

ESR 31 EC



Short description

Sound-insulated ventilation box with EC motor and swivelling fan, DN 315, alternating current

Application examples

Commercial premises, Showroom, Office, Foreman's office, Changing room

Article number 0080.0088

Technical data

Air flow volume	1.800 m³/h
Rotating speed	2.640 1/min
Speed controllable	✓
Rated voltage	230 V
Frequency	50 Hz/60 Hz
Nominal output	274 W
Power consumption	274 W
I _{nom}	1,8 A
I _{max}	1,9 A
Degree of protection	IP X4
Insulation class	B
Installation site	Wall / ceiling
Installation position	vertical / horizontal
Housing material	Sheet steel, galvanised
Colour	Silver
Weight	25 kg
Weight including packaging	27 kg
Swivelling fan	✓
Nominal size	315 mm
Width	617 mm
Height	542 mm
Depth	387 mm
Width with packaging	680 mm
Height with packaging	560 mm
Depth with packaging	420 mm
Airstream temperature at nominal current	-20 °C up to 55 °C
Ambient temperature	-20 °C up to 55 °C
Packing unit	1 piece
Range	E

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GTIN (EAN)	4012799992622
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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
L_{WA5}, S1 (dB(A))	53	62	68	59	63	60	60	54	71
L_{WA5}, Level 2 (dB(A))	50	57	66	56	60	58	59	53	69
L_{WA5}, Level 3 (dB(A))	44	51	67	56	58	56	55	49	69
L_{WA5}, Level 4 (dB(A))	47	56	72	61	63	61	60	55	74
L_{WA5}, Level 5 (dB(A))	50	60	74	66	66	65	63	58	76
L_{WA6}, Step 1 (dB(A))	51	68	76	79	76	74	72	68	83
L_{WA6}, Level 2 (dB(A))	50	65	74	77	76	73	71	68	82
L_{WA6}, Level 3 (dB(A))	46	57	76	74	73	71	68	63	80
L_{WA6}, Level 4 (dB(A))	48	63	82	80	78	75	72	69	86
L_{WA6}, Level 5 (dB(A))	51	66	86	84	82	80	76	72	90
L_{WA2}, Step 1 (dB(A))	54	57	59	54	68	48	48	46	69
L_{WA2}, Level 2 (dB(A))	50	52	57	52	63	45	46	44	65
L_{WA2}, Level 3 (dB(A))	44	47	58	51	61	42	42	39	63
L_{WA2}, Level 4 (dB(A))	47	50	65	56	65	43	41	37	68
L_{WA2}, Level 5 (dB(A))	49	54	72	65	65	46	44	40	73

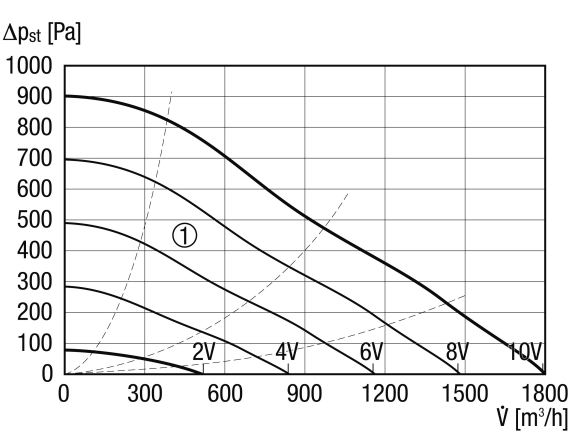
L_{WA2}= housing sound power level in dB.

L_{WA5}= free inlet sound power level in dB.

L_{WA6}= free outlet sound power level in dB.

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Characteristic curve



Auxiliary characteristics curves for control voltage 2 - 10 V

Dimensioned drawing [mm]

