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Sound emission

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Project: **227741 -**

Order #:

Proj. descr.: WBC / Appeldoorn

Unit: Kelder - AT4-F 28x20/28x20 - Interior

Type: AT4-F 28x20/28x20 - Interior

Pos.: **1**

GS-pos.: **Aircloud**

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Quotation

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Aircloud

Exhaust air		Volume flow: 15.000 m ³ /h					tpd: 556 Pa			
Octave:	63	125	250	500	1000	2000	4000	8000	sum P.	Unit

Outlet: sound power level in outlet cross section.

Lw4	79,1	64,1	53,7	52,3	46,0	48,1	49,9	47,7	79,3	dB
LwA4	52,9	48,0	45,1	49,1	46,0	49,3	50,9	46,6	58,2	dB(A)

Intake: sound power level in the inlet cross section.

Lw3	74,9	60,1	47,7	43,5	39,3	39,0	42,3	43,6	75,1	dB
LwA3	48,7	44,0	39,1	40,3	39,3	40,2	43,3	42,5	52,5	dB(A)

Unit: sound power level emitted by the unit walls without opening, measured and calculated in accordance with EN 1886/EN ISO 3744 including the sound-absorbing rate De.

Lw2	74,0	60,5	56,0	46,5	43,6	37,9	33,8	31,6	74,3	dB
LwA2	47,8	44,4	47,4	43,3	43,6	39,1	34,8	30,5	53,0	dB(A)

Supply air		Volume flow: 20.000 m ³ /h					tpd: 786 Pa			
Octave:	63	125	250	500	1000	2000	4000	8000	sum P.	Unit

Outlet: sound power level in outlet cross section.

Lw4	76,0	77,0	60,0	55,0	52,0	55,0	59,0	55,0	79,7	dB
LwA4	49,8	60,9	51,4	51,8	52,0	56,2	60,0	53,9	65,4	dB(A)

Intake: sound power level in the inlet cross section.

Lw3	78,0	80,5	73,5	68,5	63,0	51,5	50,0	31,0	83,2	dB
LwA3	51,8	64,4	64,9	65,3	63,0	52,7	51,0	29,9	70,7	dB(A)

Unit: sound power level emitted by the unit walls without opening, measured and calculated in accordance with EN 1886/EN ISO 3744 including the sound-absorbing rate De.

Lw2	72,0	72,7	63,0	50,3	47,5	40,1	38,2	30,5	75,6	dB
LwA2	45,8	56,6	54,4	47,1	47,5	41,3	39,2	29,4	59,5	dB(A)

Sum

Unit: sound power level emitted by the unit walls without opening, measured and calculated in accordance with EN 1886/EN ISO 3744 including the sound-absorbing rate De.

LwSum	76,1	73,0	63,8	51,8	49,0	42,1	39,5	34,1	78,0	dB
LwASum	49,9	56,9	55,2	48,6	49,0	43,3	40,5	33,0	60,4	dB(A)