

## Sound data for FISCHBACH Axial-Fan AW...

The sound values are to be regarded as a guideline!

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 or structure-born noise.

The attenuation is dependent on the number of reflectors.

### AW 315/ E15

sound power level Lw in [dB] at mid frequency in (Hz) / distance to sound source 3 m									LwA [dB(A)]
octave band [Hz]	63	125	250	500	1000	2000	4000	8000	total 45-11200
sound power LW [dB]	70	71	79	72	70	67	64	61	81
sound power LWA [dB]	44	55	70	69	70	68	65	60	75
attenuation [dB]	18	18	18	18	18	18	18	18	-
sound pressure Lp [dB]	52	53	61	64	62	49	46	43	63
sound pressure LpA [dB]	26	37	52	51	52	50	47	42	58

### AW 350/ E15

sound power level Lw in [dB] at mid frequency in (Hz) / distance to sound source 3 m									LwA [dB(A)]
octave band [Hz]	63	125	250	500	1000	2000	4000	8000	total 45-11200
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 420/ E15

sound power level Lw in [dB] at mid frequency in (Hz) / distance to sound source 3 m									LwA [dB(A)]
octave band [Hz]	63	125	250	500	1000	2000	4000	8000	total 45-11200
sound power LW [dB]	74	81	77	76	74	71	68	65	84
sound power LWA [dB]	48	65	68	73	74	72	69	64	79
attenuation [dB]	18	18	18	18	18	18	18	18	-
sound pressure Lp [dB]	56	63	59	58	56	53	50	47	67
sound pressure LpA [dB]	30	47	50	55	56	54	51	46	61

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### AW 500/ E35

sound power level Lw in [dB] at mid frequency in (Hz) / distance to sound source 3 m									LwA [dB(A)]
octave band [Hz]	63	125	250	500	1000	2000	4000	8000	total 45-11200
sound power LW [dB]	77	84	80	79	77	74	71	68	87
sound power LWA [dB]	51	58	71	76	77	75	72	67	82
attenuation [dB]	18	18	18	18	18	18	18	18	-
sound pressure Lp [dB]	59	66	62	61	59	56	53	50	70
sound pressure LpA [dB]	33	50	53	58	59	57	54	49	64

### AW 560/ E35

sound power level Lw in [dB] at mid frequency in (Hz) / distance to sound source 3 m									LwA [dB(A)]
octave band [Hz]	63	125	250	500	1000	2000	4000	8000	total 45-11200
sound power LW [dB]	78	85	81	80	78	75	72	69	88
sound power LWA [dB]	52	69	72	77	78	76	73	68	83
attenuation [dB]	18	18	18	18	18	18	18	18	-
sound pressure Lp [dB]	60	67	63	62	60	57	54	51	71
sound pressure LpA [dB]	34	51	54	59	60	58	55	50	65

### AW 630/ D 850

sound power level Lw in [dB] at mid frequency in (Hz) / distance to sound source 3 m									LwA [dB(A)]
octave band [Hz]	63	125	250	500	1000	2000	4000	8000	total 45-11200
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