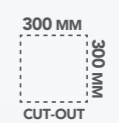
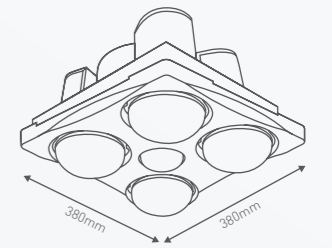


Standard roof application

BH4DWE



R622D2



POSITIONING OF INSTANT HEAT & TIPS

It is important to consider the wet areas of a room when you place an instant heater in a bathroom or ensuite. For safety reasons, there are a few rules to follow when installing an exhaust fan close to a shower:

1. It is necessary to respect zones of installations

Zone 0: This is the interior of the bathtub or shower basin

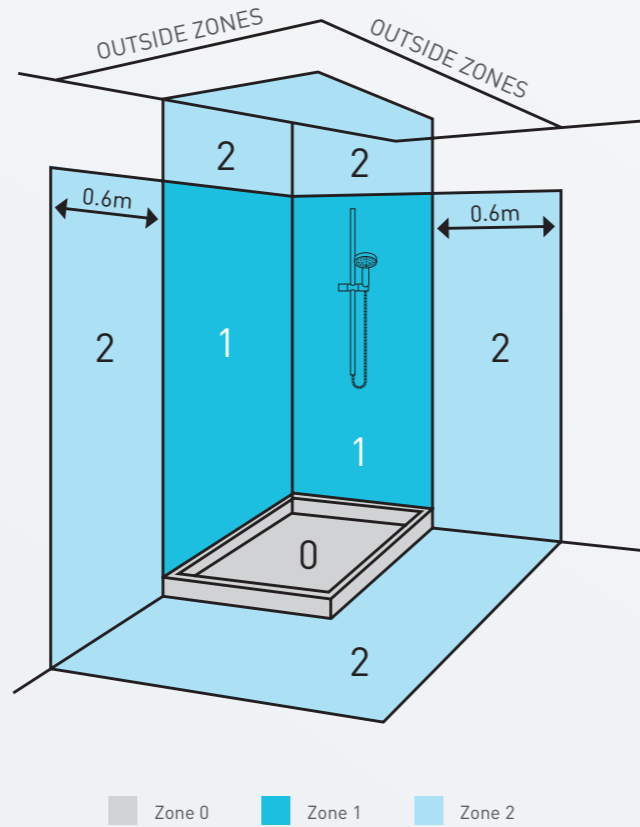
Zone 1: This extends above zone 0 and around the perimeter of the bath or shower basin to 2.25m for NZ and 2.5m for Australia above the floor level

Zone 2: This extends 600mm beyond Zone 1 and to a height of 2.25m for NZ and 2.5m for Australia above floor level

Where possible we recommended your fan is not installed directly above the shower/bath as condensation may occur causing dripping.

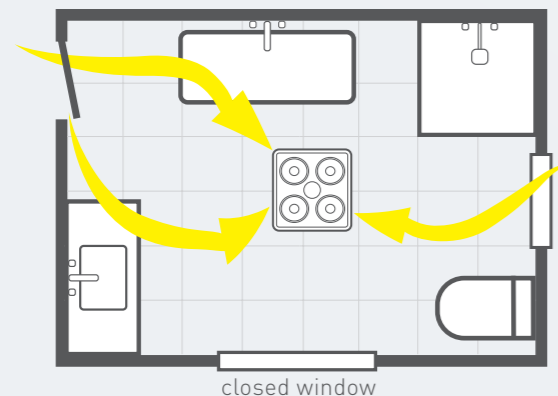
Note: Example shown is typical only. Consult AS/NZS 3000 for full definition of installation zones in wet areas.

2. You MUST have your exhaust fan vented /ducted horizontally to an eave AND must have an open window or 20mm off the base of a door to allow cross ventilation.



TIPS

- Choose the position where your heat lamp will be installed carefully.
- It is recommended to place the heater in the middle of the room for it not to be near the wet areas
- You should also position the heater directly to the place where you will be standing when you will need the heat after you have left your bath or shower
- Instant heat should be cleaned every 6 months or more often to prevent dust buildup



Heat lamps are not designed to heat entire rooms, but to provide instant and focused heat directly below. Position an Instant Heat directly over the drying area for optimal heat performance.

The exhaust fan in the Instant Heat requires a balanced air flow to perform at maximum efficiency. This means there needs to be air flowing into the room from sources such as windows, vents or under doors to allow a cross flow of air movement.

RANGE OVERVIEW

| CAT. NO | DESCRIPTION | FINISH COLOUR | DUCTED | MOTOR RATING | MAX POWER CONSUMPTION | HEAT LAMPS | EXHAUST FAN TYPE | MAX AIR FLOW |
|----------|--------------------------|--------------------|--------|--------------|-----------------------|------------|------------------|----------------------|
| BH1WE | Single Lamp Instant Heat | White | No | N/A | 375W | 1 x 275W | N/A | N/A |
| BH1MS | Single Lamp Instant Heat | Matt Silver | No | N/A | 375W | 1 x 275W | N/A | N/A |
| R615 | Single Lamp Instant Heat | White | No | N/A | 275W | 1 x 275W | N/A | N/A |
| BH2NDWE | 2-lamp non-ducted | White Fascia | No | 40W | 690W | 2 x 275W | Axial | 240m ³ /h |
| BH2NDMS | 2-lamp non-ducted | Matt Silver Fascia | No | 40W | 690W | 2 x 275W | Axial | 240m ³ /h |
| R622/1AC | 2-lamp non-ducted | White Fascia | No | 40W | 690W | 2 x 275W | N/A | 250m ³ /h |
| BH4NDWE | 4-lamp non-ducted | White Fascia | No | 40W | 1240W | 4 x 275W | Axial | 390m ³ /h |
| BH4NDMS | 4-lamp non-ducted | Matt Silver Fascia | No | 40W | 1240W | 4 x 275W | Axial | 390m ³ /h |
| R622/2AC | 4-lamp non-ducted | White Fascia | No | 40W | 1240W | 4 x 275W | N/A | 400m ³ /h |
| BH2DWE | 2-lamp ducted | White Fascia | Yes | 50W | 840W | 2 x 275W | Centrifugal | 180m ³ /h |
| BH2DMS | 2-lamp ducted | Matt Silver Fascia | Yes | 50W | 840W | 2 x 275W | Centrifugal | 180m ³ /h |
| BH4DWE | 4-lamp ducted | White Fascia | Yes | 50W | 1570W | 4 x 275W | Centrifugal | 180m ³ /h |
| BH4DMS | 4-lamp ducted | Matt Silver Fascia | Yes | 50W | 1570W | 4 x 275W | Centrifugal | 180m ³ /h |
| R622D2 | 4-lamp ducted | White Fascia | Yes | 30W | 1240W | 4 x 275W | Centrifugal | 240m ³ /h |