

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 0080.0083

Technical data

Air flow volume	1.140 m ³ /h
Rotating speed	2.970 1/min
Speed controllable	✓
Rated voltage	400 V
I _{nom fan}	1 A
I _{Max total}	14,1 A
Degree of protection	IP X4
Insulation class	F
Operator unit degree of protection	IP 00
Housing material	Sheet steel, galvanised
Weight	30,9 kg
Weight including packaging	32,882 kg
Filter class	G4
Nominal size	315 mm
Width with packaging	825 mm
Height with packaging	440 mm
Depth with packaging	480 mm
Airstream temperature at nominal current	40 °C
Airstream temperature at I _{Max}	-20 °C up to 40 °C
Heater power rating	9.000 W
Packing unit	1 piece
Range	E
GTIN (EAN)	4012799800835

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))	52	52	56	52	64	51	52	45	66

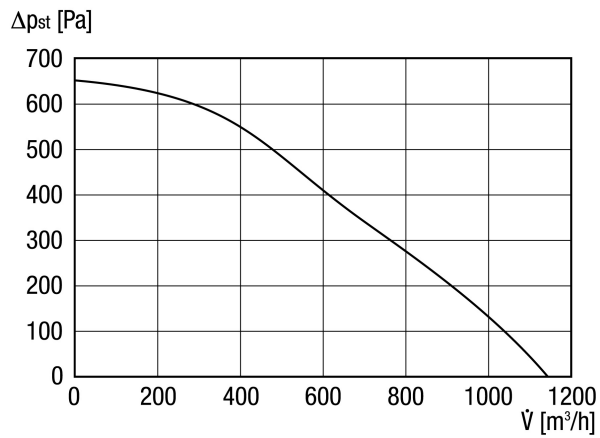
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	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA2}, S2 (dB(A))	54	50	55	51	66	51	51	44	67
L_{WA2}, S3 (dB(A))	50	44	55	49	67	51	46	38	68
L_{WA2}, S4 (dB(A))	56	45	57	52	66	47	42	34	67
L_{WA2}, S5 (dB(A))	53	47	58	54	64	46	42	34	66
L_{WA5}, S1 (dB(A))	53	65	69	67	66	63	64	58	74
L_{WA5}, S2 (dB(A))	49	62	67	65	65	62	63	57	73
L_{WA5}, S3 (dB(A))	44	57	64	65	66	61	62	57	71
L_{WA5}, S4 (dB(A))	50	57	69	70	67	62	63	58	75
L_{WA5}, S5 (dB(A))	52	58	72	72	69	64	65	60	77
L_{WA6}, S1 (dB(A))	51	62	67	67	69	71	67	60	76
L_{WA6}, S2 (dB(A))	49	59	67	67	68	70	66	60	75
L_{WA6}, S3 (dB(A))	44	56	65	66	68	68	65	59	74
L_{WA6}, S4 (dB(A))	50	55	71	69	70	71	66	60	77
L_{WA6}, S5 (dB(A))	52	57	75	72	70	73	68	61	79

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



Dimensioned drawing [mm]

A	B	C	D	E
315	233	406	466	712

