



## ***SlimBox***

**SB125EC**

**SB200EC**

**SB250EC**

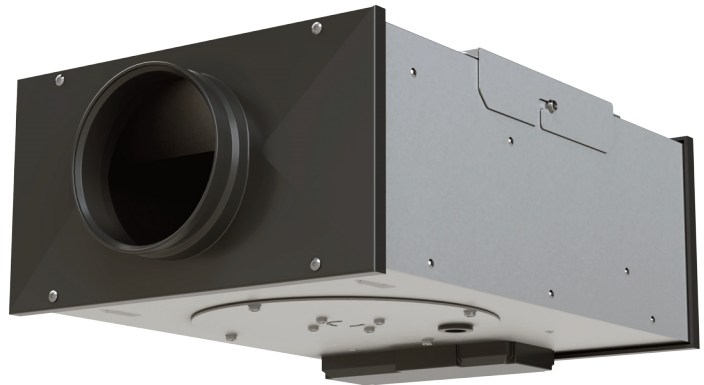
**Decentralised MEVs  
Comfort Ventilation**

**Up to 350 l/s**

## **SlimBox** - Decentralised MEVs - Comfort Ventilation

### Features and benefits

- ErP 2026 ready
- Compact, ultra slim profile
- Energy efficient EC motor
- Low noise and running costs
- 3 sizes available - up to 350 l/sec
- 3 year warranty - 1 year parts and labour, 2 years parts only



### Efficient and low noise fan

- Highly efficient, low-energy, brushless **EC motors**
- **Backward curved impellers**, dynamically balanced
- Thermal overload protection

### Integrated controls

- **Variable speed adjustment**
- Trickle, boost and purge speeds available
- Boost via switched live and volt-free purge
- Control with:
  - Light switch
  - Dynamic remote humidistat
  - PIR
  - Thermostat
  - Remote switch / pull cord

### Easy installation and maintenance

- Easy access to motor and impeller
- Can be installed horizontally or vertically
- Factory-fitted and pre-wired controls

### Slim metal case

- Compact and ultra-low profile
- Casing from galvanised steel
- Complete with mounting bracket and anti-vibration plate

### Complies with

- Part L and Part F of Building Regulations
- Ecodesign for Energy-Related Products Regulations (Amendment) 2019
- RoHS Regulations 2012
- EMC Regulations 2016

### Wide range of accessories

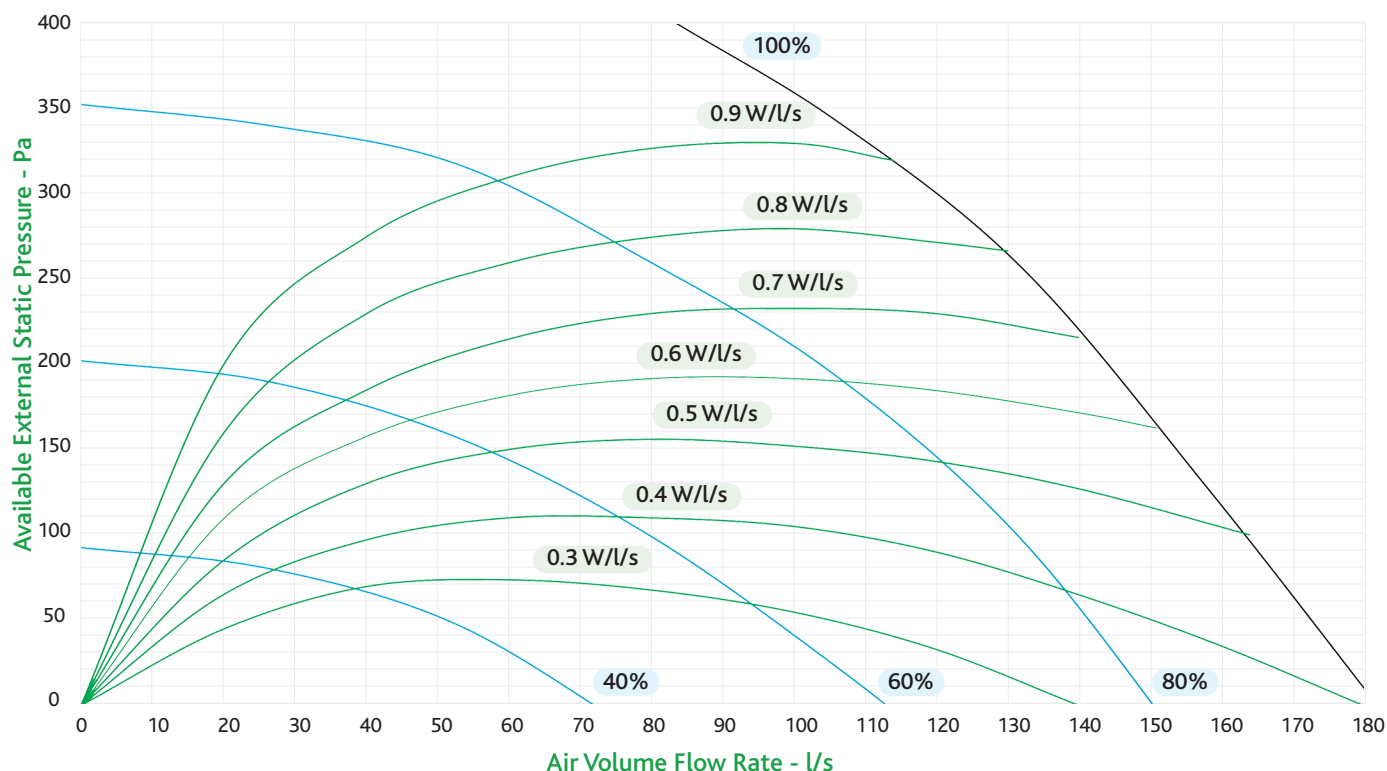
- Air filter cassettes
- Attenuators
- Dampers
- Grilles
- Sensors
- 24/7 Time switches

**Products manufactured in the UK to ISO 9001:2015 and ISO 14001:2015**

## SlimBox - Decentralised MEVs - Comfort Ventilation

### PERFORMANCE

#### SB125EC



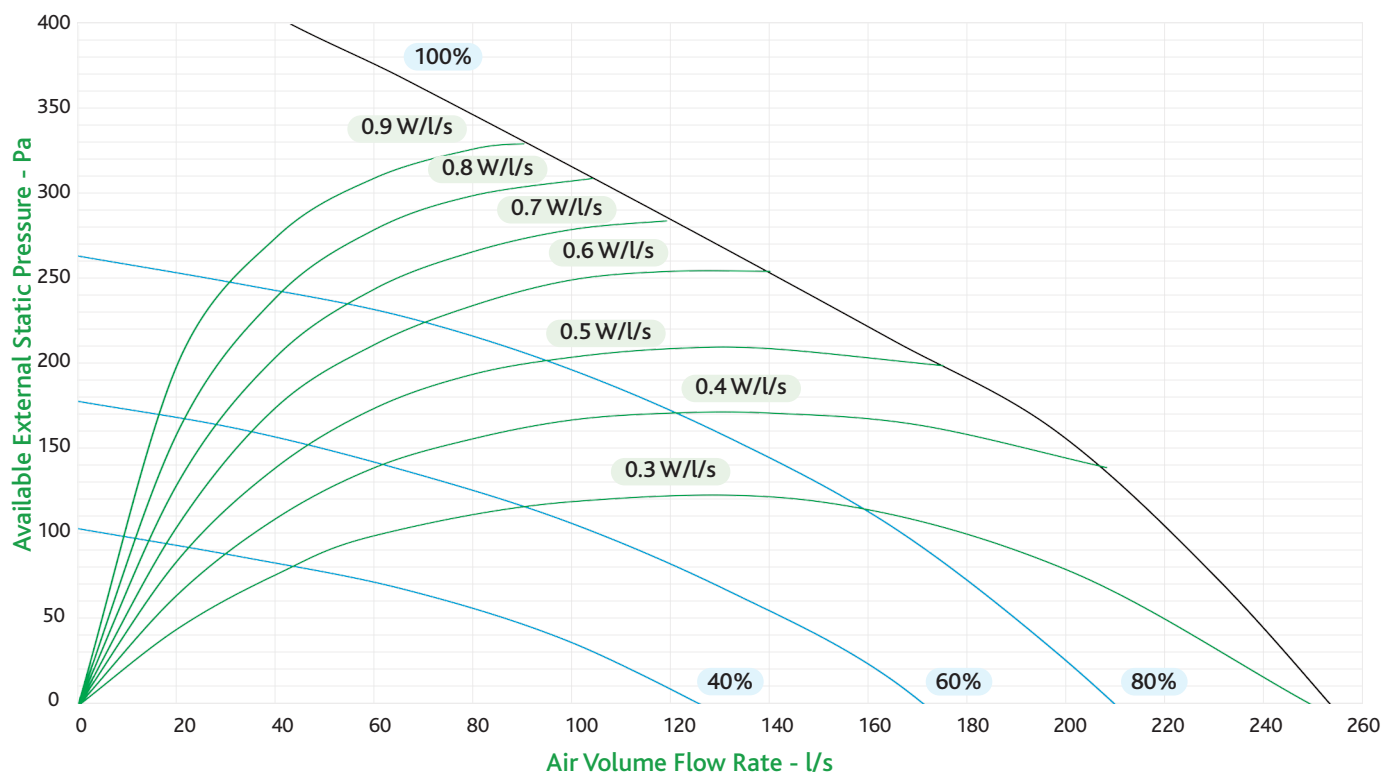
| SB125EC                    |          | Sound Power Levels $L_w$ (dB)-Octave Bands Frequency (Hz) |     |     |     |     |     |     |     | Sound Pressure $L_p$ (dB(A)) |     |
|----------------------------|----------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------------------------------|-----|
| Curve Ref                  |          | 63                                                        | 125 | 250 | 500 | 1 k | 2 k | 4 k | 8 k | @1.5m                        | @3m |
| 100%<br>150 l/s @<br>160Pa | Extract  | 58                                                        | 64  | 65  | 61  | 59  | 57  | 53  | 57  | 40                           | 34  |
|                            | Supply   | 64                                                        | 69  | 70  | 66  | 65  | 63  | 58  | 63  |                              |     |
|                            | Breakout | 62                                                        | 62  | 56  | 45  | 37  | 29  | 18  | 20  |                              |     |
| 80%<br>125 l/s @<br>125Pa  | Extract  | 53                                                        | 58  | 58  | 54  | 53  | 51  | 44  | 46  | 33                           | 27  |
|                            | Supply   | 58                                                        | 64  | 64  | 59  | 58  | 56  | 50  | 52  |                              |     |
|                            | Breakout | 56                                                        | 56  | 50  | 39  | 31  | 22  | 9   | 9   |                              |     |
| 60%<br>95 l/s @ 60Pa       | Extract  | 50                                                        | 54  | 52  | 47  | 46  | 43  | 35  | 35  | 28                           | 22  |
|                            | Supply   | 55                                                        | 59  | 57  | 53  | 52  | 48  | 41  | 41  |                              |     |
|                            | Breakout | 53                                                        | 52  | 43  | 32  | 24  | 21  | 6   | 6   |                              |     |
| 40%<br>60 l/s @<br>30Pa    | Extract  | 44                                                        | 46  | 44  | 40  | 39  | 34  | 26  | 13  | 20                           | 14  |
|                            | Supply   | 50                                                        | 52  | 50  | 45  | 44  | 40  | 32  | 19  |                              |     |
|                            | Breakout | 47                                                        | 44  | 35  | 24  | 17  | 5   | 5   | 5   |                              |     |

The breakout dB(A) sound pressure values are given for hemispherical free field propagation. Tolerance: +/-5%.

## SlimBox - Decentralised MEVs - Comfort Ventilation

### PERFORMANCE

#### SB200EC



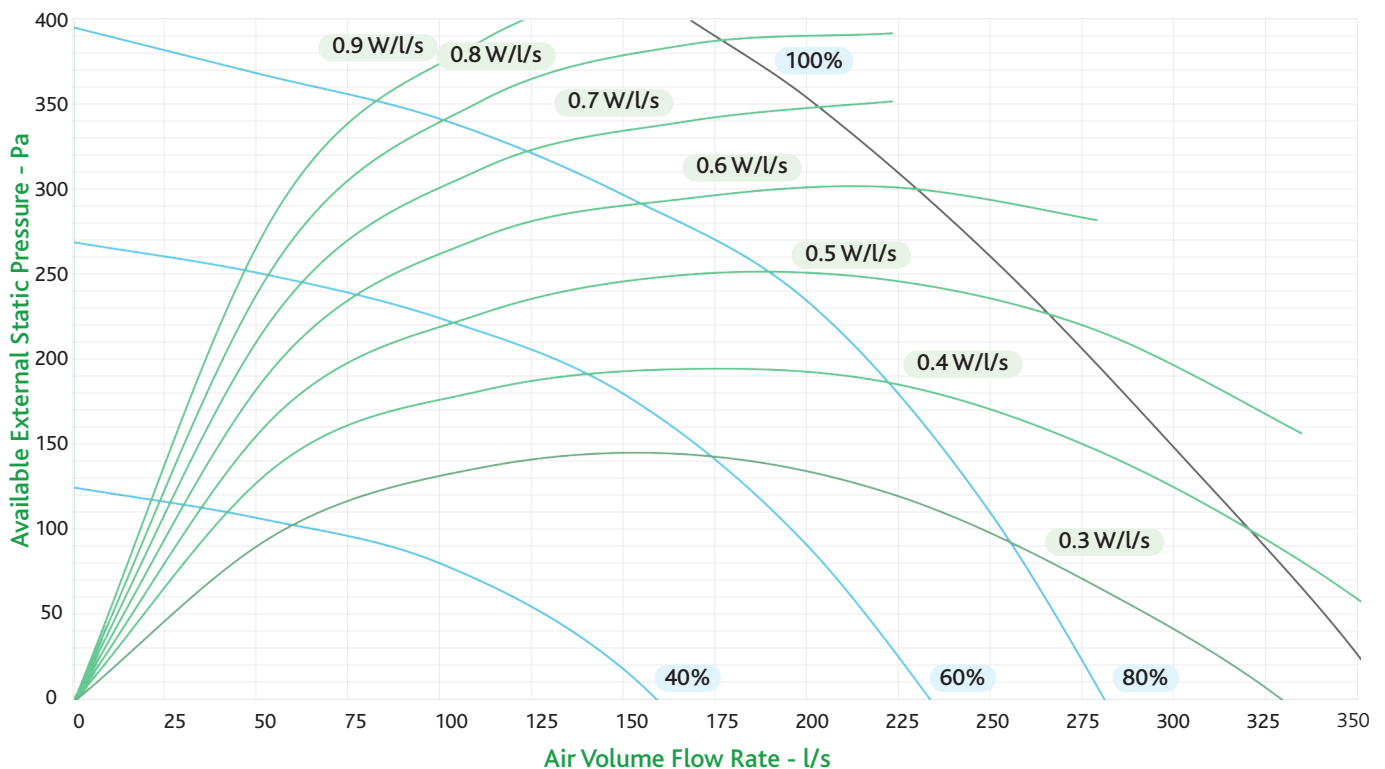
| SB200EC                     |          | Sound Power Levels $L_w$ (dB)-Octave Bands Frequency (Hz) |     |     |     |     |     |     |     | Sound Pressure $L_p$ (dB(A)) |     |
|-----------------------------|----------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------------------------------|-----|
| Curve Ref                   |          | 63                                                        | 125 | 250 | 500 | 1 k | 2 k | 4 k | 8 k | @1.5m                        | @3m |
| 100%<br>170 l/s @<br>200Pa  | Extract  | 58                                                        | 60  | 65  | 63  | 64  | 62  | 58  | 58  | 40                           | 34  |
|                             | Supply   | 63                                                        | 65  | 70  | 68  | 69  | 67  | 63  | 63  |                              |     |
|                             | Breakout | 61                                                        | 58  | 57  | 49  | 44  | 36  | 26  | 24  |                              |     |
| 80%<br>150 l/s @<br>125Pa   | Extract  | 53                                                        | 55  | 59  | 56  | 57  | 55  | 50  | 48  | 34                           | 28  |
|                             | Supply   | 58                                                        | 60  | 64  | 61  | 62  | 60  | 55  | 53  |                              |     |
|                             | Breakout | 56                                                        | 53  | 51  | 42  | 37  | 29  | 18  | 14  |                              |     |
| 60%<br>110 l/sec @<br>100Pa | Extract  | 49                                                        | 50  | 52  | 49  | 50  | 48  | 42  | 39  | 28                           | 22  |
|                             | Supply   | 54                                                        | 55  | 57  | 54  | 55  | 53  | 47  | 44  |                              |     |
|                             | Breakout | 52                                                        | 48  | 44  | 35  | 30  | 22  | 10  | 5   |                              |     |
| 40%<br>60 l/s @<br>75Pa     | Extract  | 43                                                        | 42  | 43  | 40  | 41  | 38  | 32  | 25  | 19                           | 13  |
|                             | Supply   | 48                                                        | 47  | 48  | 45  | 46  | 43  | 37  | 30  |                              |     |
|                             | Breakout | 46                                                        | 40  | 35  | 26  | 21  | 12  | 5   | 5   |                              |     |

The breakout dB(A) sound pressure values are given for hemispherical free field propagation. Tolerance: +/-5%.

## SlimBox - Decentralised MEVs - Comfort Ventilation

### PERFORMANCE

#### SB250EC



| SB250EC                     |          | Sound Power Levels $L_w$ (dB)-Octave Bands Frequency (Hz) |     |     |     |     |     |     |     | Sound Pressure $L_p$ (dB(A)) |     |
|-----------------------------|----------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------------------------------|-----|
| Curve Ref                   |          | 63                                                        | 125 | 250 | 500 | 1 k | 2 k | 4 k | 8 k | @1.5m                        | @3m |
| 100%<br>275 l/s @<br>200Pa  | Extract  | 63                                                        | 65  | 66  | 63  | 62  | 62  | 61  | 59  | 38                           | 32  |
|                             | Supply   | 62                                                        | 65  | 67  | 66  | 68  | 69  | 63  | 62  |                              |     |
|                             | Breakout | 59                                                        | 57  | 53  | 46  | 42  | 38  | 26  | 22  |                              |     |
| 80%<br>235 l/s @<br>125Pa   | Extract  | 61                                                        | 63  | 63  | 59  | 59  | 58  | 57  | 55  | 35                           | 29  |
|                             | Supply   | 60                                                        | 63  | 64  | 63  | 64  | 65  | 60  | 58  |                              |     |
|                             | Breakout | 57                                                        | 55  | 50  | 43  | 38  | 34  | 23  | 18  |                              |     |
| 60%<br>195 l/sec @<br>100Pa | Extract  | 59                                                        | 60  | 59  | 54  | 54  | 54  | 53  | 50  | 31                           | 25  |
|                             | Supply   | 58                                                        | 60  | 60  | 58  | 60  | 61  | 56  | 53  |                              |     |
|                             | Breakout | 55                                                        | 52  | 46  | 38  | 34  | 30  | 19  | 13  |                              |     |
| 40%<br>130 l/s @<br>75Pa    | Extract  | 54                                                        | 54  | 50  | 45  | 45  | 45  | 45  | 35  | 23                           | 17  |
|                             | Supply   | 53                                                        | 54  | 51  | 50  | 51  | 52  | 47  | 37  |                              |     |
|                             | Breakout | 50                                                        | 46  | 37  | 30  | 25  | 21  | 10  | 5   |                              |     |

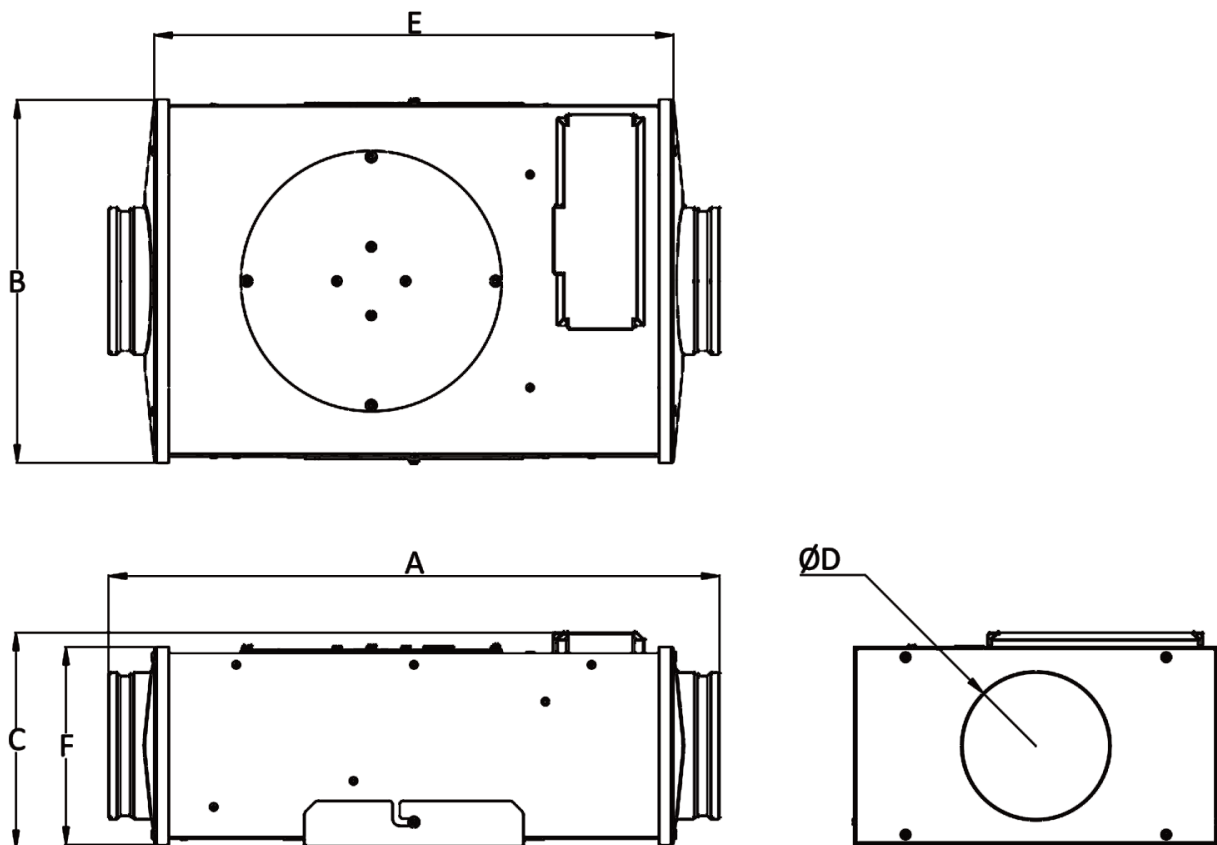
The breakout dB(A) sound pressure values are given for hemispherical free field propagation. Tolerance: +/-5%.

## SlimBox - Decentralised MEVs - Comfort Ventilation

### ELECTRICAL DATA

| Unit    | Phase   | Voltage | Motor Size | Motor FLC | Fan Speed |
|---------|---------|---------|------------|-----------|-----------|
| SB125EC | 1-phase | 230V AC | 99 W       | 0.74 A    | 3480 rpm  |
| SB200EC | 1-phase | 230V AC | 85 W       | 0.70 A    | 2580 rpm  |
| SB250EC | 1-phase | 230V AC | 170 W      | 1.65 A    | 2810 rpm  |

### DIMENSIONS



| Unit    | A mm | B mm | C mm | D mm | E mm | F mm | Mass Kg |
|---------|------|------|------|------|------|------|---------|
| SB125EC | 518  | 305  | 182  | 124  | 435  | 165  | 7       |
| SB200EC | 597  | 374  | 254  | 198  | 504  | 232  | 10      |
| SB250EC | 647  | 374  | 304  | 248  | 554  | 282  | 12      |

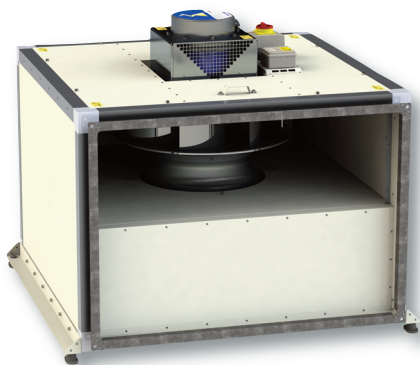
## SlimBox - Decentralised MEVs - Comfort Ventilation

### OTHER AVT PRODUCTS

#### Kitchens

##### High Temperature Extract Range - QBK

- Up to 3.0 m<sup>3</sup>/s. 5 sizes.
- Motor out of airstream.
- Operating temperature up to 120°C.
- Internal and external variants.



#### Toilets and Shower Areas

##### Twin and Single Extract Range -

##### QSS-EC and QST-EC

- Up to 3.9 m<sup>3</sup>/s. 8 sizes.
- Fitted and pre-wired controls.
- Internal and external variants.



#### Communal and Sports Facilities

##### Heat Recovery Ranges - HRP SL and HRPVX

- Up to 4.3 m<sup>3</sup>/s. Extensive range of sizes.
- Side access, bottom access and stacked configurations.
- Vertical or horizontal intake and discharge.
- Fitted and pre-wired controls.
- Internal and external variants.



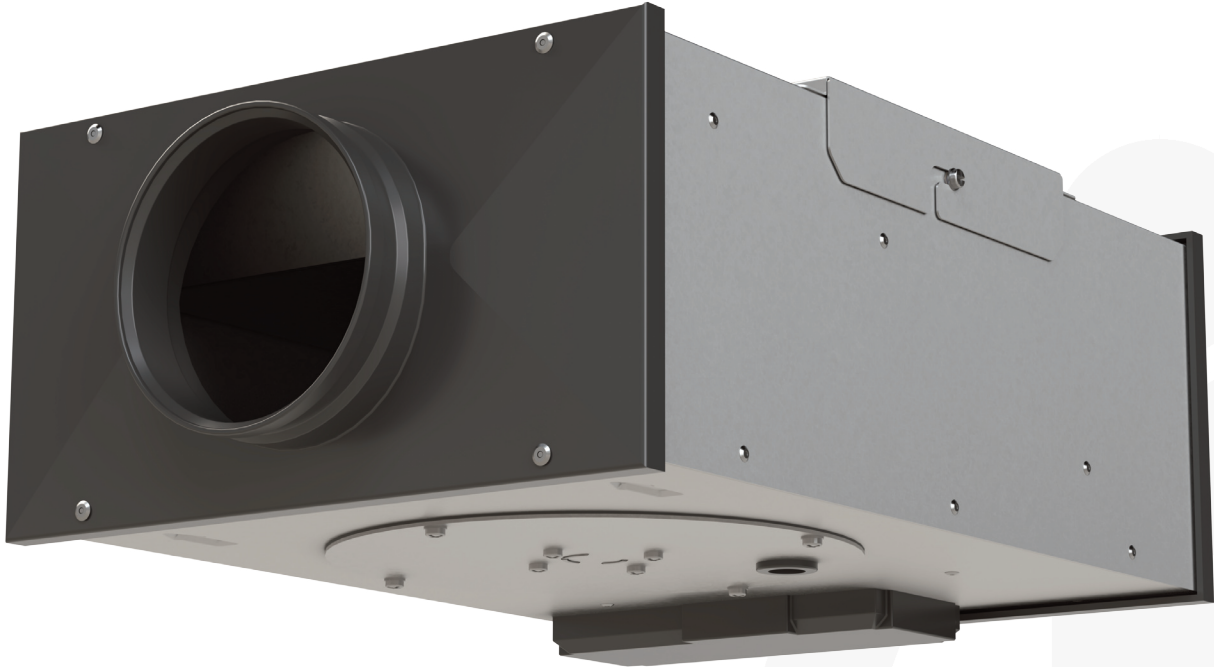
#### Fully Custom AHUs

##### Bespoke Units - STP and STR

- From compact supply AHUs to 20m<sup>3</sup>/s heat recovery units.
- Fitted with pre-wired controls.
- Internal and external variants.
- Built to EN1886 - D1, L2, F9 standards
- Available in flat-pack or sectional delivery.



And more! Reach out to AVT to see how we can assist.



## *SlimBox*

**SB125EC**

**SB200EC**

**SB250EC**

**Decentralised MEVs - Comfort Ventilation - Up to 350 l/s**



Certificate  
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