

# ERR 16/1 S



## Short description

Centrifugal duct fan, DN 160, air volume 720 m<sup>3</sup>/h, single-phase AC

## Application examples

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

Article number 0080.0274

## Technical data

Air flow volume	720 m <sup>3</sup> /h
Rotating speed	2.625 1/min
Impeller type	radial
Speed controllable	✓
Reversing capacity	–
SEC average	-9 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	112 W
I <sub>max</sub>	0,5 A
Degree of protection	IP X4
Insulation class	F
Pole-changeable	–
Installation position	vertical / horizontal
Material	Sheet steel, powder coated
Housing material	Sheet steel, powder coated
Colour	Light grey
Weight	4,31 kg
Weight including packaging	5,16 kg
Nominal size	160 mm
Width	250 mm
Height	237 mm
Depth	210 mm
Width with packaging	390 mm
Height with packaging	390 mm
Depth with packaging	300 mm
Airstream temperature at nominal current	-20 °C up to 60 °C

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Airstream temperature at $I_{Max}$	-20 °C up to 60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799802747

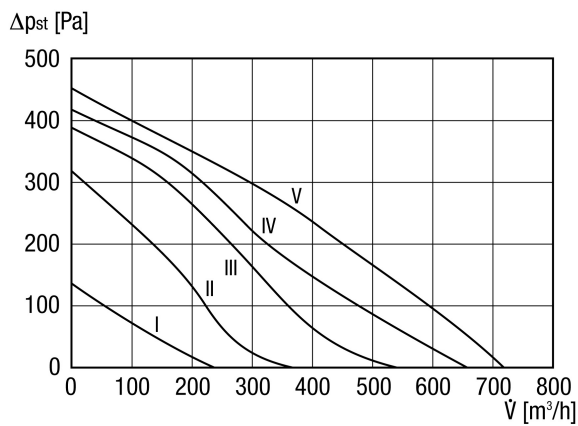
## Sound power level in octave range

	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>	15	30	22	22	24	14	8	9	32
<b>L<sub>WA2</sub>, S2</b> <b>(dB(A))</b>	17	33	30	33	31	32	19	6	39
<b>L<sub>WA2</sub>, S3</b> <b>(dB(A))</b>	25	37	37	42	41	43	39	22	48
<b>L<sub>WA2</sub>, S4</b> <b>(dB(A))</b>	28	41	40	45	45	46	43	29	52
<b>L<sub>WA2</sub>, S5</b> <b>(dB(A))</b>	30	42	43	47	48	49	46	34	54
<b>L<sub>WA5</sub>, S1</b> <b>(dB(A))</b>	19	27	51	44	42	34	22	8	52
<b>L<sub>WA5</sub>, S2</b> <b>(dB(A))</b>	29	37	50	53	54	51	42	28	58
<b>L<sub>WA5</sub>, S3</b> <b>(dB(A))</b>	36	43	58	62	64	60	59	44	68
<b>L<sub>WA5</sub>, S4</b> <b>(dB(A))</b>	38	47	59	65	68	64	63	49	72
<b>L<sub>WA5</sub>, S5</b> <b>(dB(A))</b>	37	49	60	67	70	67	66	53	74
<b>L<sub>WA6</sub>, S1</b> <b>(dB(A))</b>	20	32	49	36	39	33	21	5	50
<b>L<sub>WA6</sub>, S2</b> <b>(dB(A))</b>	28	37	55	47	50	49	40	26	57
<b>L<sub>WA6</sub>, S3</b> <b>(dB(A))</b>	34	44	62	56	61	59	56	43	67
<b>L<sub>WA6</sub>, S4</b> <b>(dB(A))</b>	37	48	61	62	66	64	61	49	70
<b>L<sub>WA6</sub>, S5</b> <b>(dB(A))</b>	38	49	62	64	68	66	63	53	72

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]

