

ERR 31/1



Short description

Centrifugal duct fan, DN 315, alternating current

Application examples

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

Article number 0080.0278

Technical data

Air flow volume	1.370 m³/h
Rotating speed	2.760 1/min
Impeller type	radial
Speed controllable	✓
Type of voltage	Alternating current
Rated voltage	230 / 220 V
Frequency	50 Hz/60 Hz
Nominal output	258 W
I _{max}	1,14 A
Degree of protection	IP X4
Insulation class	F
Installation position	vertical / horizontal
Housing material	Sheet steel, powder coated
Weight	6,5 kg
Nominal size	315 mm
Width	450 mm
Height	487 mm
Depth	295 mm
Airstream temperature at nominal current	-25 °C up to 60 °C
Airstream temperature at I _{Max}	-20 °C up to 60 °C (at 60 Hz temperature -20°C to 25°C)
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799802785

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))	26	35	32	33	29	30	19	4	40

ERR 31/1

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA2}, S2 (dB(A))	26	38	41	41	41	42	43	25	49
L_{WA2}, S3 (dB(A))	28	44	45	49	51	52	49	40	57
L_{WA2}, S4 (dB(A))	30	44	47	52	52	54	51	44	59
L_{WA2}, S5 (dB(A))	32	44	48	54	53	57	53	46	61
L_{WA5}, S1 (dB(A))	22	37	37	41	44	53	45	30	55
L_{WA5}, S2 (dB(A))	27	37	51	52	55	53	61	48	63
L_{WA5}, S3 (dB(A))	33	42	55	62	64	60	63	64	70
L_{WA5}, S4 (dB(A))	35	44	57	64	67	63	65	66	72
L_{WA5}, S5 (dB(A))	36	45	59	66	69	65	67	68	74
L_{WA6}, S1 (dB(A))	26	35	43	40	42	44	37	24	49
L_{WA6}, S2 (dB(A))	28	39	51	52	54	55	58	47	62
L_{WA6}, S3 (dB(A))	34	46	57	59	62	63	64	62	70
L_{WA6}, S4 (dB(A))	37	48	59	62	65	66	65	65	72
L_{WA6}, S5 (dB(A))	39	49	60	64	67	68	67	67	74

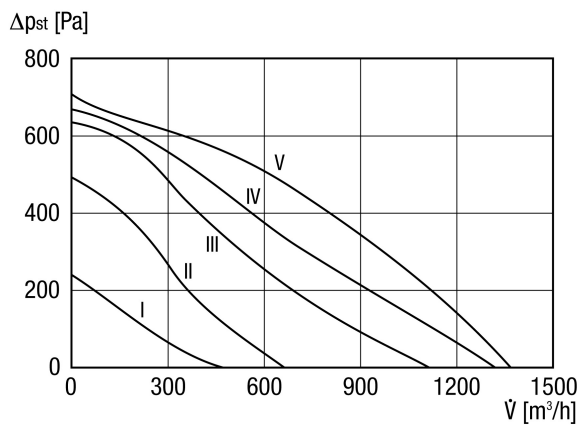
L_{WA2}= housing sound power level in dB.

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

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

ERR 31/1

Characteristic curve



Dimensioned drawing [mm]

