

PERFORMANCE DATA

Model: VAV-D

Free Face Area, Ak (m2)

HxL	200	300	400	500	600	700	800
100	0.02	0.03	0.04	0.05	0.06	0.07	0.08
150	0.03	0.05	0.06	0.08	0.09	0.11	0.12
200	0.04	0.06	0.08	0.1	0.12	0.14	0.16
250		0.08	0.10	0.13	0.15	0.18	0.2
300		0.09	0.12	0.15	0.18	0.21	0.25
400			0.16	0.20	0.24	0.28	0.32
500				0.25	0.3	0.35	0.40
600					0.36	0.42	0.48

Pressure Loss, ΔPt (Pa)

Damper Opened

Vk (m/s)	2	4	6	8
Δpt (Pa)	10	20	29	40

Technical selection

Sound pressure dB(A),

		100Pa		300Pa		500Pa	
DIM	Velocity	Ducted	Irradiated	Ducted	Irradiated	Ducted	Irradiated
LxH	Vk (m/s)	Lwa1 dB(A)	Lwa1 dB(A)	Lwa1 dB(A)	Lwa1 dB(A)	Lwa1 dB(A)	Lwa1 dB(A)
600 x 100	3	47	31	57	35	61	45
	5	49	35	60	37	64	48
	8	47	40	58	42	62	52
600 x 150	3	46	37	56	40	60	48
	5	48	39	59	41	63	54
	8	45	42	56	44	60	54
600 x 200	3	45	44	55	46	59	52
	5	47	44	58	46	62	55
	8	44	45	55	47	59	57
600x 250	3	47	39	57	41	61	49
	5	48	42	58	43	63	52
	8	45	45	56	47	60	57
600 x 300	3	49	35	59	36	63	46
	5	48	40	60	40	64	50
	8	46	45	57	46	61	56
600 x 400	3	46	36	56	37	60	47
	5	47	41	58	44	62	52
	8	44	48	55	47	59	57
600 x 500	3	44	36	54	37	58	47
	5	45	41	56	43	60	53
	8	43	51	54	48	58	58

Sound attenuation, dB/Oct

Hz	63	125	250	500	1000	2000	4000	8000
Duct	0	0	1	2	3	3	3	3
Room	5	5	5	5	5	5	5	5
Terminal reflection	10	5	2	0	0	0	0	0

Sound correction for L(mm), dB(A)

L(mm)	200	300	400	500	600	700	800
dB /octave	-3	-3	-3	-2	1	1	3