

Home Ventilation

EVOAQ

Air Quality Innovation



Our Values



Improving Energy Efficiency using highly efficient products and superior system controls



Maintaining Indoor Air Quality through intelligent software designed specifically for NZ



On-Demand Ventilation by monitoring air quality and ventilating as required

Why Ventilation

A healthy home requires good ventilation to maintain high Indoor Air Quality.

Without ventilation, your home becomes a host for mould and mildew which thrive in humid conditions.

Plus long-term exposure to VOC's within your home can damage your health.

ENERGY

EFFICIENCY

EVOAQ



Our System

Using the latest technology and most energy-efficient products, we have created the most intelligent ventilation system to give you constant ventilation, while having minimal effect on the thermal comfort and noise levels in your home.

Our systems are designed to meet international requirements of ASHRAE 62.2.



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Positive Pressure Systems	AQ60	AQ220	AQ300
House Size	Up to 60m ²	Up to 220m ²	Up to 400m ²
Number of Rooms	1 - 2 Rooms	3 - 6 Rooms	6 - 9 Rooms
Voltage (V/Hz)	230/50	230/50	230/50
Power (W)	1 - 17	3 - 73	3 - 165
Air Flow (m ³ /hr)	63 ~ 284	65 ~ 650	63 ~ 1228
Static Pressure (Pa)	159	457	580
Noise (dB)	28	31	38
Speed (RPM)	500 - 3000	500 - 3000	500 - 3000
Weight (kg)	1.4	2.5	3.5
Specific Fan Power (W/Ls ⁻¹)	0.175	0.398	0.294



HIGH FLOW MIXED FLOW FAN
150MM



HIGH FLOW MIXED FLOW FAN
200MM



VENTILATION CONTROLLER
3-MODE ON-DEMAND ADJUSTMENT



HIGH VELOCITY CONE DIFFUSER
100MM / 125MM / 150MM



PM2.5 FILTER
NEW REGULATIONS COMPLIANT

Demand Controlled Ventilation

Our systems use DCV - the ventilation rate is automatically adjusted according to user demand and the quality of incoming air, using our built-in intelligent controller which constantly senses air quality to regulate the level of ventilation.

Our specialised software determines the correct fan speed based on established standards, to achieve high indoor air quality as well as maximum thermal comfort.

Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can achieve high airflows when the outdoor air quality is good.

Most importantly, they can also achieve very low airflows when the outside air may affect the thermal comfort inside your house.

This is how our systems are able to ventilate continuously, where most other systems would turn off.

Available Upgrades - Summer Feature - Heat Transfer - Premium Filter with 6 levels of Filtration



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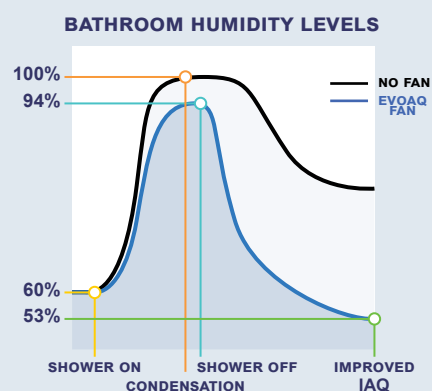


On-Demand Extraction by monitoring air quality and extracting as required

Why Constant Extraction

Extracting damp air at its source is the most effective way to maintain your Indoor Air Quality, and to prevent mould and mildew from growing.

Constantly extracting at very low levels even when your shower is off removes any remaining moisture while drawing in better quality air from around your bathroom.



Our System

Our extraction systems use custom-made, fully automatic fans with built-in sensor controls, to provide you with the best protection for you and your bathroom.

These fans constantly monitor the humidity levels and adjust the extraction rate as needed, to remove all excess moisture from your bathroom - without ever needing to flick a switch.



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Extraction Systems	VX125E	VX150E	VX150TW
Bathroom Size	Up to 9m ²	Above 9m ²	Up to 20m ²
Voltage (V/Hz)	230/50	230/50	230/50
Power (W)	1 - 17	3 - 73	3 - 16
Air Flow (m ³ /hr)	63 ~ 284	65 ~ 650	0 ~ 340
Static Pressure (Pa)	159	457	132
Noise (dB)	28	31	18
Speed (RPM)	250 - 2250	500 - 3000	500 - 2800
Weight (kg)	1.4	2.5	0.5
Specific Fan Power (W/Ls ⁻¹)	0.175	0.398	0.175



HIGH FLOW MIXED FLOW FAN
125MM



HIGH FLOW MIXED FLOW FAN
150MM



THRU-WALL FAN OPTION
150MM



HIGH VELOCITY CONE DIFFUSER
125MM / 150MM



LOUVRE GRILLE
125MM / 150MM



STAINLESS STEEL COWL
125MM / 150MM

Demand Controlled Ventilation

Our extraction systems use DCV - the extraction rate is automatically adjusted according to fluctuating humidity levels, using our built-in intelligent controller which constantly monitors the bathroom air to regulate the level of extraction.

Our specialised software determines the right fan speed in order to maintain low humidity and minimize moisture damage within your bathroom.

Continuous Extraction

By combining our DCV controls with highly energy-efficient EC fans, our systems can use high airflows when extraction is required the most.

Additionally, the system keeps running at very low levels even when the bathroom is not in use, to continue removing any excess moisture from the bathroom.

This is how our systems are able to extract continuously, where others would turn off.

Available Upgrades - Backdraft Shutter - ABS Egg Crate Grille - Stainless Steel Cowl

Heat Transfer

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Air Quality Innovation



Our Values



Improving Energy Efficiency using highly efficient products and superior system controls



Maintaining Indoor Air Quality through intelligent software designed specifically for NZ



On-Demand Heat Transfer by monitoring air temperature and transferring excess heat only

Why Heat Transfer

When your fireplace heats your lounge, a fast and efficient heat transfer system can use the excess heat to create a warm and comfy environment for the rest of your home.

An effective heat transfer system improves the indoor air quality, and can prevent health problems caused by cold and damp air.

ENERGY

EFFICIENCY

EVOAQ



Our System

By combining the latest in fan technology and automatic sensing controls, our systems ensure optimal transferring of heated air throughout your home while maintaining a comfortable temperature in your lounge.

Our high-pressure, 100% variable fan combines with smaller diffusers to create the best possible mixing of heated air into your rooms.



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Heat Transfer Systems	AQHTR-1	AQHTR-2/3	AQHTR-4/5
Number of Rooms	1 Room only	2 - 3 Rooms	4 - 5 Rooms
Voltage (V/Hz)	230/50	230/50	230/50
Power (W)	1 - 17	3 - 73	3 - 165
Air Flow (m ³ /hr)	63 ~ 284	65 ~ 650	63 ~ 1228
Static Pressure (Pa)	159	457	580
Noise (dB)	28	31	38
Speed (RPM)	250 - 2250	500 - 3000	500 - 3000
Weight (kg)	1.4	2.5	3.5
Specific Fan Power (W/Ls ⁻¹)	0.175	0.398	0.294



HIGH FLOW MIXED FLOW FAN
150MM



HIGH FLOW MIXED FLOW FAN
200MM



SYSTEM CONTROLLER
VENTILATION / HEAT TRANSFER



HIGH VELOCITY CONE DIFFUSER
125MM



LOW RESISTANCE DUCTING
HIGHEST INSULATION RATING

Demand Controlled Ventilation

Our systems use DCV - the heat transfer rate is automatically adjusted according to user demand and the room temperature, using our built-in intelligent controller which constantly senses air temperature to regulate the amount of heat transferred.

Our specialised software determines the optimal fan speed for heat transfer to make the best use of any excess heat and maintain maximum thermal comfort within your home.

Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can achieve high airflows when the heat source room is nice and warm.

Plus, they can continue to transfer heat at low airflows even after the room starts to cool down, to keep providing your other rooms with warmer air as long as possible.

We highly recommend combining our heat transfer systems with our ventilation system.

Heat Transfer Integration with EVOAQ Ventilation Systems Available



Our Values



Improving Energy Efficiency using highly efficient products and superior system controls



Maintaining Indoor Air Quality through intelligent software designed specifically for NZ



On-Demand Extraction by monitoring air quality and extracting as required

Why Kitchen Extraction

A healthy home requires good ventilation to maintain high Indoor Air Quality. But it is just as important to remove the bad air from your home. Extracting the stale air from its source prevents harmful substances from building up in the air around you.

This is important as long-term exposure to these VOC's within your home can damage your and your family's health.



Our System

Using the latest technology and the most energy-efficient products, we have created a fully automatic VOC extraction system to constantly detect and remove harmful VOCs from the areas in your home where it matters most - such as your kitchen.

Our VOC extraction fans can detect many common and harmful VOCs like formaldehyde, CO, and cigarette smoke.



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Kitchen Extraction Systems	VX150E-K
Kitchen Size*	Above 6m ²
Voltage (V/Hz)	230/50
Power (W)	3 - 73
Air Flow (m ³ /hr)	65 ~ 650
Static Pressure (Pa)	457
Noise (dB)	31
Speed (RPM)	500 - 3000
Weight (kg)	2.5
Specific Fan Power (SFP)	0.398 Watts per L/s

**Options for smaller kitchens and kitchenettes may be available on request*



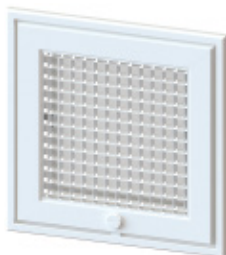
HIGH FLOW MIXED FLOW FAN
150MM



FIRE-RESISTANT DUAL-LAYER
ALUMINIUM DUCTING



EGG CRATE CEILING DIFFUSER
200MM



STEEL GRILLE WITH FILTER
OPTIONAL UPGRADE



STAINLESS STEEL COWL
150MM

Demand Controlled Ventilation

Our extraction systems use DCV - the extraction rate is automatically adjusted according to fluctuating VOC and humidity levels, using our built-in intelligent controller which constantly monitors the kitchen air quality to regulate the level of extraction.

Our specialised software determines the right fan speed in order to remove any VOCs and high humidity inside the kitchen to maintain the best possible air quality in and around your kitchen and home.

Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can use high airflows when extraction is required the most.

Additionally, the system keeps running at very low levels even when your kitchen is not in use, to continue to remove any lingering odours and moisture throughout the day.

This is how our systems are able to react continuously to provide optimal extraction.



Our Advantages



Higher Energy Savings through using highly efficient products and superior system controls



Improved Indoor Comfort will make tenants feel more satisfied and stay longer



Fully Automatic system operation - meaning no user interaction required

Landlord Ventilation

Our Landlord Solution system is a ventilation system designed specifically for rental properties, to keep the house ventilated at the optimal levels to maintain high Indoor Air Quality, making your property healthier and keeping your tenants happy.

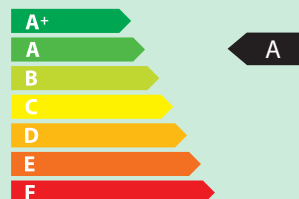
BRANZ research has shown that around 30-50% of rental homes are damp and mouldy. Every year, 40,000 children are admitted to hospital from diseases related to poor housing conditions.

Every New Zealander deserves a healthy home to live in.

ENERGY

EFFICIENCY

EVOAQ



Our Systems

Using the latest technology and most energy-efficient products, we have created the most advanced ventilation systems to give you constant 24/7 ventilation, while having minimal effect on the thermal comfort and noise levels in your home.

The only system designed to meet ERP Energy Performance levels and ASHRAE 62.2 Indoor Air Quality standards.

30% cheaper • 60% more efficient • 30% faster to install*

*compared with other similar systems



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Positive Pressure Systems	AQ220N	AQ300N
House Size	Up to 220m ²	Up to 400m ²
Number of Rooms	1 - 6 Rooms	6 - 9 Rooms
Voltage (V/Hz)	230/50	230/50
Power (W)	3 - 73	3 - 165
Air Flow (m ³ /hr)	65 ~ 650	63 ~ 1228
Static Pressure (Pa)	457	580
Noise (dB)	31	38
Speed (RPM)	500 - 3000	500 - 3000
Weight (kg)	2.5	3.5
Specific Fan Power (SFP)	0.398 Watts per L/s	0.294 Watts per L/s



HIGH FLOW EC FAN
150MM



HIGH FLOW EC FAN
200MM



VENTILATION CONTROLLER
3-MODE ADJUSTMENT (OPTIONAL)



HIGH VELOCITY CONE DIFFUSER
150MM



PM2.5 FILTER
NEW REGULATIONS COMPLIANT

Demand Controlled Ventilation

Our systems use DCV - the ventilation rate is automatically adjusted according to user demand and the quality of incoming air, using our built-in intelligent controller which constantly senses air quality to regulate the level of ventilation.

Our specialised software determines the correct fan speed based on established standards, to achieve high indoor air quality as well as maximum thermal comfort.

Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can achieve high airflows when the outdoor air quality is good.

Most importantly, they can also achieve very low airflows when the outside air may affect the thermal comfort inside your house.

This is how our systems are able to ventilate continuously, where most other systems would turn off.

Available Upgrades - Summer Feature - Heat Transfer - Premium Filter with 6 levels of Filtration



Our Advantages



Higher Energy Savings through using highly efficient products and superior system controls



Improved Indoor Comfort will make tenants feel more satisfied and stay longer

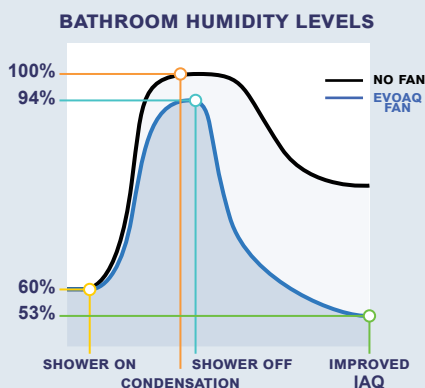


Fully Automatic system operation - meaning no user interaction required

Landlord Extraction

Our Landlord Extraction system has been specifically designed to automatically extract damp air from your tenants bathroom, to maintain high Indoor Air Quality and prevent mould and mildew from growing.

On-Demand Extraction is the best way to protect the house from condensation and mould damage, keeping the bathroom fresh and tenants happy.



Our System

Our extraction systems use custom-made, fully automatic fans with built-in sensor controls, to provide you with the best protection for you and your bathroom. These fans constantly monitor the humidity levels and adjust the extraction rate as needed, to remove all excess moisture from your bathroom - without ever needing to flick a switch.

All EVOAQ Extraction Systems comply with the new 2019 Healthy Homes Standards



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Extraction Systems	VX125E	VX150E (upgrade)
Bathroom Size	Up to 9m ²	Above 9m ²
Voltage (V/Hz)	230/50	230/50
Power (W)	1 - 17	3 - 73
Air Flow (m ³ /hr)	63 ~ 284	65 ~ 650
Static Pressure (Pa)	159	457
Noise (dB)	28	31
Speed (RPM)	250 - 2250	500 - 3000
Weight (kg)	1.4	2.5
Specific Fan Power (SFP)	0.175 Watts per L/s	0.398 Watts per L/s



HIGH VELOCITY
CONE DIFFUSER



HIGH FLOW EC MIXED FLOW FAN



LOUVRE GRILLE



ALUMINIUM
NUDE DUCTING

Demand Controlled Ventilation

Our extraction systems use DCV - the extraction rate is automatically adjusted according to fluctuating humidity levels, using our built-in intelligent controller which constantly monitors the bathroom air to regulate the level of extraction.

Our specialised software determines the right fan speed in order to maintain low humidity and minimize moisture damage within your bathroom.

Continuous Extraction

By combining our DCV controls with highly energy-efficient EC fans, our systems can use high airflows when extraction is required the most.

Additionally, the system keeps running at very low levels even when the bathroom is not in use, to continue removing any excess moisture from the bathroom.

This is how our systems are able to extract continuously, where others would turn off.

Available Upgrades - Backdraft Shutter - ABS Egg Crate Grille - Stainless Steel Cowl

Heat Pump Injection

EVOAQ

Air Quality Innovation



Our Values



Improving Energy Efficiency using highly efficient products and superior system controls



Maintaining Indoor Air Quality through intelligent software designed specifically for NZ



On-Demand Ventilation by monitoring air quality and ventilating as required

Ventilation with Heat Pumps

Heat pumps are great to heat your home, but without ventilation your indoor air can get stale and damp.

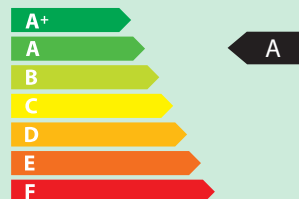
When heating damp air, heat pumps waste energy and become a source of bacteria and pathogens which then get circulated throughout the house. No fresh air is added, and the stale air stays inside your home.

Adding fresh, dry air to your home with ventilation makes your heat pump more efficient and your home drier and healthier.

ENERGY

EFFICIENCY

EVOAQ



Our System

Our heat pump injection ventilation system is the first of its kind, and is specially designed to be integrated with your ducted heat pump system - continuously adding fresh, filtered air to your home without affecting the heating or cooling from your heat pump.

The system uses the same ducting as your heat pump, so you only need one set of diffusers in your rooms.

And using only the best and most energy-efficient products means keeping your power bill low and your air quality high!



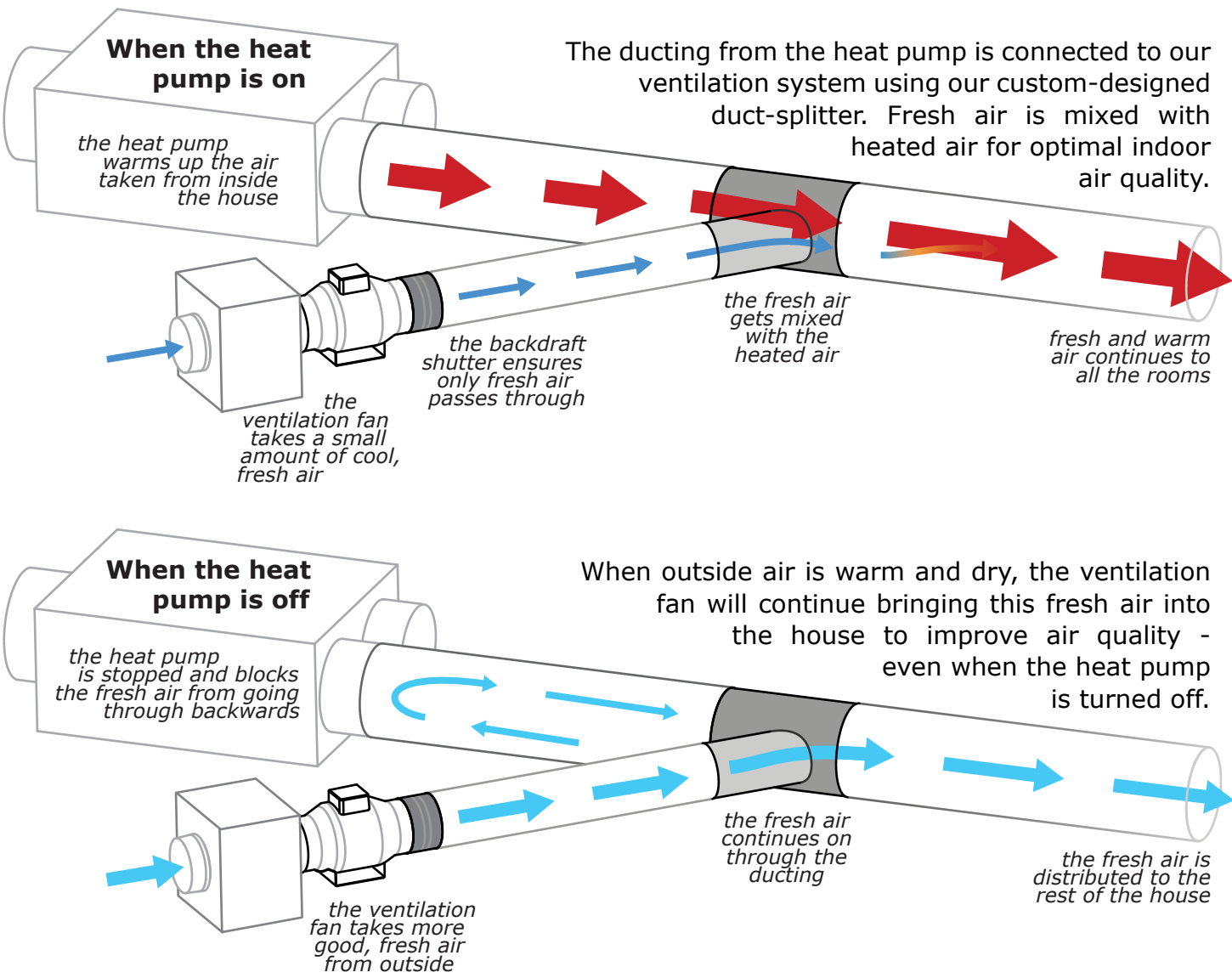
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How Heat Pump Injection Ventilation Works



Heat Pump Injection Systems	AQ220HP	AQ300HP
Number of Rooms	3 - 6 Rooms	6 - 9 Rooms
Voltage (V/Hz)	230/50	230/50
Fan Power (W)	3 - 73	3 - 165
Air Flow (m ³ /hr)	65 ~ 650	63 ~ 1228
Static Pressure (Pa)	457	580
Noise (dB)	31	38
Fan Speed (RPM)	500 - 3000	500 - 3000
Fan Weight (kg)	2.5	3.5
Specific Fan Power (W/Ls ⁻¹)	0.398	0.294

Available Upgrades - Colour Controller - Premium Filter with 6 levels of Filtration



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On-Demand Ventilation by monitoring air quality and ventilating as required

Why Ventilation

A healthy home requires good ventilation to maintain high Indoor Air Quality. Without ventilation, your home becomes a host for mould and mildew which thrive in humid conditions.

Plus long-term exposure to VOC's within your home can damage your health.

ENERGY

EFFICIENCY

EVOAQ



Our System

Using the latest technology and most energy-efficient products, we have created the most intelligent ventilation system to give you constant ventilation, while having minimal effect on the thermal comfort and noise levels in your home.

Our systems are designed to meet international requirements of ASHRAE 62.2.



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Positive Pressure for Apartments	AQ60-3	AQ60-4
House Size	Up to 60m ²	Up to 80m ²
Number of Rooms	1 - 2 Rooms	3 - 5 Rooms
Voltage (V/Hz)	230/50	230/50
Power (W)	3 - 17	5 - 33
Air Flow (m ³ /hr)	63 ~ 180	85 ~ 290
Static Pressure (Pa)	140	140
Fan Noise (dB)	24	30
Fan Speed (RPM)	500 - 4000	500 - 4000
Weight (kg)	6.5	7.0
Specific Fan Power (W/Ls ⁻¹)	0.175	0.175



WALL CONTROLLER



100MM CONE DIFFUSER



PM2.5 FILTER



LOUVRE GRILLE

Demand Controlled Ventilation

Our systems use DCV - the ventilation rate is automatically adjusted according to user demand and the quality of incoming air, using our built-in intelligent controller which constantly senses air quality to regulate the level of ventilation.

Our specialised software determines the correct fan speed based on established standards, to achieve high indoor air quality as well as maximum thermal comfort.

