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## Short description

Centrifugal duct fan, DN 100, air volume 250 m<sup>3</sup>/h, single-phase AC

## Application examples

Machine extraction unit, Workplace air extraction system, Production site, Storage facility, Laboratory

Article number 0080.0271

## Technical data

Air flow volume	250 m <sup>3</sup> /h
Rotating speed	2.518 1/min
Impeller type	radial
Speed controllable	✓
Reversing capacity	–
SEC average	-6 kWh/(m <sup>2</sup> *a)
Energy efficiency class	F
Type of voltage	Alternating current
Rated voltage	230 / 220 V
Frequency	50 Hz/60 Hz
Nominal output	51 W
I <sub>max</sub>	0,23 A
Degree of protection	IP X4
Insulation class	B
Pole-changeable	–
Installation position	vertical / horizontal
Material	Sheet steel, powder coated
Housing material	Sheet steel, powder coated
Colour	Light grey
Weight	2,84 kg
Weight including packaging	3,41 kg
Nominal size	100 mm
Width	254 mm
Height	291 mm
Depth	230 mm
Width with packaging	310 mm
Height with packaging	310 mm
Depth with packaging	270 mm
Airstream temperature at nominal current	60 °C

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Airstream temperature at I <sub>Max</sub>	-20 °C up to 60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799802716

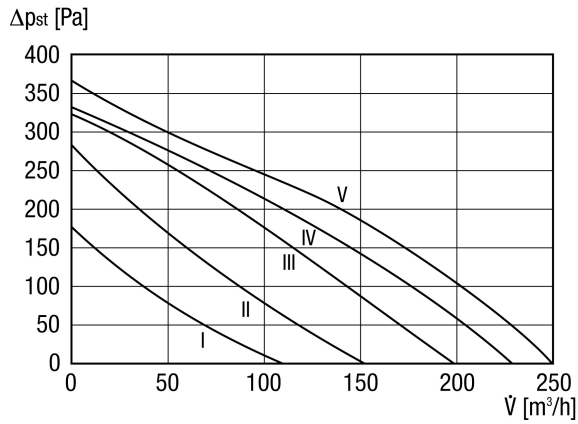
## Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
<b>L<sub>WA2</sub>, S1</b> <b>(dB(A))</b>	14	20	22	26	16	12	1	0	29
<b>L<sub>WA2</sub>, S2</b> <b>(dB(A))</b>	21	26	28	33	30	25	23	21	37
<b>L<sub>WA2</sub>, S3</b> <b>(dB(A))</b>	25	36	34	36	39	34	30	19	43
<b>L<sub>WA2</sub>, S4</b> <b>(dB(A))</b>	28	37	39	40	44	40	38	27	48
<b>L<sub>WA2</sub>, S5</b> <b>(dB(A))</b>	30	40	43	43	48	44	43	33	52
<b>L<sub>WA5</sub>, S1</b> <b>(dB(A))</b>	19	24	32	28	29	21	12	11	36
<b>L<sub>WA5</sub>, S2</b> <b>(dB(A))</b>	27	32	40	39	41	35	23	14	46
<b>L<sub>WA5</sub>, S3</b> <b>(dB(A))</b>	34	42	50	48	51	48	38	28	56
<b>L<sub>WA5</sub>, S4</b> <b>(dB(A))</b>	38	47	57	54	56	55	46	37	62
<b>L<sub>WA5</sub>, S5</b> <b>(dB(A))</b>	41	51	62	58	61	61	52	44	67
<b>L<sub>WA6</sub>, S1</b> <b>(dB(A))</b>	19	21	31	25	30	23	20	16	35
<b>L<sub>WA6</sub>, S2</b> <b>(dB(A))</b>	26	33	40	35	41	33	22	8	45
<b>L<sub>WA6</sub>, S3</b> <b>(dB(A))</b>	35	44	51	47	52	48	40	29	57
<b>L<sub>WA6</sub>, S4</b> <b>(dB(A))</b>	38	48	57	53	57	54	47	38	62
<b>L<sub>WA6</sub>, S5</b> <b>(dB(A))</b>	40	51	62	58	61	59	52	44	67

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.

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## Characteristic curve



## Dimensioned drawing [mm]

