



RPMC-K 400x250 I - .01

Design - Manually controlled

Size:	400x250/350
Flow rate V:	1200 m ³ /h
Media speed w:	3.3 m/s
Pressure loss Δp_{cv} :	9 Pa
Sound power level LWA:	50 Pa: 27 dB(A) 100 Pa: 32 dB(A) 250 Pa: 40 dB(A) 500 Pa: 46 dB(A)
Weight:	10.77 kg
Effective damper's area S _{ef} :	0.1 m ²

Octave band sound power level LWA (inside the duct)

f [Hz]	63	125	250	500	1000	2000	4000	8000	LWA
L _{woct} [dB] at $\Delta p_{st} = 9 \text{ Pa}$	---	---	---	---	---	---	---	---	---
L _{woct} [dB] at $\Delta p_{st} = 50 \text{ Pa}$	45	44	41	41	39	42	42	39	48
L _{woct} [dB] at $\Delta p_{st} = 100 \text{ Pa}$	51	50	46	46	46	47	47	44	54
L _{woct} [dB] at $\Delta p_{st} = 250 \text{ Pa}$	60	59	55	55	55	56	56	53	63
L _{woct} [dB] at $\Delta p_{st} = 500 \text{ Pa}$	67	66	62	62	65	63	63	60	70

Description

Constant mechanical air volume controllers are meant for input or output air systems. Controllers can be installed in horizontal or vertical position with horizontal blade axis. The aerodynamic forces acting the list due to the flow are compensated by the control device adjusted according required flow. Mechanical controllers need not be connected to any external power source. Adjustment of required flow is simply performed by lever with a pointer and scale. The controller consists of the casing of the controller with a control blade and control device. Control device is placed inside of box with scale for adjustment of required flow. Accuracy of the scale is $\pm 5 \%$.

Characteristics

- For keeping and regulation of constant airflow volume in HVAC systems
- Dimensions from 200 x 100 mm to 600 x 600 mm
- Airflow volume from 250 to 12 000 m³/h
- Casing and actuating mechanism made of galvanized steel, leaf made of aluminium, leaf axe, bearings and spring made of austenitic steel