

The specified values apply to the **mentioned speed (referring to our data sheet), free air!**
 The obtained sound values are to be regarded as a guideline!

Number of fans: 1
 Distance to sound source: 3m
 Number of reflectors: 1

The sound values are based on aerodynamic ideal conditions and free sound propagation. The values are not transferrable to entire facilities with additional noise sources caused by drive ore structure-borne noise.

AW 315/ EM15 (1500rpm)

Octave band (Hz)	63	125	250	500	1k	2k	4k	8k	Lin
Sound power LW (dB)	67	68	76	69	67	64	61	58	78
Sound power LWA (dB)	41	52	67	66	67	65	62	57	72
Attenuation (dB)	18	18	18	18	18	18	18	18	
Sound pressure Lp (dB)	49	50	58	51	49	46	43	40	60
Sound pressure LpA (dB)	23	34	49	48	49	47	44	39	55

AW 350/ EM15 (1500rpm)

Octave band (Hz)	63	125	250	500	1k	2k	4k	8k	Lin
Sound power LW (dB)	69	70	78	71	69	66	63	60	80
Sound power LWA (dB)	43	54	69	68	69	67	64	59	74
Attenuation (dB)	18	18	18	18	18	18	18	18	
Sound pressure Lp (dB)	51	52	60	53	51	48	45	42	62
Sound pressure LpA (dB)	25	36	51	50	51	49	46	41	57

AW 420/ EM15 (1370rpm)

Octave band (Hz)	63	125	250	500	1k	2k	4k	8k	Lin
Sound power LW (dB)	72	73	81	74	72	69	66	63	83
Sound power LWA (dB)	46	57	72	71	72	70	67	62	77
Attenuation (dB)	18	18	18	18	18	18	18	18	
Sound pressure Lp (dB)	54	55	63	56	54	51	48	45	65
Sound pressure LpA (dB)	28	39	54	53	54	52	49	44	60

AW 500/ EM35 (1500rpm)

AW500/DM500 (1500rpm)

Octave band (Hz)	63	125	250	500	1k	2k	4k	8k	Lin
Sound power LW (dB)	77	78	86	79	77	74	71	68	88
Sound power LWA (dB)	51	62	77	76	77	75	72	67	82
Attenuation (dB)	18	18	18	18	18	18	18	18	
Sound pressure Lp (dB)	59	60	68	61	59	56	53	50	70
Sound pressure LpA (dB)	33	44	59	58	59	57	54	49	65

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AW 560/ EM850 (1350rpm)

Octave band (Hz)	63	125	250	500	1k	2k	4k	8k	Lin
Sound power LW (dB)	76	83	79	78	76	73	70	67	86
Sound power LWA (dB)	50	67	70	75	76	74	71	66	81
Attenuation (dB)	18	18	18	18	18	18	18	18	
Sound pressure Lp (dB)	58	65	61	60	58	55	52	49	69
Sound pressure LpA (dB)	32	49	52	57	58	56	53	48	63

AW 560/ DM850 (1500rpm)

Octave band (Hz)	63	125	250	500	1k	2k	4k	8k	Lin
Sound power LW (dB)	79	80	88	81	79	76	73	70	90
Sound power LWA (dB)	53	64	79	78	79	77	74	69	84
Attenuation (dB)	18	18	18	18	18	18	18	18	
Sound pressure Lp (dB)	61	62	70	63	61	58	55	52	72
Sound pressure LpA (dB)	35	46	61	60	61	59	56	51	67

AW 630/ EM850 (1350rpm)

Octave band (Hz)	63	125	250	500	1k	2k	4k	8k	Lin
Sound power LW (dB)	80	87	83	82	80	77	74	71	90
Sound power LWA (dB)	54	71	74	79	80	78	75	70	85
Attenuation (dB)	18	18	18	18	18	18	18	18	
Sound pressure Lp (dB)	62	69	65	64	62	59	56	53	73
Sound pressure LpA (dB)	36	53	56	61	62	60	57	52	67

AW 630/ DM850 (1500rpm)

AW 630/ DM1 (1500rpm)

Octave band (Hz)	63	125	250	500	1k	2k	4k	8k	Lin
Sound power LW (dB)	82	83	91	84	82	79	76	73	93
Sound power LWA (dB)	56	67	82	81	82	80	77	72	87
Attenuation (dB)	18	18	18	18	18	18	18	18	
Sound pressure Lp (dB)	64	65	73	66	64	61	58	55	75
Sound pressure LpA (dB)	38	49	64	63	64	62	59	54	70