

CONSTANT AIR VOLUME CONTROL DAMPER

Rectangular CAV-Performance Data

Technical data

Nominal sizes	200 × 100 – 600 × 600 mm
Volume flow rate range	39 – 3500 l/s or 140 – 12600 m³/h
Volume flow rate control range	Approx. 25 to 100 % of the nominal volume flow rate
Scale accuracy	± 4 %
Minimum differential pressure	50 Pa
Maximum differential pressure	1000 Pa
Operating temperature	10 to 50 °C

Sound pressure level at differential pressure 150 Pa

NS	qv [l/s]	qv [m³/h]	①	②
			Air-regenerated noise [dB(A)]	
200 × 100	39	140	40	23
	68	246	44	29
	104	376	47	34
	164	590	50	38
300 × 100	65	234	41	26
	137	492	47	35
	199	716	48	38
	260	936	49	40
300 × 150	82	295	43	26
	152	547	47	32
	294	1059	49	36
	460	1656	50	38
300 × 200	120	432	44	29
	197	710	47	33
	349	1257	49	37
	515	1854	51	39
400 × 200	200	720	45	30
	337	1213	47	33
	585	2106	50	37
	875	3150	53	40
500 × 200	180	648	47	29
	271	977	48	30
	554	1995	49	33
	900	3240	50	36
600 × 200	225	810	48	28
	381	1370	48	29
	689	2480	48	32
	1010	3636	49	33
400 × 250	200	720	44	28
	333	1198	46	30
	537	1932	48	33
	885	3186	49	36
500 × 250	235	846	47	28
	460	1655	47	30
	815	2932	47	32
	1190	4284	47	34
600 × 250	300	1080	47	29
	499	1795	47	30
	897	3231	47	32
	1310	4716	47	34

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Revision:

Date: 01/01/2019

Submitted by:

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NS	qv [l/s]	qv [m³/h]	①	②
			Air-regenerated noise [dB(A)]	
400 x 300	310	1116	44	29
	553	1992	47	33
	902	3249	50	36
	1280	4608	52	39
500 x 300	365	1314	47	30
	535	1928	48	31
	998	3593	48	33
	1580	5688	49	35
600 x 300	350	1260	47	29
	669	2409	47	30
	1137	4094	47	32
	1750	6300	47	34
400 x 400	400	1440	45	29
	674	2425	47	33
	1170	4212	50	37
	1750	6300	53	40
500 x 400	360	1296	47	28
	715	2574	48	31
	1330	4787	49	34
	1800	6480	50	36
600 x 400	450	1620	48	28
	958	3448	48	30
	1595	5741	48	32
	2020	7272	49	33
500 x 500	470	1692	47	28
	1143	4113	47	31
	1882	6776	47	33
	2380	8568	47	34
600 x 500	600	2160	47	29
	1246	4487	47	31
	2084	7503	47	32
	2620	9432	47	34
600 x 600	700	2520	47	29
	1948	7014	47	31
	2921	10517	47	33
	3500	12600	47	34

1- CAV

2- CAV with silencer, length 500mm

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