

ESR 16 EC



Short description

Sound-insulated ventilation box with EC motor and swivelling fan, DN 160, alternating current

Application examples

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

Article number 0080.0085

Technical data

Air flow volume	590 m ³ /h
Rotating speed	3.466 1/min
Speed controllable	✓
Rated voltage	230 V
Frequency	50 Hz/60 Hz
Nominal output	104 W
Power consumption	104 W
I _{nom}	0,8 A
I _{max}	0,9 A
Degree of protection	IP X4
Insulation class	F
Installation position	vertical / horizontal
Material	Sheet steel, galvanised
Housing material	Sheet steel, galvanised
Colour	Silver
Weight	11,77 kg
Weight including packaging	13,28 kg
Swivelling fan	✓
Nominal size	160 mm
Width	380 mm
Height	232 mm
Depth	447 mm
Width with packaging	400 mm
Height with packaging	265 mm
Depth with packaging	560 mm
Airstream temperature at nominal current	-20 °C up to 60 °C
Ambient temperature	-20 °C up to 60 °C
Packing unit	1 piece
Range	E

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GTIN (EAN)	4012799800859
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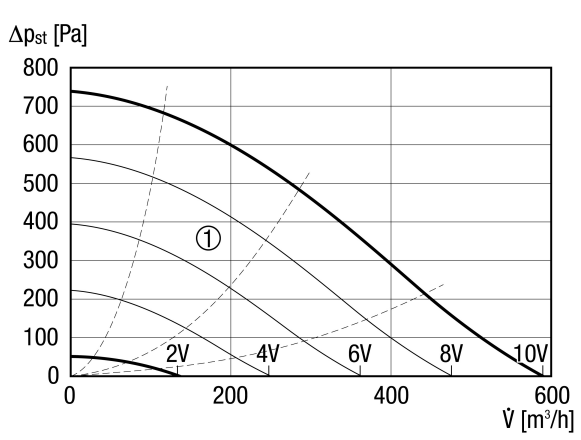
Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA2}, S1 (dB(A))	38	48	48	53	48	46	46	39	57
L_{WA2}, S2 (dB(A))	38	49	48	54	48	45	44	38	57
L_{WA2}, S3 (dB(A))	39	49	48	53	47	43	42	36	57
L_{WA2}, S4 (dB(A))	40	48	50	58	48	37	36	30	59
L_{WA2}, S5 (dB(A))	42	51	53	60	51	48	38	33	62
L_{WA5}, S1 (dB(A))	41	50	54	55	50	51	50	43	60
L_{WA5}, S2 (dB(A))	41	50	54	57	50	51	50	43	61
L_{WA5}, S3 (dB(A))	40	49	54	59	49	50	48	42	62
L_{WA5}, S4 (dB(A))	44	51	57	62	51	51	48	42	64
L_{WA5}, S5 (dB(A))	46	53	59	64	52	52	50	45	66
L_{WA6}, S1 (dB(A))	35	56	63	71	70	66	61	55	75
L_{WA6}, S2 (dB(A))	36	56	64	71	70	66	61	55	75
L_{WA6}, S3 (dB(A))	36	55	63	72	70	66	61	54	75
L_{WA6}, S4 (dB(A))	39	58	66	77	73	69	63	57	79
L_{WA6}, S5 (dB(A))	42	61	68	78	75	72	66	61	81

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]

