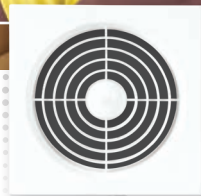




A brand of  legrand

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

FANLIGHT NON-DUCTED
Combined 200mm ceiling fan and light
R620LED, R620 page [28]

WALL/CEILING EXHAUST FANS 100MM
With or without time delay optional mounting kits for ducting through walls
EF100SQWE, EF100RDWE, EF100, RDWE page [14]

INSTANT HEAT – DUCTED
2 or 4 lamp ducted centrifugal exhaust fans and light
R622D2, BH4DWE page [42]

WALL/CEILING EXHAUST FANS 150MM
Heavy duty models with optional window mounting kits
EF150SQWE, EF150SQSWE, EF150RDWE, R621/BA page [16]

CEILING EXHAUST FANS NON-DUCTED
Low profile ceiling exhaust fans with round or square grille
EF200RDWE, EF200RDMS, EF200SQWE page [20]
EF250RDWE, EF250RDMS, EF250SQWE page [22]

IN-LINE EXHAUST FAN
Fan motor is mounted inside roofspace. This connects two locations so air conditioning can be shared
EFIL100SQWE, EFIL150SQWE page [26]

INSTANT HEAT
1, 2 or 4 lamp exhaust fan and light
BH1WE, BH2NDWE, BH4NDMS page [34]

CEILING FANS
3 or 4 blades with quick-fit wiring
White Aluminum, 430 Series, 304 Series, Rattan Series page [52]

CEILING EXHAUST FANS DUCTED
Ducted centrifugal fan
EFD01RDWE, EFD01RDMS, EFD01RSQWE page [24]

WALL EXHAUST FANS WITH AUTOSHUTTERS
Heavy duty models with optional window mounting kits
EFS150SQWE, EFS150SQSWE, R621/9A page [18]



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.

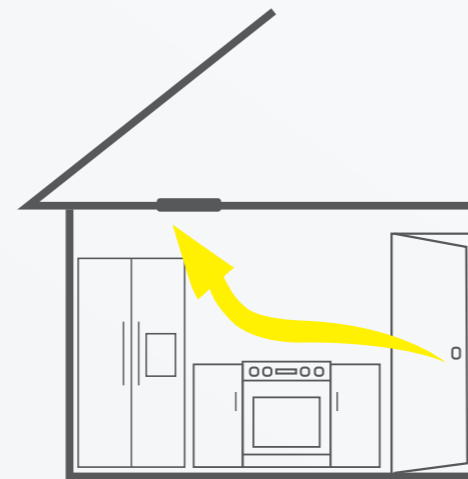
A balanced airflow is necessary for an exhaust fan to perform at its maximum efficiency. This means that there needs to be a cross flow of air through the room so that the air extracted from the room can be replaced with air drawn from a source such as window, under a door or from an air vent.

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.

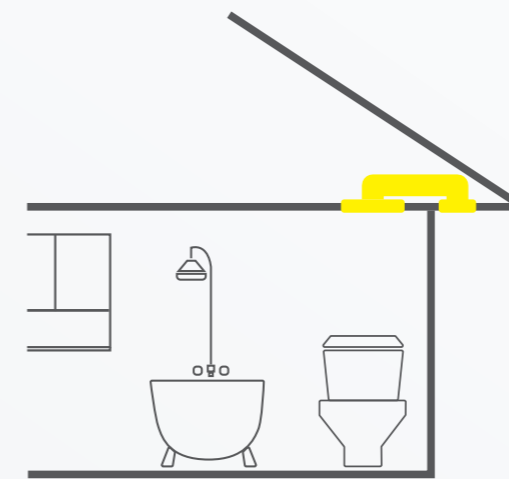


FAN INSTALLATION

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:

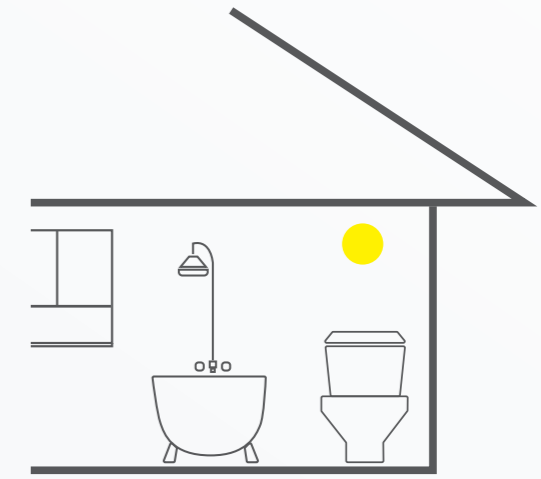


KITCHEN



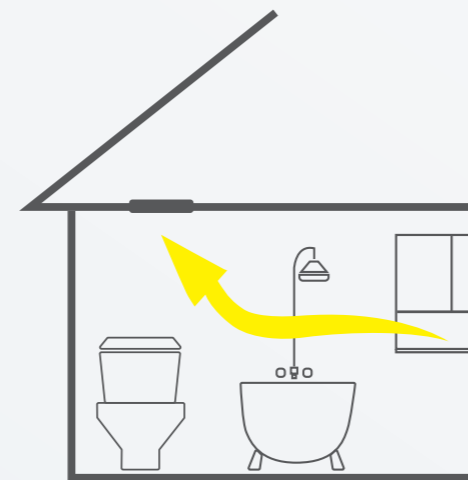
1. CEILING MOUNTED FAN

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

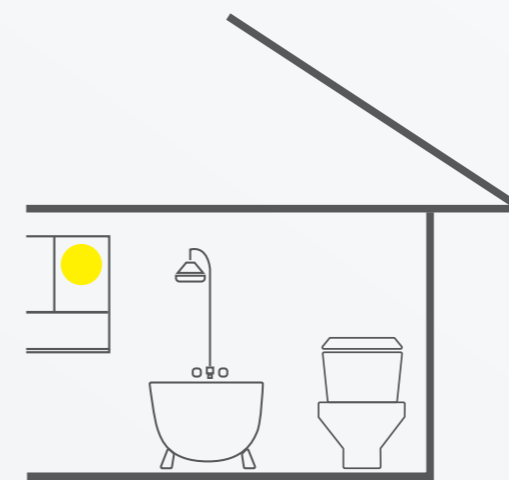


2. WALL MOUNTED FAN

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

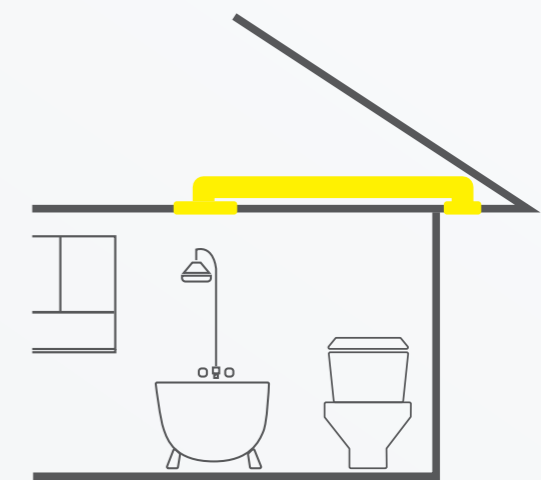


BATHROOM



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

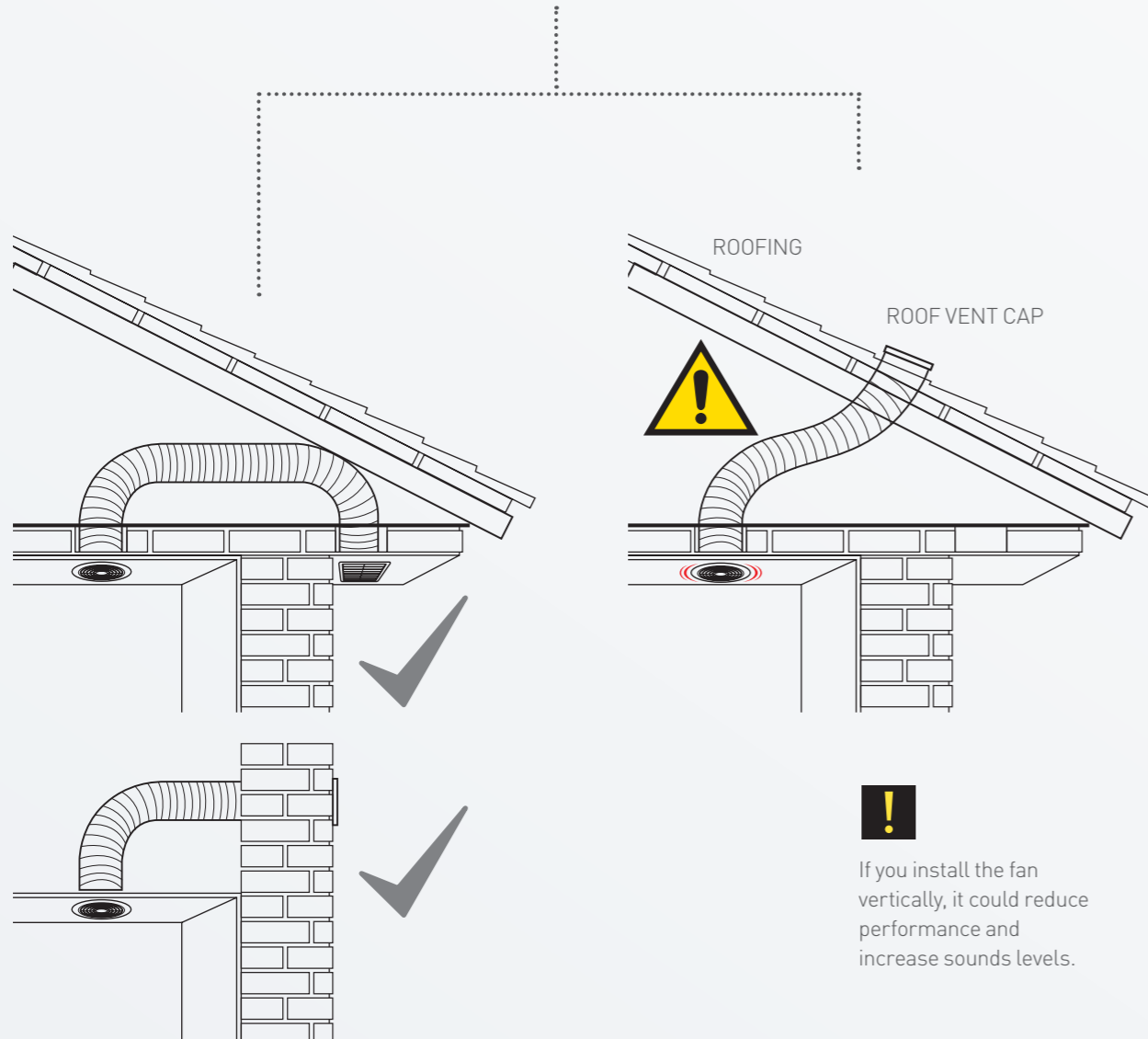
Most common bathroom installation, the fan is mounted in the ceiling space with the grille directly above the source of the steam.

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:

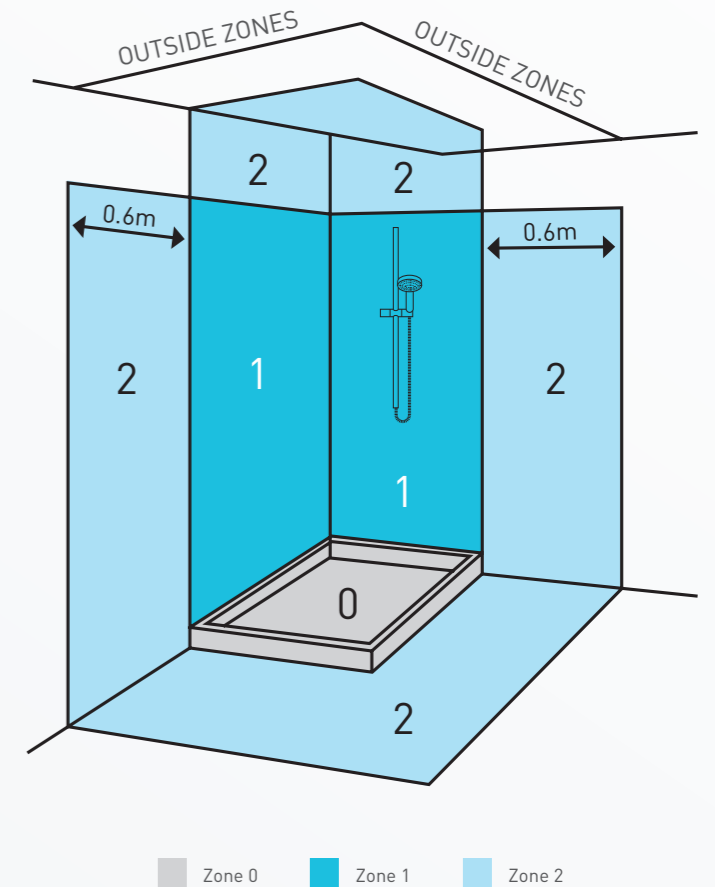
1. It is necessary to respect zones of installations

- 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



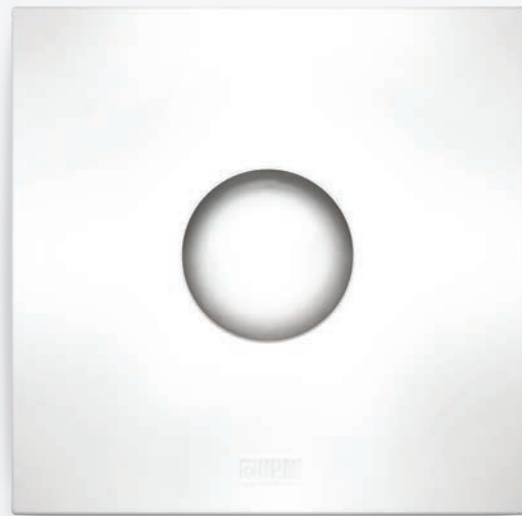
TIPS

- 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



EF100SQSWE



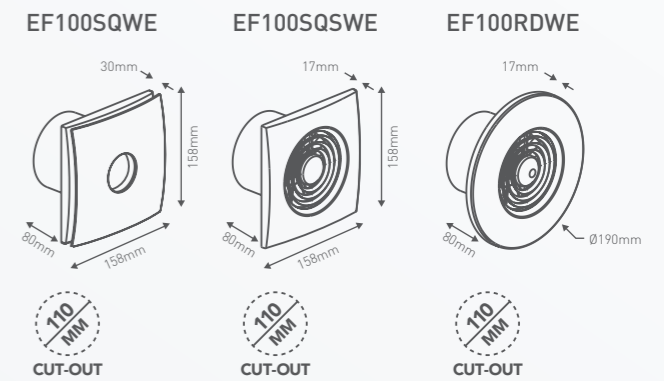
EF100RDWE

LONG LIFE MOTOR

MAX AIRFLOW 105m³/h

3 YEAR WARRANTY

	EF100SQWE	EF100SQSWE/ 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	94m ³ /h	105m ³ /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	EF100SQSWE
	White Fascia Slimline Round	EF100RDWE



WALL EXHAUST FAN NON-DUCTED

150MM SERIES

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



EF150SQWE

Main applications

Perfect for residential bathrooms



EF150SQSWE



EF150RDWE

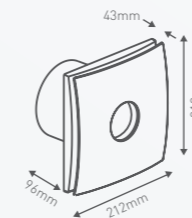


R621/8A

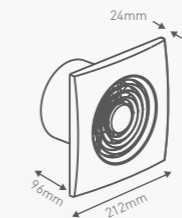


	EF150SQWE	EF150SQSWE/ EF150RDWE	R621/8A
Exhaust fan	150mm axial	150mm axial	150mm axial
Frequency	50Hz	50Hz	50Hz
Supply voltage	230 – 240V a.c	230 – 240V a.c	230 – 240V a.c
Motor rating	24W	24W	29W
Maximum airflow*	218m³/h	309m³/h	245m³/h
Draught stopper	Yes	Yes	No
Required wall cavity/ceiling depth	>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	EF150SQSWE	
	White Fascia Slimline Round	EF150RDWE	
	White Fascia Square	R621/8A	

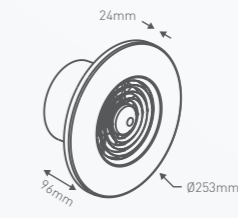
EF150SQWE



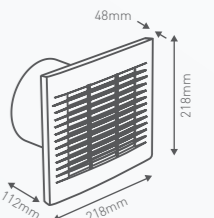
EF150SQSWE



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

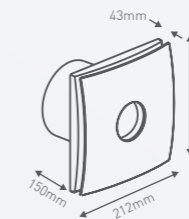


R621/9A

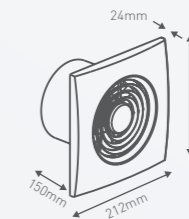


	EFS150SQWE	EFS150QSWE	R621/9A
Exhaust fan	150mm axial	150mm axial	150mm axial
Frequency	50Hz	50Hz	50Hz
Supply voltage	230 – 240V a.c	230 – 240V a.c	230 – 240V a.c
Motor rating	24W	24W	29W
Maximum airflow*	200m³/h	267m³/h	245m³/h
Draught stopper	Auto shutter	Auto shutter	Auto shutter
Required wall cavity/ceiling 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

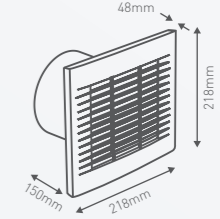
EFS150SQWE



EFS150QSWE



R621/9A

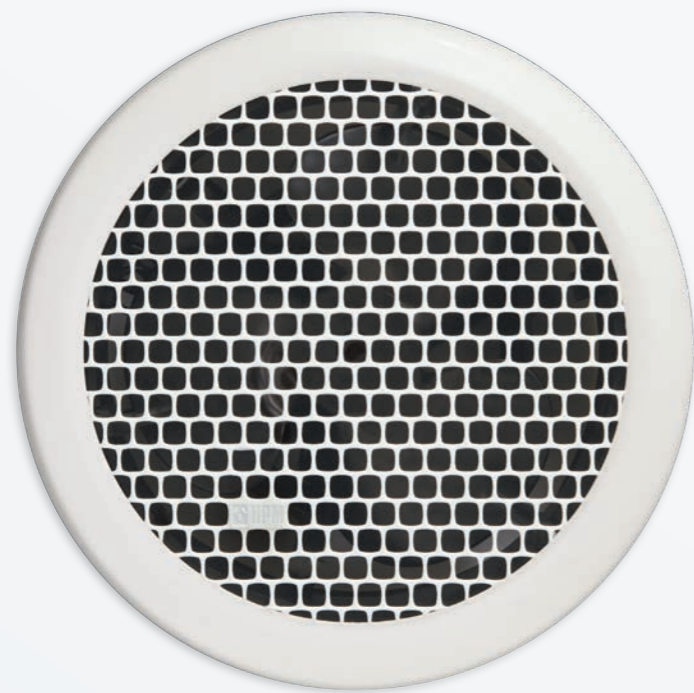


*Airflow dependent on installation conditions

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.

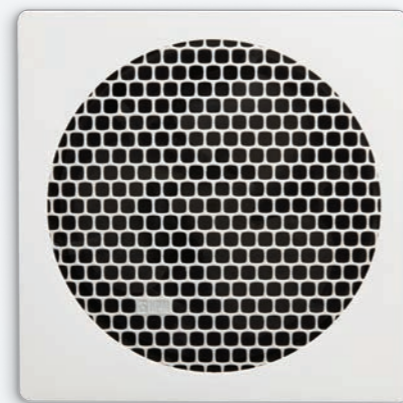


EF200RDWE

Main applications
Perfect for residential bathrooms



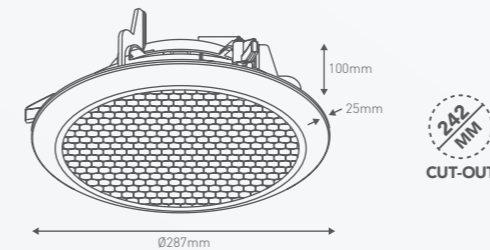
EF200RDMS



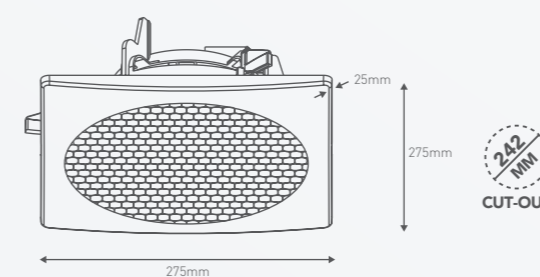
EF200SQWE

	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.

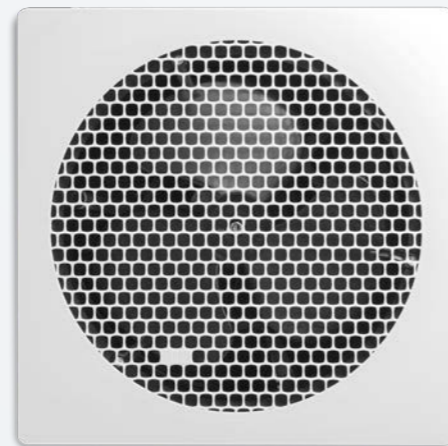


EF250RDWE

Main applications
Perfect for residential bathrooms



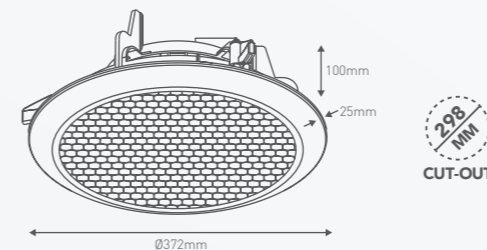
EF250RDMS



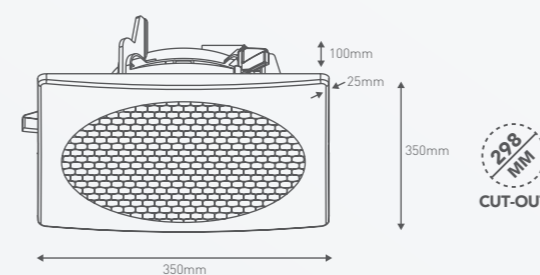
EF250SQWE

	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



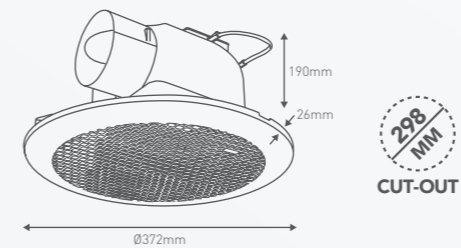
EFD01RDMS



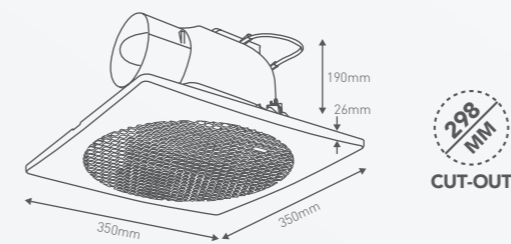
EFD01SQWE

	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

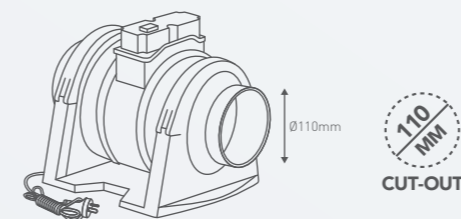
Ideal for transferring hot or cool air from air-conditioning, fireplaces, and oil heaters from room to another



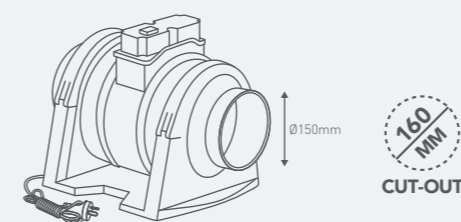
EFIL100SQWE/ EFIL150SQWE

	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	255m³/h	555m³/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

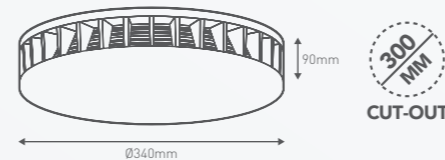
Energy-saving LED light



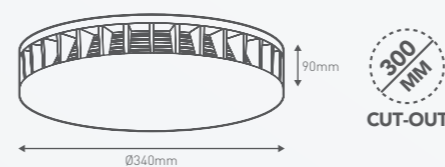
R620LED

	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

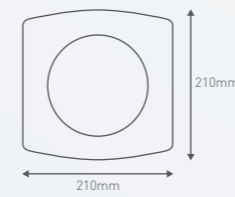
Perfect for small bathrooms, toilets or ensembles



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

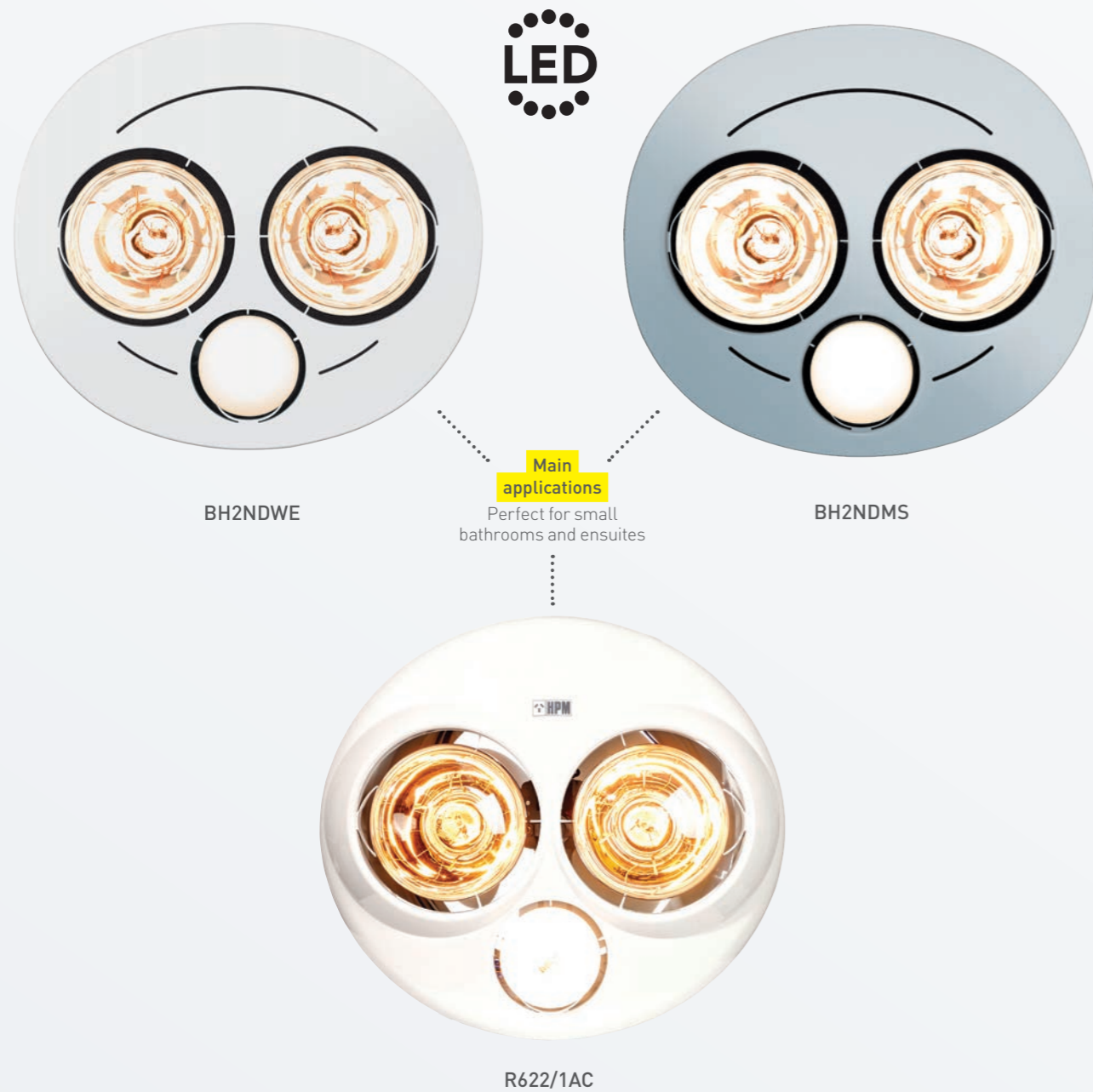
5 YEAR WARRANTY



INSTANT HEAT 3-IN-1 NON-DUCTED

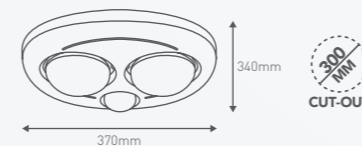
TWO LAMPS

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.

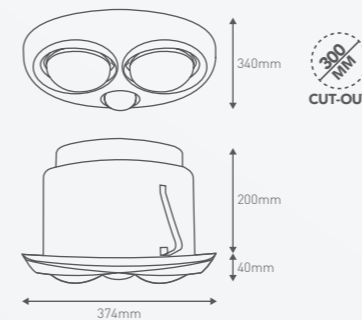


	BH2NDWE/ BH2NDMS	R622/1AC
Centre Light	7W LED R80 E27 600 lm	100W ES
Heat lamps	2 x 275W	2 x 275W
Exhaust fan	240mm axial	240mm axial
Max power consumption	690W	690W
Frequency	50Hz	50Hz
Supply voltage	230 – 240V a.c	230 – 240V a.c
Motor rating	40W	40W
Maximum airflow	240m ³ /h	240m ³ /h
Required ceiling 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.

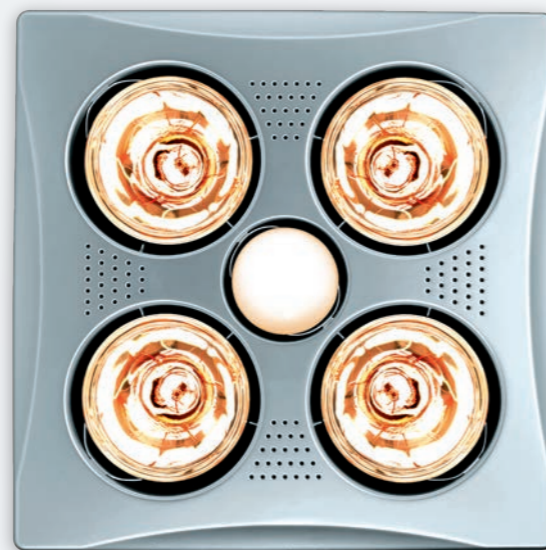
INSTANT POWERFUL HEATING
 4 x 275W HEAT LAMPS

UP TO **MAX AIRFLOW**
 400m³/h

5 YEAR WARRANTY



BH4NDWE



BH4NDMS

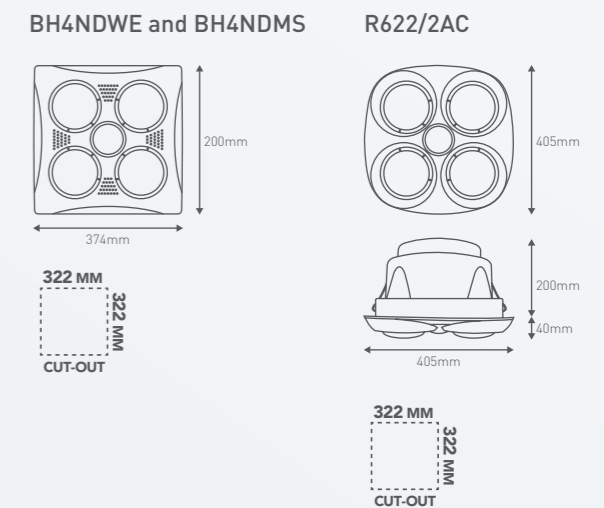


R622/2AC

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



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



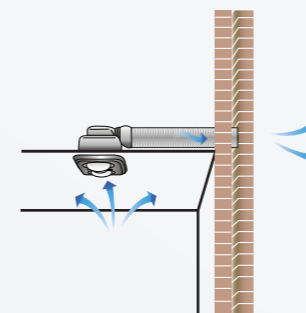
R622D1



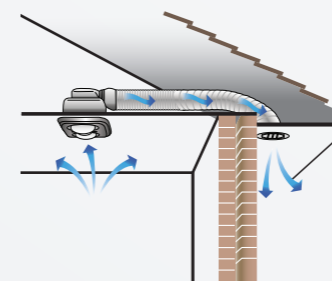
Main applications

Perfect for small bathrooms and ensuites

INSTALLATION



Multi storey application



Standard roof application

INSTANT POWERFUL HEATING
 2 x 275W HEAT LAMPS

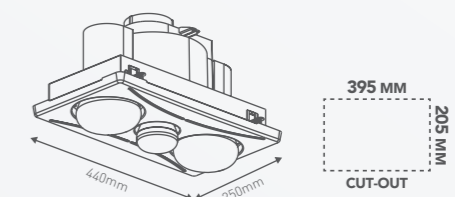
UP TO MAX AIRFLOW
 180m³/h

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

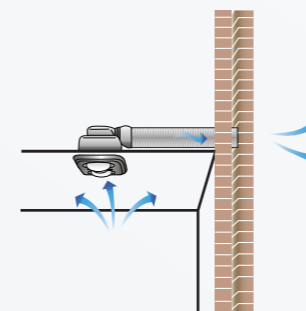
UP TO MAX AIRFLOW
240m³/h

DUCTING KIT INCLUDED

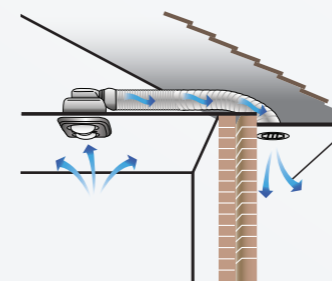
5 YEAR WARRANTY

	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

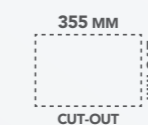
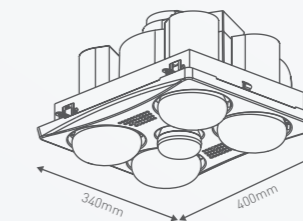


Multi storey application

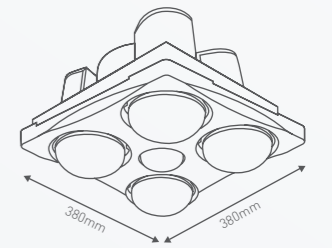


Standard roof application

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

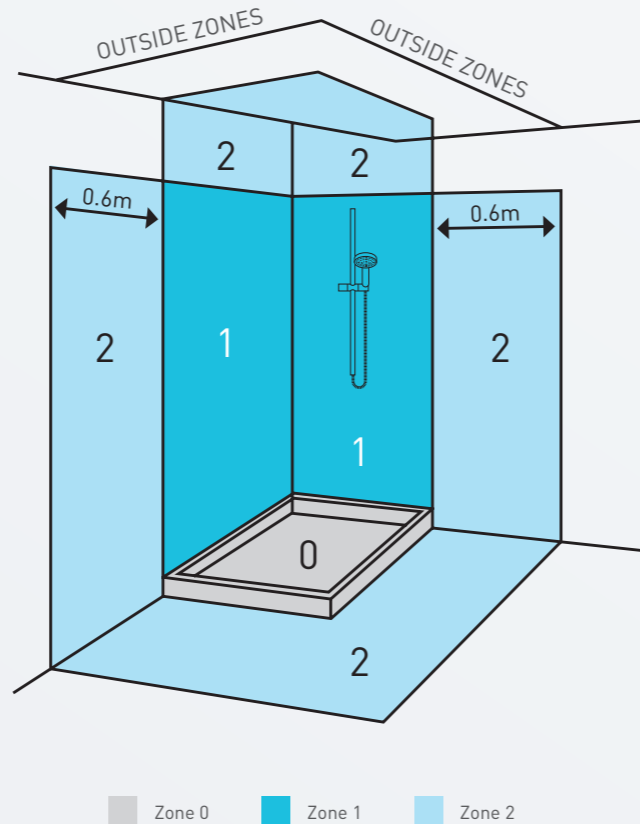
Zone 1: This extends above zone 0 and around the perimeter of the bath or shower basin to 2.25m for NZ and 2.5m for Australia above the floor level

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.

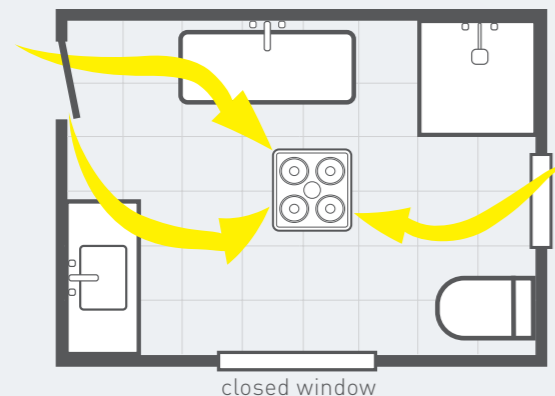
Note: Example shown is typical only. Consult AS/NZS 3000 for full definition of installation zones in wet areas.

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