

# ECR 16-2 EC



## Short description

Compact supply air unit with integrated electric air heater, EC motor, filter and controller, DN 160

## Application examples

Workplace, Doctor's practice, Day room, Fitness room, Restaurant

Article number 0080.0775

## Technical data

|                                |                         |
|--------------------------------|-------------------------|
| Air flow volume                | 580 m <sup>3</sup> /h   |
| Rotating speed                 | 3.360 1/min             |
| Speed controllable             | ✓                       |
| Rated voltage                  | 230 V                   |
| Frequency                      | 50 Hz                   |
| Nominal output                 | 3.124 W                 |
| I <sub>max</sub>               | 13,9 A                  |
| Degree of protection for motor | IP 33                   |
| Pole-changeable                | –                       |
| Installation site              | Wall / ceiling          |
| Installation position          | vertical / horizontal   |
| Material                       | Sheet steel, galvanised |
| Colour                         | Silver                  |
| Weight                         | 24,7 kg                 |
| Weight including packaging     | 25,1 kg                 |
| Filter class                   | ISO ePM10 ≥ 50 % (M5)   |
| Nominal size                   | 160 mm                  |
| Width                          | 478 mm                  |
| Height                         | 346 mm                  |
| Depth                          | 760 mm                  |
| Width with packaging           | 483 mm                  |
| Height with packaging          | 356 mm                  |
| Depth with packaging           | 810 mm                  |
| Heater power rating            | 3.000 W                 |
| Packing unit                   | 1 piece                 |
| Range                          | E                       |
| GTIN (EAN)                     | 4012799807759           |

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## Sound power level in octave range

|                                     | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | Total |
|-------------------------------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| <b>L<sub>WA2</sub>,<br/>S1 (dB)</b> | 38    | 52     | 53     | 49     | 44    | 45    | 40    | 35    | 57    |
| <b>L<sub>WA2</sub>,<br/>S2 (dB)</b> | 38    | 50     | 51     | 49     | 44    | 45    | 39    | 34    | 56    |
| <b>L<sub>WA2</sub>,<br/>S3 (dB)</b> | 37    | 48     | 48     | 48     | 42    | 43    | 38    | 32    | 54    |
| <b>L<sub>WA2</sub>,<br/>S4 (dB)</b> | 37    | 45     | 47     | 50     | 44    | 44    | 37    | 31    | 54    |
| <b>L<sub>WA2</sub>,<br/>S5 (dB)</b> | 36    | 47     | 50     | 52     | 46    | 46    | 39    | 33    | 56    |
| <b>L<sub>WA5</sub>,<br/>S1 (dB)</b> | 40    | 62     | 62     | 59     | 62    | 60    | 55    | 51    | 68    |
| <b>L<sub>WA5</sub>,<br/>S2 (dB)</b> | 40    | 61     | 60     | 58     | 61    | 59    | 54    | 51    | 67    |
| <b>L<sub>WA5</sub>,<br/>S3 (dB)</b> | 38    | 59     | 56     | 56     | 60    | 57    | 53    | 51    | 65    |
| <b>L<sub>WA5</sub>,<br/>S4 (dB)</b> | 37    | 56     | 57     | 59     | 62    | 58    | 53    | 50    | 66    |
| <b>L<sub>WA5</sub>,<br/>S5 (dB)</b> | 36    | 56     | 58     | 60     | 63    | 60    | 55    | 52    | 68    |
| <b>L<sub>WA6</sub>,<br/>S1 (dB)</b> | 39    | 58     | 61     | 61     | 66    | 66    | 62    | 55    | 71    |
| <b>L<sub>WA6</sub>,<br/>S2 (dB)</b> | 39    | 57     | 59     | 61     | 65    | 66    | 61    | 55    | 70    |
| <b>L<sub>WA6</sub>,<br/>S3 (dB)</b> | 38    | 54     | 56     | 59     | 63    | 64    | 60    | 54    | 69    |
| <b>L<sub>WA6</sub>,<br/>S4 (dB)</b> | 40    | 51     | 55     | 65     | 64    | 64    | 60    | 55    | 70    |
| <b>L<sub>WA6</sub>,<br/>S5 (dB)</b> | 42    | 52     | 57     | 66     | 66    | 66    | 63    | 58    | 72    |

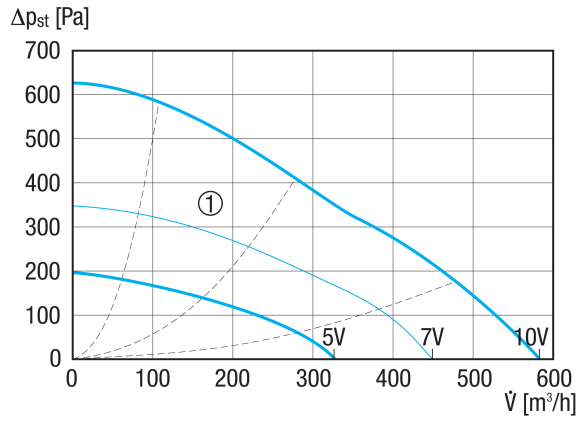
L<sub>WA2</sub>= housing sound power level in dB.

L<sub>WA5</sub>= free inlet sound power level in dB.

L<sub>WA6</sub>= free outlet sound power level in dB.

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## Characteristic curve



① Auxiliary characteristics curves for control voltage 5 V, 7 V and 10 V

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Dimensioned drawing [mm]

