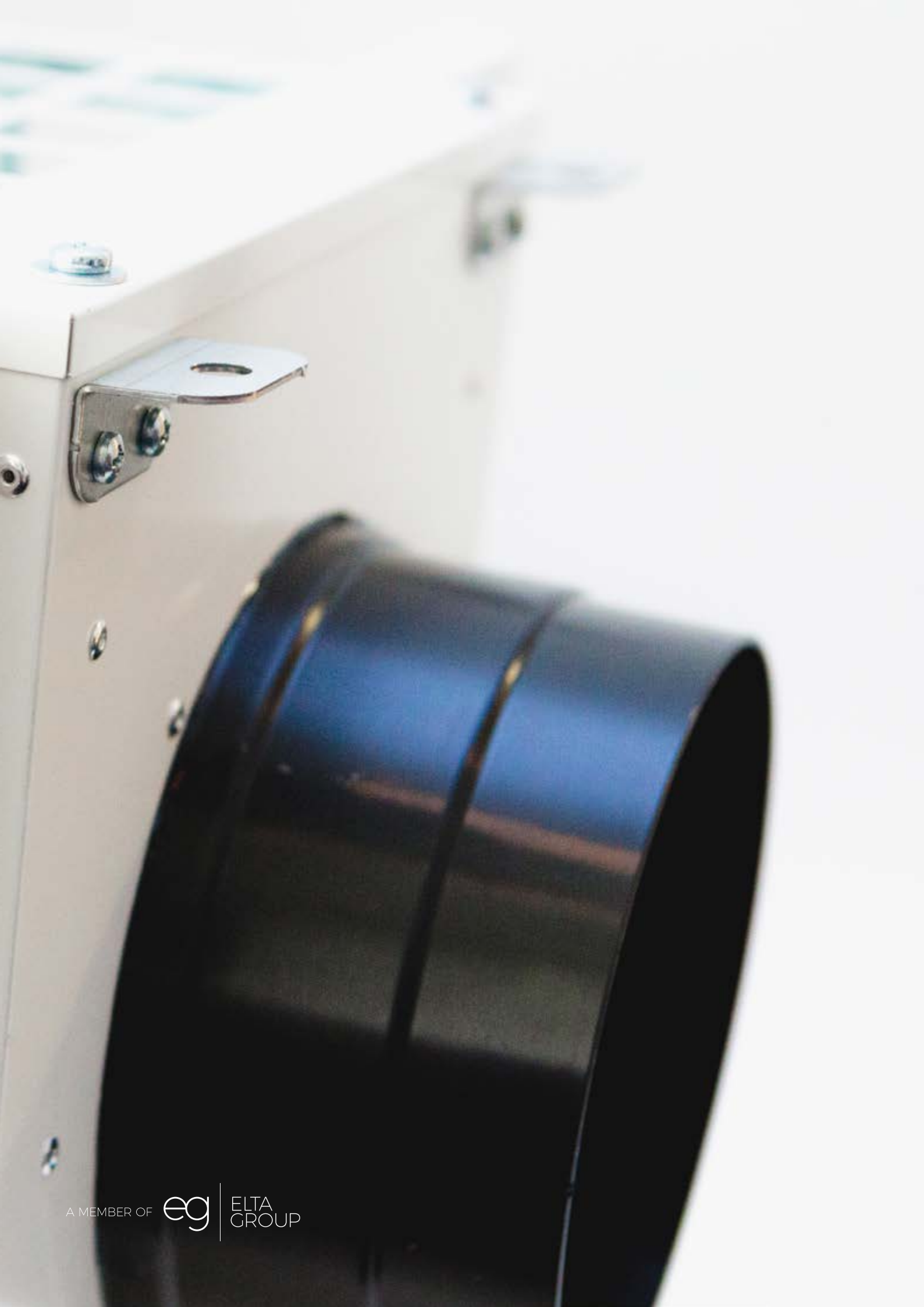




HOME
VENTILATION
SOLUTIONS



PART OF ELTA GROUP, ELTA GROUP BUILDING SERVICES IS DEDICATED TO SERVING THE UK MARKET WITH BOTH MANUFACTURING EXCELLENCE AND IN-DEPTH TECHNICAL EXPERTISE IN ORDER TO PROVIDE COMPLETE AIR MOVEMENT SOLUTIONS.

For the benefit of buildings and the people within them, we ensure improved Indoor Air Quality through our exceptional, innovative product range and, as such, all of our products are compliant with the latest regulations and use advanced technologies to deliver energy-efficient air movement.

Through our nationwide technical sales staff and our dedicated customer service and distribution centre in the Midlands, we provide our customers with a central source of high-quality products from a number of market leading, UK-based ventilation and air handling companies.

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WE UNDERSTAND THE PROBLEMS

Millions of homes in the UK experience problems with condensation related damp due to the lack of appropriate ventilation. As we strive to make our homes more energy efficient through home improvement measures such as cavity wall insulation, double glazing and draught proofing, millions more are put at a high risk of developing the same issues.

We also understand the challenges faced by those responsible for providing solutions to condensation and damp problems, such as private and social housing landlords and property care specialists.

There are many considerations that have to be made when selecting ventilation in order to protect the fabric of the building, the Indoor Air Quality and the well-being of the occupants, including: the method of construction, how the home is heated, existing ventilation measures and the occupants' lifestyles.



- ^ Deterioration can occur as a result of condensation on window frames, sills, door frames and skirting boards.
- ∨ Interstitial mould growth in contaminated carpets, soft furnishings and insulation materials can be a health hazard due to this raised moisture content.



- ∨ Mould spores can grow in just four hours as a result of excess condensation in poorly ventilated rooms. They are easily inhaled and can aggravate eczema and respiratory conditions such as asthma.



- ^ Long-term exposure to condensation and the salts contained within moisture can weaken masonry, including decorative stonework and internal plaster finishes.

Unseen condensation can occur under suspended floors, greatly increasing the risk of fungal decay and rot in floor timbers.



- ^ The build-up of excess moisture on walls and under suspended ceilings poses a dangerous risk to the home's electrical systems, including sockets and light fittings.
- ∨ Mould can cause extensive damage to wallpaper, paint and other decorative surfaces.



WE HAVE THE VENTILATION SOLUTIONS

Improving insulation or increasing the heating in a home, which can be difficult or cost prohibitive, are not the only solution to eliminating condensation and mould. Often, the only intervention measure needed to effectively combat these problems is a properly designed, installed, commissioned and operated ventilation system that has been tailored to suit the home and its occupants.



To optimise efficiency, any ventilation unit or system placed into an existing home must be properly commissioned to prevent under or over-ventilation. As a legal requirement, Building Control may also need to be notified about the installation of any ventilation unit or system, even if it's only a single extract fan.

There are hundreds of pages of region-specific regulation, compliance guides and guidance documents related to residential ventilation. Our team of residential experts have a detailed understanding of all the relevant documents and are happy to provide advice and support.

Modern building regulations provide basic, minimum parameters for the provision of ventilation within new buildings, with assumptions based on occupancy levels, lifestyle, insulation levels and more. This is problematic for homes built prior to these current regulations as they rarely fit this typical model. To correct this, our residential experts work to resolve the issues presented by an existing property to provide the levels of ventilation that it truly requires. Through our portfolio of industry-leading products, we also ensure that this ventilation is delivered in the most energy-efficient manner possible.





OUR BRAND

Elta Fans Residential encompasses a comprehensive, flexible range of system solutions for residential applications including new build and refurbishment projects in private and social housing sectors.

Our products include **intermittent extract fans for bathrooms, kitchens and utility rooms** as well as a comprehensive range of **whole house ventilation systems**, covering MVHR, MEV, PIV, dMEV and a market leading alternate flow with heat retention fan range.

Designed with aesthetics and optimum performance in mind, the residential range of products is core to Elta Group Building Services' commitment to **improving Indoor Air Quality** for the benefit of occupants and the fabric of buildings.



OUR PRODUCTS

Driving the intensive design and development programmes of our residential products, the provision of excellent Indoor Air Quality is core to all of the brands within Elta Group Building Services.

From initial concept, material selection and manufacturing systems, all the way through to our testing processes, our teams vigorously adhere to our pursuit of performance and reliability at all stages of product development.

All of our products undergo performance, electrical, climatic chamber and whole-life testing procedures. The Elta Fans range of MVHR and MEV units are also tested at the Building Research Establishment (BRE). The five year warranty provided on our residential ventilation range of products reflects our world class approach to product design and development.



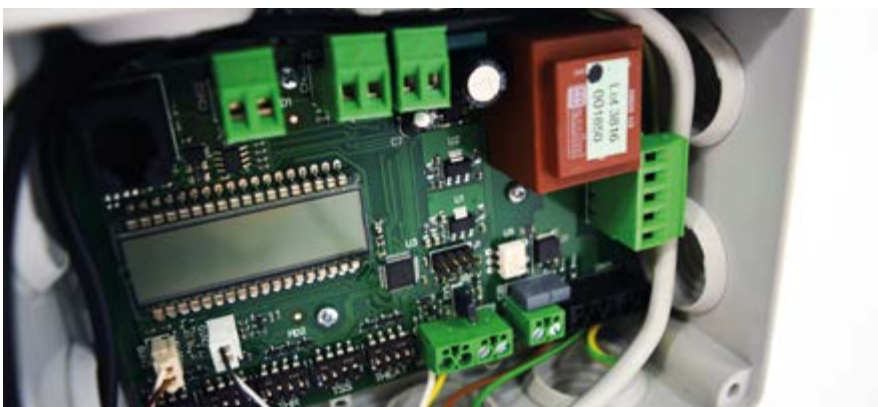
POSITIVE INPUT VENTILATION (PIV) UNITS

Elta Fans' industry leading, SANO Intelligent PIV range of quiet, loft-mounted whole house ventilation units utilise the positive input ventilation principle to control moisture and pollution within the home.

Through the use of integrated controls and sensors, the SANO Intelligent PIV models adjust to climatic conditions to optimise both the energy benefits and the comfort of occupants. As a result, considerable savings on heating costs can be achieved.

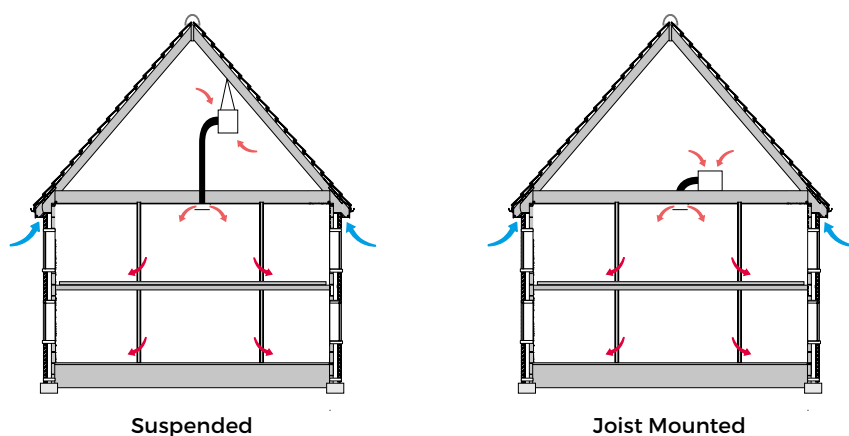
The SANO Intelligent PIV heater model tempers the incoming air before introducing it to the home, which can be beneficial during very cold weather.

The intelligent PIV units feature a run monitor that can provide information on interruptions to the electrical power supply to the unit.



FEATURES & BENEFITS

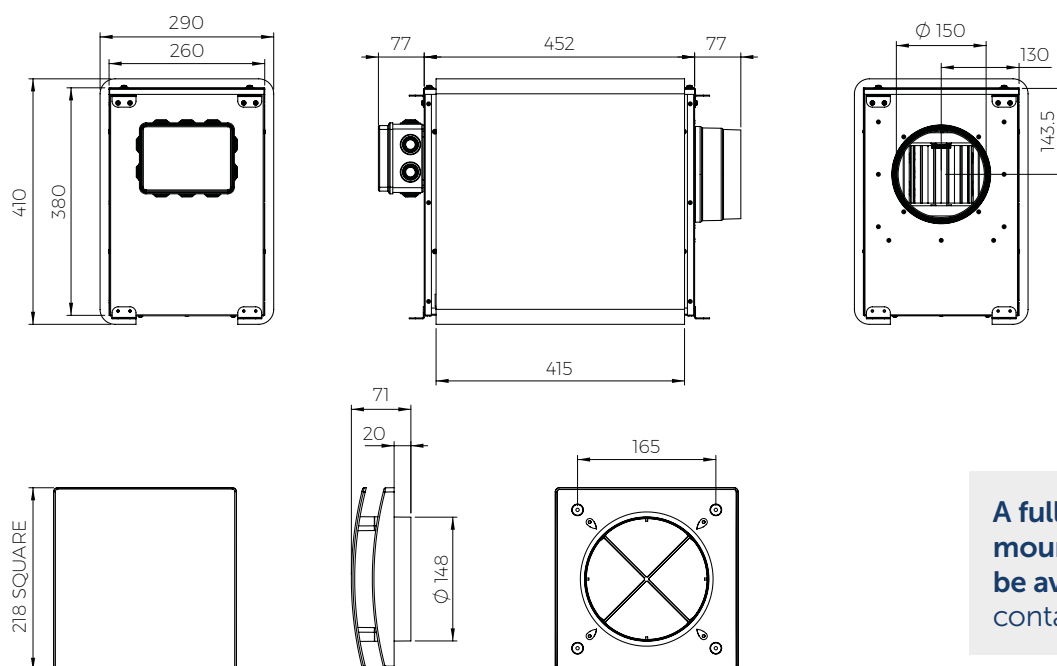
- **ECO-LoFlo** technology
- Intelligent, automated management of ventilation levels
- Flexible positioning for suspension or joist mounting in the loft
- Fully adjustable standby mode to prevent unwanted warm air from entering the home on hot days
- Heater model tempers the incoming air to increase occupant comfort
- Discreet air supply diffuser for ceiling mounting
- Eight settings to suit size, layout, thermal properties and moisture levels of the home
- Up to ten years maintenance free
- Five year warranty as standard*



Elta Fans' range of SANO Intelligent PIV units, with their unique **ECO-LoFlo** energy and comfort optimisation airflow control technology, represents a "step change" in PIV technology.

DIMENSIONAL DATA

Dimensions in mm



A full range of wall mounted PIV units will be available soon. Please contact us for more details.

*First year of warranty covers parts and labour. Following this period the warranty covers replacement parts only. Warranty is subject to inspection and maintenance having been carried out in accordance with our literature and terms and conditions of sale. Proof of purchase, periodic inspection and maintenance will be required in the event of any warranty claim.

DECENTRALISED MECHANICAL EXTRACT VENTILATION (dMEV) FANS

Unlike conventional intermittent extract fans, Elta Fans' MORI dMEV range are continuously running units that reduce and often negate the need for Trickle/Background vents by ensuring the continual removal of stale and damp air from the home.

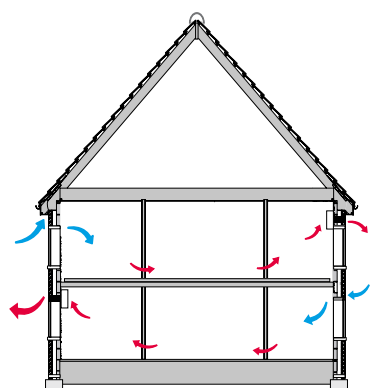
With a wide range of duties achievable from a single unit, our MORI dMEVs can be used in multiple rooms, including kitchens, bathrooms, toilets and utility rooms, to achieve aesthetic consistency throughout your home.

The range includes three models, including units with conventional flow, constant flow, pull cord, integral humidistat and Boost run on timer.

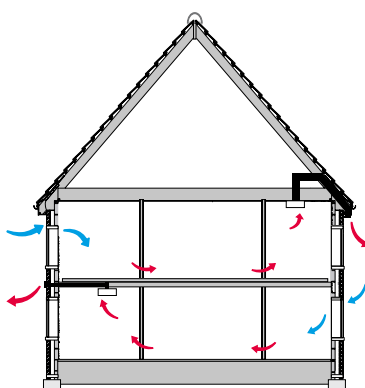


FEATURES & BENEFITS

- Low power consumption with annual running costs as low as £1
- Extremely low noise levels
- Filterless design with minimal cleaning requirements
- Up to four Trickle speed settings for greater flexibility in application and installation
- Boost flow rate when increased ventilation is required
- Humidity control comfort boost options
- Fits in the same space as conventional intermittent extract fans for easy installation
- MORI dMEV unit independently tested by BRE
- Five year warranty as standard*



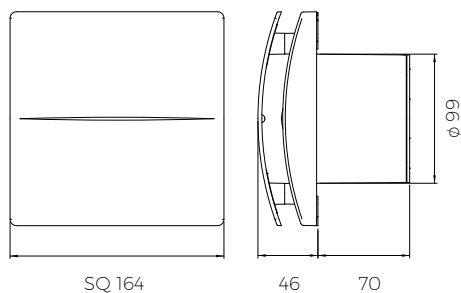
Wall Mounted



Celing Mounted

DIMENSIONAL DATA

Dimensions in mm



A full range of ancillaries and ducting are available for this product. Please contact us for more details.

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ALTERNATE FLOW FANS WITH HEAT RETENTION

The Elta Fans MORI HR is the ideal solution for the removal of CO₂, moisture and pollutants in habitable rooms. The unit alternates between supply and extraction in order to improve Indoor Air Quality and occupant health whilst preventing condensation and mould.

The unit's high-efficiency heat exchanger retains and transfers heat from the extracted air to temper the incoming air. To increase the ventilation effectiveness, multiple units can be set to work in parallel. This greatly improves the airflow within rooms by having one extract while the other supplies.

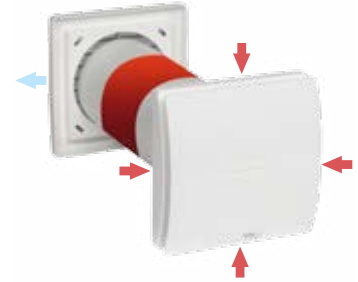
An optional user controller is available, allowing the simplified synchronisation and control of multiple units from a single panel.



FEATURES & BENEFITS

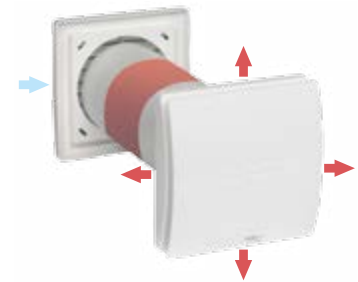
- Low power consumption with annual running costs as low as £2
- Nonintrusive, quiet operation
- Two models available, each with three airflow settings to choose from
- Recovers up to 90% of the heat that would otherwise be lost
- Optional user controller
- Free cooling setting to prevent heat exchange when not required
- Five year warranty as standard*

Heat retention

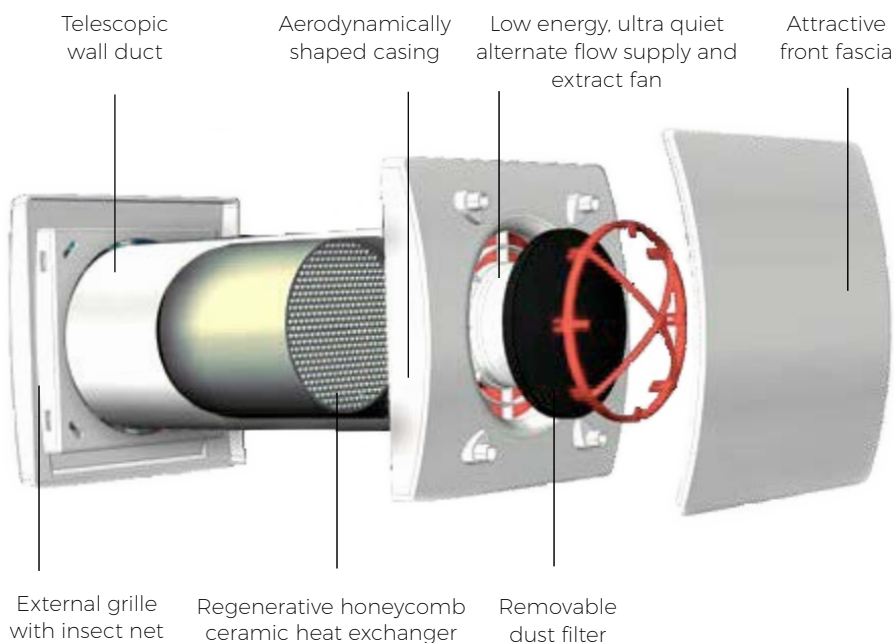


Unit on extraction and heat retention mode

Heat transfer

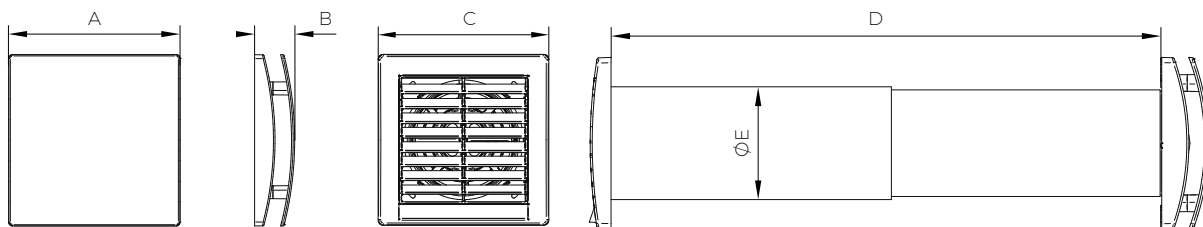


Unit on supply and heat transfer mode



DIMENSIONAL DATA

Dimensions in mm



INTERNAL FASCIA

EXTERNAL GRILLE

Model	A	B	C	D	E
MORI HR 100	164	46	164	270-510	108
MORI HR 150	218	51	218	300-560	158

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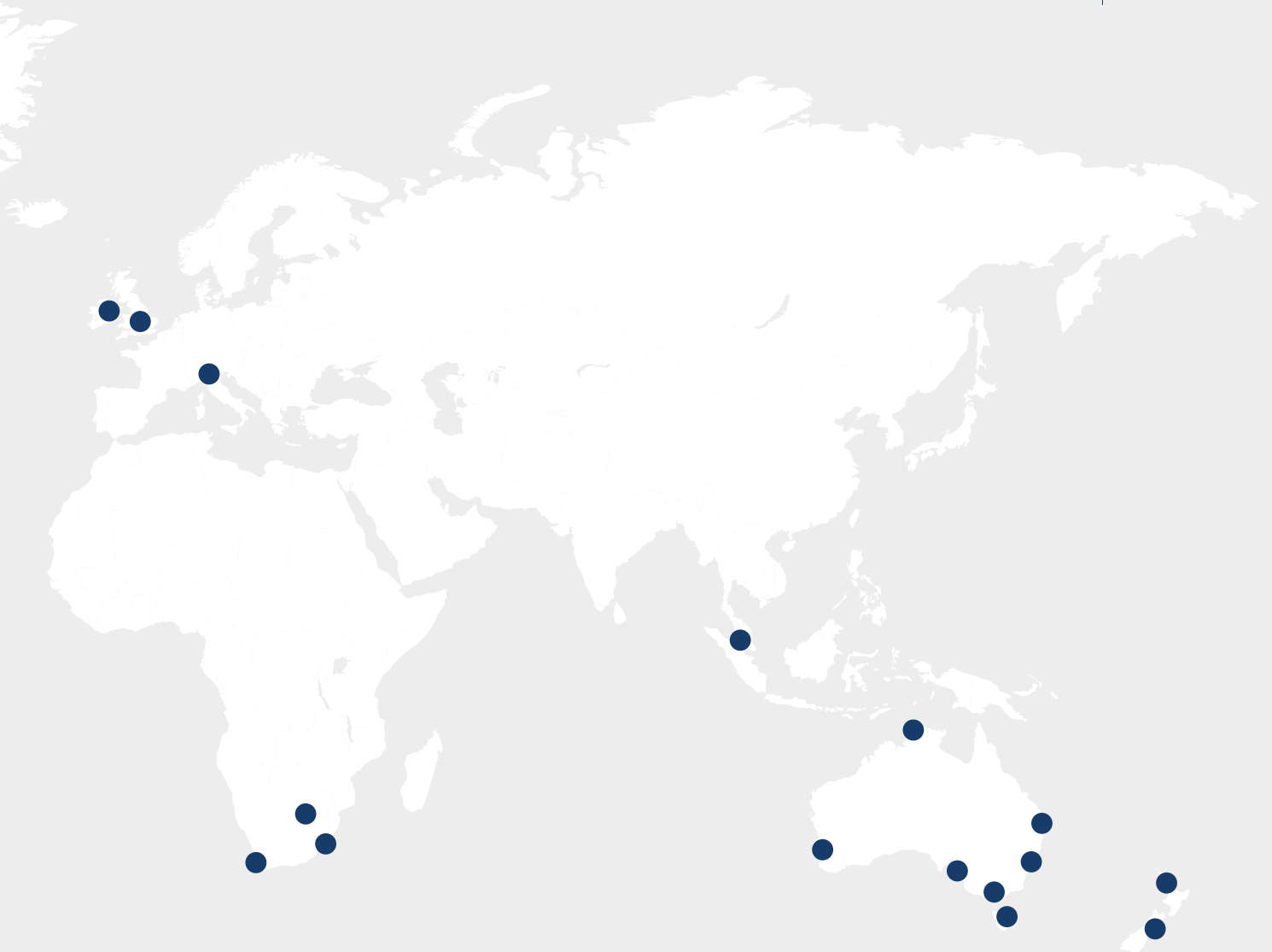


PART OF ELTA GROUP

Across all of our people, in all of our businesses, on all continents on which we operate, Elta Group has one purpose: to enhance life through air.

For 20 years we have been a proudly independent, family-owned group, but our foundations were laid over 45 years ago. Our foundations were built on an entrepreneurial spirit and a clear vision of meeting market needs and improving air quality. These have seen us become a leader in high-integrity solutions that move, filter, treat and distribute air, from agriculture to building services to applied technology. We're never standing still, always living and breathing our cause, and looking to the horizon.

eltagroup.com



Europe
Africa
Asia
Australasia
REGIONS

Building Services
Applied Technology
Agriculture
International
MARKETS

Fans
Air Handling
Heat Recovery
Filtration
Natural Ventilation
Acoustics
Air Distribution
Controls
Heating
Cooling
Welfare
Lighting
PRODUCTS



MORI MEV HT Centralised Mechanical Extract Ventilation (MEV) unit

ADDITIONAL PRODUCTS

Elta Fans' product portfolio encompasses a complete range of residential ventilation equipment for use in new and existing homes. In addition to the equipment shown in this document we can also supply:

ARCO Intermittent Operating Extract Fans

MORI Centralised Mechanical Extract Ventilation (MEV) units

VIGO Mechanical Ventilation with Heat Recovery (MVHR) units

ACCESSORIES A full range of external air-intake and exhaust terminals, internal grilles, air valves and diffusers, as well as an extensive range of ducting.





ACCREDITATIONS

Testimony to the integrity of our products, our operations and our team, we are proud of our accreditations, certifications and professional associations.

As members of the Property Care Association we are committed to helping drive improved industry standards through the provision of training, information and first class products.

FETA
RVA
HEVAC
FMA
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CIBSE PATRONS
EVIA
BSRIA
PCA



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