

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

RRC

The **RRC** damper is an adjustable constant air volume flow which can be installed horizontally or vertically for air supply and air exhaust.

Its adjustable mechanical regulation device compensates the forces created by the air flow in order to obtain a constant air volume.

An adjustment screw as well as indications on the casing allow to set the requested air flow.

The adjustable constant air volume flow damper **RRC** has a rectangular shaped casing, a control blade and an adjustable mechanical regulation device. The precision is +/- 10%.



CHARACTERISTICS

Nominal size	from 200 x 100 to 600 x 600
Length	L = 350
Thickness according to EN 1751	Class C casing
Air flow range	194 / 10 497 m ³ /h (according to dimensions)
Accuracy	+/- 10 %
Flow rate adjustment	Manual <i>Options : actuator On/Off ; actuator modulating 0-10V</i>
Option	Isolated casing

OPERATING CONDITIONS

The adjustable constant air volume flow damper RRC operating is achieved in the following conditions :

- a) maximum air velocity of 10 m/s
- b) maximum pressure in the casing of 1000 Pa
- c) laminar air flow diffusion on the all section

The adjustable constant air volume flow damper RRC is designed for warm climatic conditions. The air in ductworks must not be abrasive, contains chemical substances and adhesive particules.

The operating temperature is from 0°C to +70°C.

DESIGN

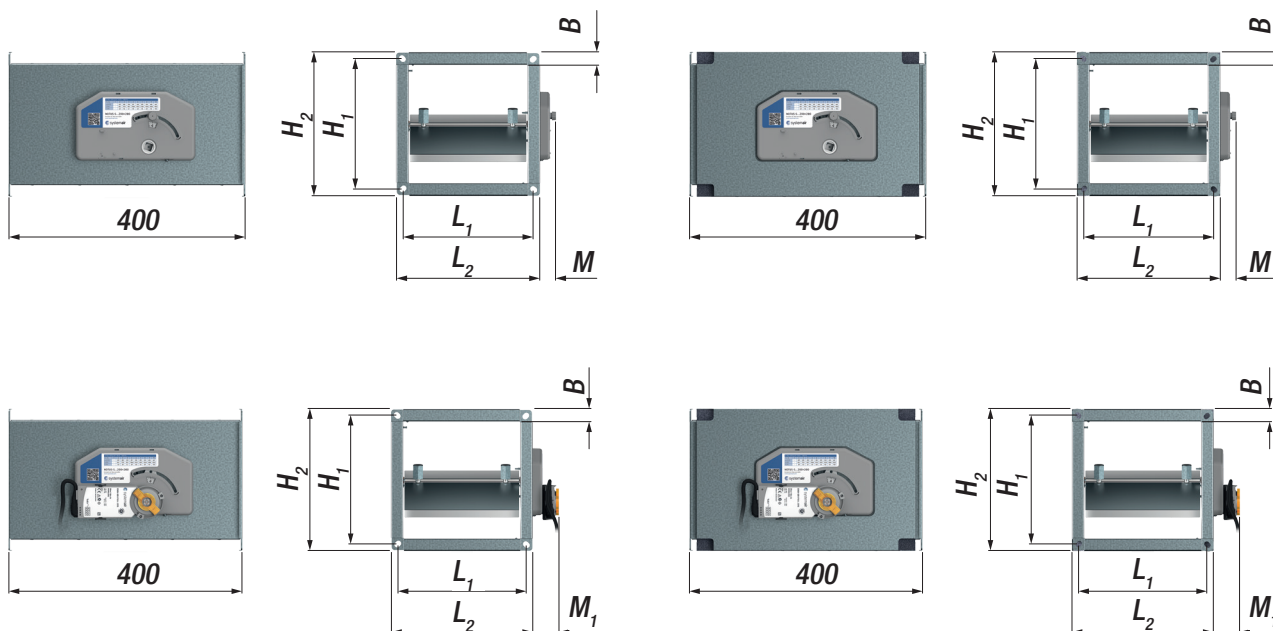
The adjustable constant air volume flow damper RRC includes a galvanized steel casing, a control blade, plastic bearings and an adjustable mechanical regulation device. The adjustable mechanical regulation device is achieved by a steel spring and a absorber.

The adjustable constant air volume flow damper RRC can also be supplied with an actuator.



ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR RRC

DIMENSIONS

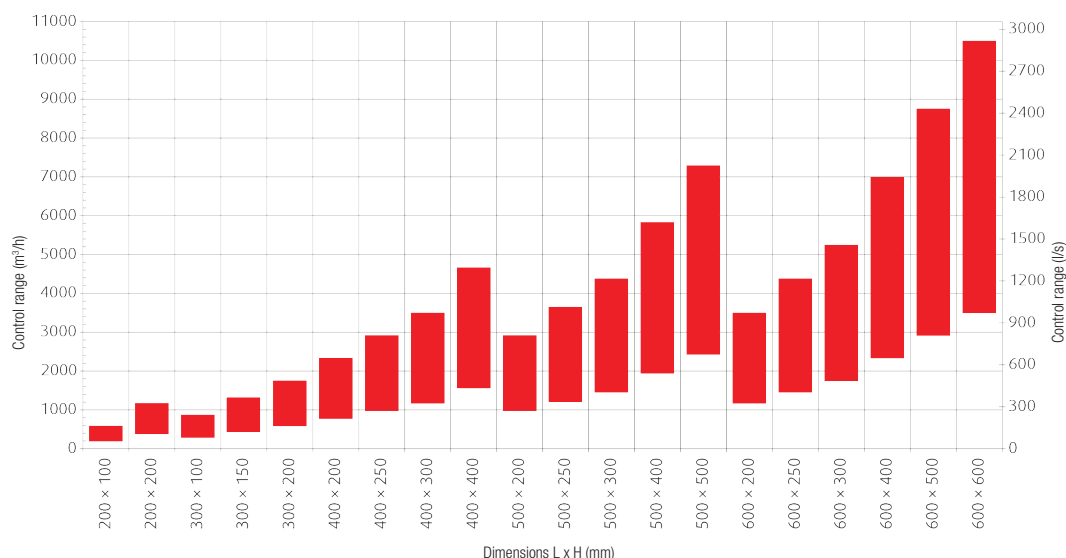


L x H mm	L ₁	L ₂	H ₂	H ₁	B	M	M ₁
200 × 100	219	243	143	119	21,5	25	45
200 × 200			243	219			
300 × 100	319	343	143	119	21,5	25	45
300 × 150			193	169		30	89
300 × 200	419	443	243	219	21,5	30	89
400 × 200			293	269			
400 × 250			343	319		65	89
400 × 300			443	419			
400 × 400	519	543	243	219	21,5	30	89
500 × 200			293	269			
500 × 250			343	319			
500 × 300			443	419		65	-
500 × 400			543	519			
500 × 500	619	643	243	219	21,5	30	89
600 × 200			293	269			
600 × 250			343	319			
600 × 300			443	419		65	-
600 × 400			543	519			
600 × 500			643	619			
600 × 600							

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TECHNICAL DATA



NOISE LEVEL

The generated sound level by the le régulateur est indiqué dans les tableaux suivants.

Legend

p_s	Pa	Pressure drop
q_v	m³/h	Air flow volume
L_{WA}	dB(A)	A-weighted total discharged sound power level
L_W	dB	Non-weighted total discharged sound power level

RRC : L 200 x H 100

Air flow	P_s	L_{WA}	L_W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
194	100	44.9	50.9	45	45	44	42	39	39	34	28
	250	51.9	56.0	48	49	50	48	45	45	44	42
	500	58.2	60.8	50	52	53	52	50	50	52	53
	750	62.6	64.4	52	54	56	55	52	53	56	59
	1000	66.0	67.5	53	56	58	57	54	55	60	64
360	100	50.3	56.9	51	51	50	47	45	43	38	34
	250	57.4	62.5	55	56	57	55	51	49	47	45
	500	63.1	67.3	57	59	62	60	56	54	54	55
	750	66.7	70.4	59	62	65	64	59	57	58	60
	1000	69.3	72.7	60	63	67	66	61	59	61	64
525	100	54.3	60.0	54	54	53	51	49	47	44	40
	250	61.2	67.7	57	59	60	59	55	53	51	49
	500	66.5	70.5	60	62	65	64	60	58	57	57
	750	69.7	73.4	62	64	68	67	63	60	60	61
	1000	72.0	75.6	63	66	71	70	65	62	63	64

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

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RRC : L 200 x H 200

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
389	100	49.1	58.9	56	53	47	46	44	42	34	28
	250	58.3	65.1	59	60	58	56	53	50	45	43
	500	65.7	71.6	62	66	67	64	59	56	54	54
	750	70.3	75.9	63	69	72	69	63	59	59	61
	1000	73.6	79.2	64	71	76	72	65	62	63	65
778	100	50.6	57.9	55	52	47	47	45	45	37	31
	250	60.2	66.7	60	62	60	58	54	53	48	45
	500	67.9	74.5	64	70	69	65	61	59	57	55
	750	72.6	79.3	67	75	75	70	65	63	62	61
	1000	76.0	82.9	68	78	79	74	68	66	65	65
1166	100	54.2	62.4	59	57	52	52	47	48	43	40
	250	62.9	69.9	63	66	62	60	56	56	53	50
	500	69.6	76.3	67	73	70	66	62	63	60	58
	750	73.6	80.3	70	77	75	70	66	66	64	62
	1000	76.4	83.2	71	80	78	72	68	69	67	65

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 300 x H 100

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
292	100	45.9	52.7	47	46	47	43	40	38	33	29
	250	53.5	58.4	51	52	53	50	47	46	44	43
	500	60.2	63.5	54	55	57	55	52	52	53	54
	750	64.7	67.1	55	58	60	58	55	55	58	61
	1000	68.1	70.1	56	59	62	61	57	58	62	65
539	100	51.6	58.9	54	53	52	49	46	43	39	34
	250	59.1	64.6	56	58	59	57	53	50	48	46
	500	65.0	69.6	59	62	65	63	58	56	55	55
	750	68.6	72.7	60	64	68	67	62	59	59	61
	1000	71.2	75.0	61	66	70	69	64	61	62	64
787	100	54.3	61.2	56	56	54	52	48	46	43	38
	250	61.9	67.1	59	61	61	60	56	53	51	49
	500	67.8	72.2	61	65	67	66	62	58	57	57
	750	71.3	75.3	63	67	70	70	65	62	61	62
	1000	73.8	77.7	64	68	73	72	68	64	63	65

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

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RRC : L 300 x H 150

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m ³ /h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
437	100	46.2	56.1	52	51	49	45	39	36	30	26
	250	54.1	61.0	54	55	56	53	47	44	43	41
	500	60.7	65.6	57	58	61	59	53	51	52	52
	750	65.1	68.8	58	60	64	62	56	55	58	59
	1000	68.4	71.4	59	61	66	64	59	58	62	64
875	100	50.9	60.7	57	56	50	48	46	43	37	32
	250	59.4	66.6	60	62	60	58	54	50	47	44
	500	66.2	72.2	63	66	67	65	60	56	54	53
	750	70.3	75.9	65	69	72	69	63	59	59	59
	1000	73.2	78.6	66	70	75	72	66	62	62	62
1312	100	54.1	62.9	60	58	52	50	48	48	42	37
	250	62.3	68.9	63	63	62	60	56	54	50	47
	500	69.0	74.8	66	68	70	68	62	59	57	55
	750	73.0	78.7	68	71	75	72	66	62	61	60
	1000	75.9	81.5	69	73	78	76	68	64	63	63

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 300 x H 200

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m ³ /h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
583	100	46,6	58,2	55	53	48	44	39	38	34	32
	250	56,0	62,9	57	58	57	53	48	47	47	46
	500	63,8	68,4	58	62	64	60	55	54	56	57
	750	68,7	72,4	59	64	68	65	59	58	62	64
	1000	72,3	75,4	60	65	71	67	62	60	66	68
1166	100	50,8	59,9	57	54	48	45	45	45	39	35
	250	60,2	67,3	61	63	60	57	53	52	49	48
	500	68,0	74,5	64	70	70	66	60	58	57	58
	750	72,8	79,2	66	74	75	72	64	61	62	63
	1000	76,3	82,6	68	77	79	75	67	63	65	67
1750	100	55,8	65,7	64	59	53	51	49	50	45	43
	250	63,5	70,9	65	66	63	60	56	57	54	53
	500	69,8	76,5	68	72	71	67	61	61	60	60
	750	73,5	80,2	69	76	75	71	65	64	64	65
	1000	76,3	82,9	70	78	79	74	67	66	67	68

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

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RRC : L 400 x H 200

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
778	100	46,4	58,1	54	54	48	44	39	37	32	29
	250	57,2	65,1	59	61	59	56	50	47	45	43
	500	65,6	71,7	62	66	67	64	58	55	54	54
	750	70,7	76,0	64	69	72	69	63	60	60	61
	1000	74,3	79,3	66	71	76	73	67	64	64	65
1555	100	51,6	60,5	58	55	50	47	45	46	40	36
	250	61,3	68,8	63	64	62	59	54	54	50	48
	500	69,2	76,3	67	72	71	68	61	59	57	57
	750	74,0	80,9	69	76	77	73	65	63	62	62
	1000	77,4	84,4	71	79	81	76	68	65	65	66
2333	100	56,9	68,2	66	62	55	53	50	51	45	43
	250	64,4	72,9	68	68	65	61	56	57	54	52
	500	70,4	77,9	70	74	72	68	62	62	61	59
	750	74,1	81,3	72	77	77	72	65	65	64	63
	1000	76,7	83,8	73	79	80	74	67	67	67	66

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 400 x H 250

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
972	100	48,2	59,1	56	55	47	45	42	40	34	28
	250	58,8	65,9	60	61	59	57	53	50	47	43
	500	67,1	72,7	62	67	68	65	60	58	57	54
	750	72,1	77,2	64	70	73	70	65	62	62	61
	1000	75,8	80,5	65	72	77	74	68	65	66	66
1944	100	53,5	60,4	57	55	49	49	49	47	40	32
	250	62,4	68,9	62	64	62	59	57	55	51	46
	500	69,7	76,4	67	72	71	67	62	61	60	57
	750	74,3	81,1	69	77	77	72	66	65	64	63
	1000	77,7	84,5	71	80	81	75	68	67	68	67
2916	100	58,3	67,2	65	61	56	55	53	52	46	41
	250	65,8	73,2	69	68	65	62	60	59	55	51
	500	71,5	78,5	72	74	71	68	65	65	62	58
	750	75,0	81,8	75	78	75	71	68	68	66	62
	1000	77,5	84,2	76	80	78	73	70	70	69	66

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

RRC

RRC : L 400 x H 300

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
1166	100	49,1	58,2	55	53	47	46	44	42	35	30
	250	59,6	66,1	59	61	60	58	53	51	47	44
	500	68,0	73,6	62	67	69	66	61	59	57	55
	750	72,9	78,4	65	71	75	72	65	63	62	61
	1000	76,6	82,0	66	74	79	75	68	66	66	66
2333	100	56,3	63,4	60	58	53	52	52	50	43	37
	250	64,0	70,9	65	67	63	61	58	57	53	49
	500	70,3	77,3	69	73	71	68	63	62	60	57
	750	74,1	81,3	72	77	76	72	66	65	64	62
	1000	76,9	84,2	74	80	79	75	68	67	67	66
3499	100	62,9	71,3	68	65	60	59	57	56	52	50
	250	68,7	75,8	71	71	67	65	62	62	59	56
	500	73,2	79,7	73	75	72	70	66	66	63	61
	750	75,9	82,1	74	78	75	73	69	68	66	64
	1000	77,8	83,9	75	80	78	75	70	70	68	66

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 400 x H 400

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
1555	100	54,4	62,1	58	56	55	52	49	46	40	35
	250	63,4	68,5	61	62	63	60	58	56	52	50
	500	70,5	74,3	63	66	69	67	64	63	61	60
	750	74,9	78,0	64	69	73	70	68	67	67	67
	1000	78,1	80,8	65	71	76	73	71	70	70	71
3110	100	58,2	64,0	60	57	55	56	53	51	45	40
	250	67,6	72,4	64	66	67	66	62	60	56	53
	500	75,0	79,8	68	73	75	73	68	66	64	63
	750	79,5	84,3	70	77	81	77	72	70	69	69
	1000	82,6	87,7	72	80	84	80	75	73	73	73
4666	100	63,2	69,0	65	62	60	61	57	56	51	46
	250	70,5	75,2	68	69	68	68	64	63	60	57
	500	76,3	80,6	70	75	75	73	70	69	67	65
	750	79,7	84,0	71	78	79	76	73	72	71	69
	1000	82,2	86,5	72	81	81	78	76	74	74	73

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

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RRC : L 500 x H 200

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
972	100	48,2	60,8	57	57	50	46	40	38	32	27
	250	58,3	66,4	60	62	60	57	51	49	45	42
	500	66,5	72,3	62	66	68	65	59	57	55	54
	750	71,5	76,3	64	68	72	70	64	62	61	62
	1000	75,1	79,4	65	70	76	73	67	65	65	67
1944	100	53,1	63,4	60	59	51	50	47	47	39	33
	250	62,7	70,6	65	66	63	61	55	54	50	46
	500	70,4	77,4	68	72	72	70	62	60	58	56
	750	75,1	81,8	71	76	78	75	66	64	63	62
	1000	78,6	85,1	72	79	82	78	69	67	66	67
2916	100	60,3	70,2	67	66	59	58	53	53	48	44
	250	66,8	75,3	70	71	67	65	59	59	55	53
	500	71,9	79,6	73	75	73	71	64	63	61	59
	750	75,0	82,3	75	77	77	74	66	66	64	63
	1000	77,3	84,2	76	79	79	76	68	68	66	66

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 500 x H 250

Débit	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
1215	100	46,1	59,3	57	54	46	42	40	38	32	27
	250	58,0	65,2	59	60	59	56	51	49	46	43
	500	67,6	73,1	60	66	69	66	60	58	56	55
	750	73,3	78,5	60	70	75	72	65	62	62	62
	1000	77,5	82,5	61	73	80	76	69	66	66	67
2430	100	52,4	60,4	57	55	51	49	47	46	39	33
	250	61,8	69,0	63	64	62	59	55	54	50	47
	500	69,3	76,3	68	72	71	67	61	61	59	57
	750	73,8	80,8	71	76	76	71	65	65	64	63
	1000	77,1	84,1	73	79	80	74	67	68	67	68
3645	100	58,1	66,6	64	60	57	56	52	51	46	41
	250	65,9	72,8	68	67	65	64	59	58	55	52
	500	71,8	77,8	72	72	71	69	65	64	62	59
	750	75,3	80,9	74	75	75	73	68	68	66	64
	1000	77,8	83,2	75	77	77	75	70	70	69	67

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

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RRC : L 500 x H 300

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
1458	100	45,8	56,2	53	52	46	42	40	38	33	29
	250	57,8	64,6	58	60	58	55	51	50	47	45
	500	67,2	72,4	63	66	68	65	60	58	58	57
	750	72,9	77,5	65	70	73	71	65	63	64	64
	1000	76,9	81,2	67	73	77	75	69	67	68	68
2916	100	52,2	59,6	56	54	50	48	48	45	40	34
	250	61,3	68,0	61	64	61	58	55	54	51	47
	500	68,7	75,3	66	71	70	66	60	60	59	58
	750	73,2	79,8	68	75	75	71	64	64	64	64
	1000	76,5	83,2	70	79	79	74	66	66	68	68
4374	100	57,3	65,8	62	61	56	54	52	50	45	40
	250	64,9	71,7	66	67	64	62	59	57	55	51
	500	70,8	76,7	69	72	70	68	64	63	62	60
	750	74,4	79,8	71	75	74	71	67	66	66	65
	1000	77,0	82,1	72	77	76	74	69	69	69	68

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 500 x H 400

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
1944	100	57,3	65,3	61	60	58	56	51	49	42	38
	250	65,0	70,7	63	65	65	62	59	57	53	51
	500	71,1	75,5	64	69	71	68	65	63	61	61
	750	74,9	78,6	65	71	74	71	69	67	66	66
	1000	77,7	80,9	66	73	76	73	71	70	70	71
3888	100	59,0	65,2	60	59	57	58	53	51	44	39
	250	68,5	73,5	65	66	68	67	62	60	55	52
	500	75,8	80,6	68	73	76	74	69	67	64	63
	750	80,1	84,9	70	76	81	79	73	70	69	69
	1000	83,3	88,0	72	79	85	82	76	73	72	73
5832	100	63,0	69,2	65	63	59	61	57	57	50	45
	250	70,4	75,4	68	70	69	68	64	63	59	56
	500	76,1	81,0	70	75	76	74	70	68	66	64
	750	79,6	84,4	72	78	80	77	73	71	70	69
	1000	82,1	87,0	73	80	83	79	75	73	72	72

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

RRC

RRC : L 500 x H 500

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
2430	100	58,8	64,1	58	56	56	59	53	49	43	39
	250	69,7	73,3	63	64	66	69	64	60	55	53
	500	78,0	81,0	67	70	74	77	73	68	65	64
	750	82,9	85,6	70	74	79	82	78	73	70	70
	1000	86,4	88,9	72	77	82	85	81	77	74	74
4860	100	59,1	64,5	59	56	55	59	54	50	44	41
	250	69,3	73,2	64	65	66	68	64	61	56	54
	500	77,2	80,5	68	72	74	75	72	69	65	64
	750	81,9	85,0	70	76	79	79	77	74	71	70
	1000	85,3	88,2	72	79	83	82	80	77	75	74
7290	100	61,6	66,9	61	59	58	61	56	53	46	43
	250	70,5	74,5	66	67	67	69	65	62	58	55
	500	77,5	80,8	70	73	74	75	72	69	66	65
	750	81,6	84,6	72	77	78	78	77	74	71	71
	1000	84,6	87,5	73	80	81	81	80	77	75	75

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 600 x H 200

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
1166	100	48,0	60,9	58	56	49	46	41	39	33	28
	250	58,4	66,3	60	62	60	56	52	49	46	43
	500	66,7	72,6	62	67	68	65	60	57	55	54
	750	71,6	76,9	63	70	73	69	64	62	61	60
	1000	75,1	80,1	63	72	77	73	67	65	65	65
2333	100	51,7	62,8	60	58	51	48	45	45	39	33
	250	61,8	70,4	65	66	63	59	54	53	50	46
	500	69,8	77,5	68	73	73	68	61	60	58	55
	750	74,7	82,1	70	77	78	74	66	63	62	61
	1000	78,2	85,4	72	80	82	77	69	66	66	65
3499	100	58,2	69,7	66	66	59	54	50	51	46	42
	250	65,4	74,8	69	71	67	62	57	58	54	51
	500	71,1	79,4	72	76	74	69	62	62	60	57
	750	74,5	82,4	73	78	77	72	65	65	64	61
	1000	76,9	84,6	74	80	80	75	68	67	66	64

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

RRC

RRC : L 600 x H 250

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m ³ /h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
1458	100	47,9	59,6	56	55	48	45	41	41	36	30
	250	59,9	66,8	60	62	60	58	53	51	49	46
	500	69,3	74,5	63	68	70	68	62	60	59	58
	750	75,0	79,7	64	72	76	74	67	64	65	65
	1000	79,0	83,5	65	75	80	78	71	68	69	70
2916	100	53,8	62,3	59	58	52	50	48	48	42	36
	250	63,2	70,2	63	66	63	60	56	56	52	49
	500	70,6	77,2	67	73	72	68	62	62	60	59
	750	75,1	81,6	69	77	77	73	66	66	65	65
	1000	78,3	84,8	71	80	81	76	68	68	68	69
4374	100	59,9	68,9	65	64	60	57	53	53	49	45
	250	67,5	74,4	68	70	67	65	60	60	57	55
	500	73,5	79,3	70	74	73	71	66	65	64	62
	750	77,0	82,3	72	77	77	75	69	69	68	67
	1000	79,5	84,5	73	79	80	77	71	71	70	70

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 600 x H 300

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m ³ /h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
1750	100	47,0	57,3	54	53	47	44	41	40	34	30
	250	58,3	64,4	57	59	58	56	52	51	48	45
	500	67,2	71,6	60	65	67	65	60	59	58	57
	750	72,5	76,4	61	68	71	71	65	64	63	63
	1000	76,3	79,9	63	71	75	74	68	67	68	68
3499	100	55,9	64,0	60	59	55	53	51	49	43	38
	250	64,1	70,3	63	65	64	61	58	57	53	50
	500	70,6	75,9	66	70	71	68	63	63	61	60
	750	74,6	79,4	68	73	75	71	66	66	66	65
	1000	77,4	82,0	69	76	77	74	68	69	69	69
5249	100	61,7	69,1	65	63	61	59	56	54	50	46
	250	67,5	73,4	68	67	67	64	61	60	57	54
	500	72,0	76,9	70	70	71	69	65	65	63	60
	750	74,7	79,1	71	72	73	71	68	68	66	63
	1000	76,6	80,7	72	74	75	73	69	69	68	66

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR

RRC

RRC : L 600 x H 400

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
2333	100	60,4	65,3	60	57	57	60	56	51	45	41
	250	69,1	73,4	65	66	67	68	64	61	56	54
	500	75,9	79,8	70	72	74	74	70	68	65	63
	750	79,9	83,7	72	76	78	78	74	72	70	69
	1000	82,9	86,5	74	79	81	80	76	75	73	73
4666	100	62,2	67,6	64	60	56	61	57	55	48	45
	250	70,8	74,8	68	67	67	69	66	63	58	57
	500	77,5	81,0	71	73	74	75	72	69	66	65
	750	81,5	84,9	73	76	79	79	76	73	71	70
	1000	84,3	87,7	74	79	82	82	79	76	74	74
6998	100	68,1	72,3	66	66	63	66	63	61	55	52
	250	74,2	77,8	69	70	70	72	69	66	62	61
	500	79,0	82,3	71	74	75	77	74	71	68	67
	750	81,8	85,0	73	76	78	80	76	74	71	71
	1000	83,8	86,9	74	78	81	82	78	75	73	74

Discharged sound power levels depending on duct static pressure and air flow volume

RRC : L 600 x H 500

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
2916	100	59,5	64,7	59	56	57	59	54	50	44	41
	250	70,1	73,2	62	62	66	70	65	60	57	54
	500	78,2	80,7	65	67	72	78	73	69	66	65
	750	83,0	85,2	66	70	76	82	78	74	71	71
	1000	86,4	88,5	67	72	79	85	81	77	75	75
5832	100	60,0	65,0	59	57	57	60	54	51	45	42
	250	70,0	73,7	63	65	67	69	64	62	57	55
	500	77,8	81,0	67	71	76	76	72	70	66	65
	750	82,5	85,5	68	75	81	80	77	74	72	71
	1000	85,8	88,8	70	78	84	83	80	77	76	75
8748	100	62,0	66,8	60	58	59	62	56	53	47	44
	250	70,9	74,2	64	65	67	70	65	63	58	56
	500	77,8	80,4	66	71	73	75	73	70	67	66
	750	82,0	84,3	68	74	77	79	77	74	72	71
	1000	85,1	87,2	69	77	80	81	80	77	75	75

Discharged sound power levels depending on duct static pressure and air flow volume

ADJUSTABLE CONSTANT AIR VOLUME DAMPER RECTANGULAR RRC

RRC : L 600 x H 600

Air flow	P _s	L _{WA}	L _W	Non-weighted total discharged sound power level							
m³/h	Pa	dB (A)	dB	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
3499	100	58,4	64,0	58	56	56	59	52	48	42	37
	250	67,3	71,6	63	64	65	66	62	58	54	51
	500	74,4	77,9	67	70	72	72	69	66	64	61
	750	78,7	81,7	69	73	76	75	73	71	69	68
	1000	81,9	84,6	71	76	79	78	76	74	73	72
6998	100	59,7	65,4	60	58	58	59	54	50	43	38
	250	68,5	72,7	64	65	66	67	63	60	55	52
	500	75,5	78,8	67	71	72	73	70	68	64	62
	750	79,6	82,5	69	74	76	77	74	73	69	67
	1000	82,7	85,2	70	76	79	79	77	76	73	72
10498	100	60,0	65,8	61	58	58	60	54	50	44	38
	250	69,4	73,3	64	65	67	68	64	61	56	52
	500	76,8	79,8	67	70	74	75	72	69	65	63
	750	81,2	83,7	68	74	78	78	76	73	70	69
	1000	84,3	86,7	69	76	80	81	79	77	74	73

Discharged sound power levels depending on duct static pressure and air flow volume