

ESR 31-3 EC



Short description

Sound-insulated ventilation box with EC motor and swivelling fan, DN 315, single-phase AC

Application examples

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

Article number 0080.1004

Technical data

Air flow volume	1.800 m ³ /h
Rotating speed	2.890 1/min
Impeller type	radial
Speed controllable	✓
Rated voltage	230 V
Frequency	50 Hz/60 Hz
Nominal output	274 W
I _{max}	1,9 A
Degree of protection	IP 54
Insulation class	F
Installation site	Wall / ceiling
Installation position	vertical / horizontal
Material	Sheet steel, galvanised
Colour	Silver
Weight	25 kg
Weight including packaging	27,1 kg
Swivelling fan	✓
Nominal size	315 mm
Width	546 mm
Height	387 mm
Depth	639 mm
Width with packaging	560 mm
Height with packaging	420 mm
Depth with packaging	680 mm
Airstream temperature at I _{Max}	55 °C
Ambient temperature	-30 °C up to 55 °C
Packing unit	1 piece
Range	E
GTIN (EAN)	4012799981077

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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_{WA2}, S1 (dB(A))	28	22	26	25	45	23	15	6	46
L_{WA2}, S2 (dB(A))	33	45	41	37	41	17	21	32	48
L_{WA2}, S3 (dB(A))	41	50	59	49	42	33	32	27	60
L_{WA2}, S4 (dB(A))	45	51	64	55	47	40	38	34	65
L_{WA2}, S5 (dB(A))	49	54	71	64	65	46	44	40	73
L_{WA5}, S1 (dB(A))	41	39	36	36	40	38	33	25	47
L_{WA5}, S2 (dB(A))	42	50	51	41	44	44	44	31	55
L_{WA5}, S3 (dB(A))	42	55	65	51	51	52	52	44	66
L_{WA5}, S4 (dB(A))	45	57	73	58	58	59	58	53	74
L_{WA5}, S5 (dB(A))	50	60	74	66	66	65	63	58	76
L_{WA6}, S1 (dB(A))	41	35	39	40	42	39	35	34	48
L_{WA6}, S2 (dB(A))	43	56	57	58	56	57	55	44	64
L_{WA6}, S3 (dB(A))	44	63	70	70	67	66	64	58	75
L_{WA6}, S4 (dB(A))	47	64	79	77	75	73	70	67	83
L_{WA6}, S5 (dB(A))	50	66	86	84	82	79	76	72	90

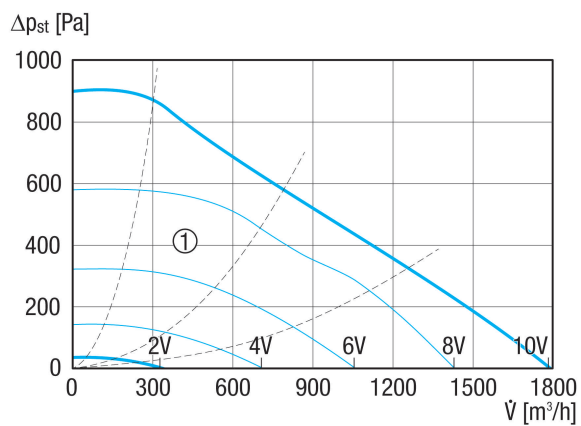
L_{WA2}= housing sound power level in dB.

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

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

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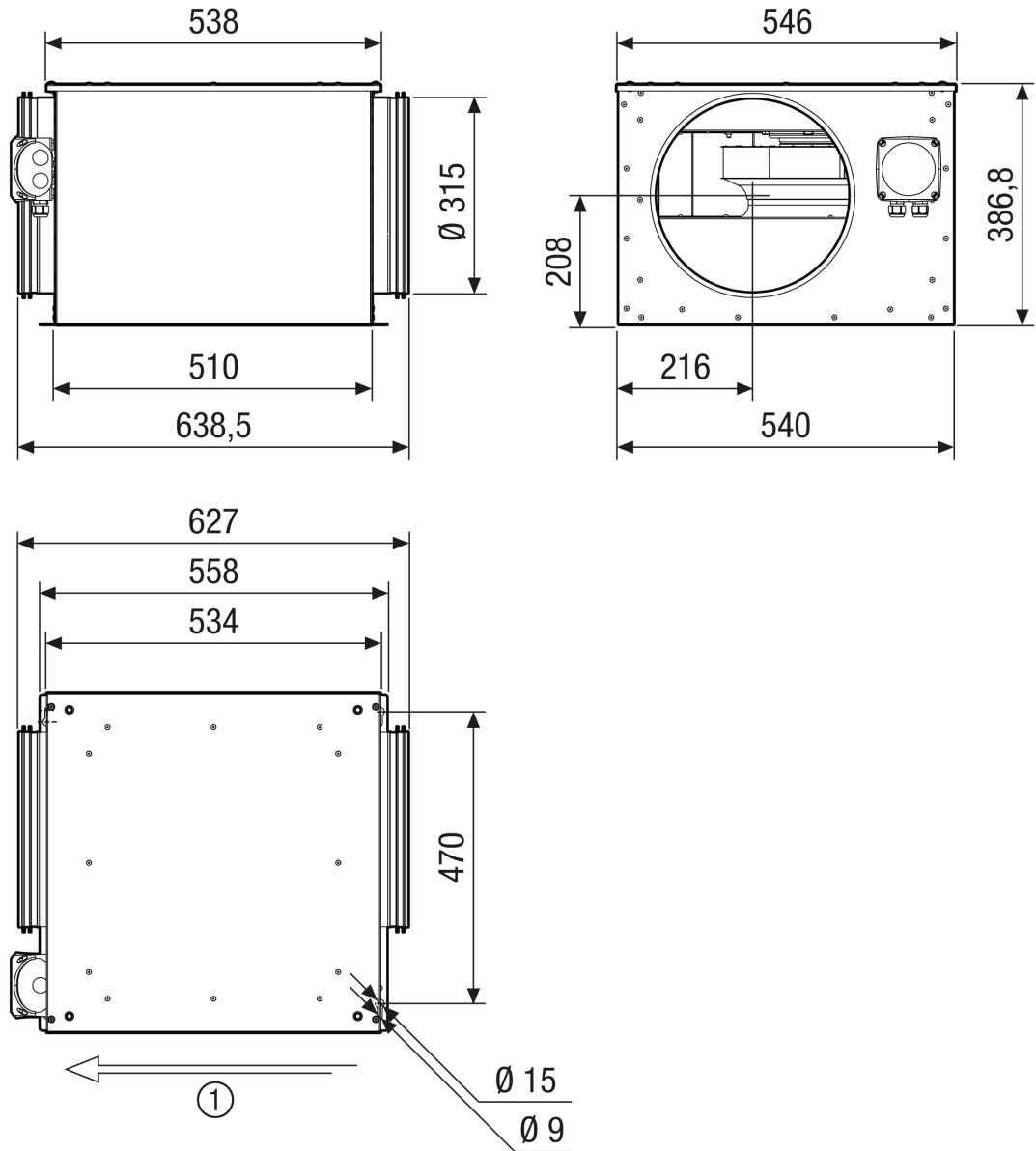
Characteristic curve



① Auxiliary characteristics curves for control voltage 2 - 10 V

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Dimensioned drawing [mm]



① Air direction