

# ECR 31 EC



## Short description

Compact supply air device with integrated electrical air heater, EC motor, filter and controller, DN 315

## Application examples

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

Article number 0080.0578

## Technical data

Number of ventilation levels	3
Air flow volume	1.270 m <sup>3</sup> /h
Rotating speed	2.970 1/min
Speed controllable	–
Rated voltage	400 V
Frequency	50 Hz
Nominal output	9.241 W
I <sub>nom</sub>	1,6 A
I <sub>nom fan</sub>	1,6 A
I <sub>max</sub>	1,7 A
I <sub>Max total</sub>	14,8 A
Degree of protection for motor	IP 33
Insulation class	F
Pole-changeable	–
Installation position	vertical / horizontal
Material	Sheet steel, galvanised
Colour	Silver
Weight	36,736 kg
Weight including packaging	39,128 kg
Filter class	ISO ePM10 ≥ 50 % (M5)
Nominal size	315 mm
Width	406 mm
Height	538 mm
Depth	790 mm
Width with packaging	430 mm
Height with packaging	555 mm
Depth with packaging	825 mm
Heater power rating	9.000 W
Packing unit	1 piece

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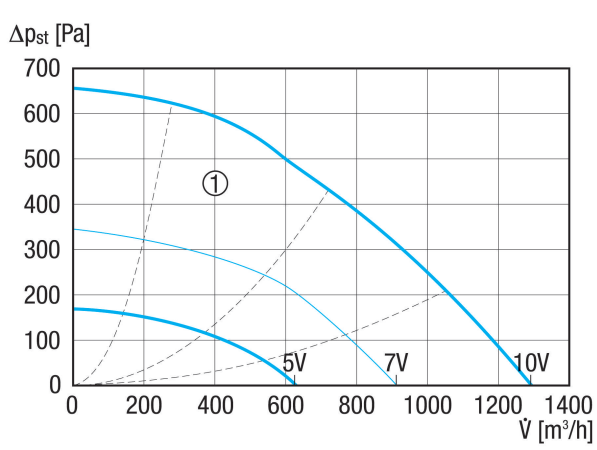
Range	E
GTIN (EAN)	4012799805786

## 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, low</sub> (dB(A))</b>	52	52	57	55	61	58	54	47	65
<b>L<sub>WA2, medium</sub> (dB(A))</b>	41	43	55	53	59	55	50	45	62
<b>L<sub>WA2, high</sub> (dB(A))</b>	43	46	60	59	57	50	44	39	64
<b>L<sub>WA5, low</sub> (dB(A))</b>	48	67	75	71	70	63	63	56	78
<b>L<sub>WA5, medium</sub> (dB(A))</b>	38	55	71	69	67	61	61	55	75
<b>L<sub>WA5, high</sub> (dB(A))</b>	41	60	78	76	75	67	66	62	82
<b>L<sub>WA6, low</sub> (dB(A))</b>	49	62	70	71	71	71	69	63	78
<b>L<sub>WA6, medium</sub> (dB(A))</b>	36	51	73	67	68	69	67	62	77
<b>L<sub>WA6, high</sub> (dB(A))</b>	41	57	77	74	75	76	72	69	82

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.

## Characteristic curve



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

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Dimensioned drawing [mm]

