

5000, 5000HF Performance Data

IP/METRIC DATA: 5000, 5000HF

	IP Data							NC	Metric Data					
	Flow Rate	Ps	Velocity @ 6' Below Panel				Flow Rate		Ps	Velocity @ 1.8m Below Panel				
			5° FΔT	10° FΔT	15° FΔT	20° FΔT				3° CΔT	6° CΔT	8° CΔT	11° CΔT	
	CFM/ft ²	"WG	FPM	FPM	FPM	FPM	L/s/m ²		Pa	m/s	m/s	m/s	m/s	
Single Panel	10	0.008	20	25	30	35	<20	51	2.0	0.10	0.13	0.15	0.18	
	20	0.032	35	40	45	55	<20	101	8.0	0.18	0.20	0.23	0.28	
	30	0.072	50	60	70	80	21	152	17.9	0.25	0.30	0.36	0.41	
	40	0.128	65	80	95	105	25	203	31.9	0.33	0.41	0.48	0.53	
15-30 ft ² (1.5-3.0m ²)	10	0.008	20	30	30	35	<20	51	2.0	0.10	0.15	0.15	0.18	
	20	0.032	35	45	50	60	22	101	8.0	0.18	0.23	0.25	0.30	
	30	0.072	50	65	80	90	26	152	17.9	0.25	0.33	0.41	0.46	
	40	0.128	70	90	105	-	30	203	31.9	0.36	0.46	0.53	-	
Over 30 ft ² (<3m ²)	10	0.008	25	30	35	40	21	51	2.0	0.13	0.15	0.18	0.20	
	20	0.032	40	50	60	65	25	101	8.0	0.20	0.25	0.30	0.33	
	30	0.072	60	75	90	100	29	152	17.9	0.30	0.38	0.46	0.51	
	40	0.128	80	100	-	-	33	203	31.9	0.41	0.51	-	-	

NOTES: Data is based on a 24" x 48" 5000 with 12" inlet and full, open damper.

NC is based on a 10dB room attenuation sound power re 10⁻¹² Watts. Multiple panels will add to the sound level as follows:

NC CORRECTION CHART

ft ² of Panels	4	8	16	24	32	40	48	64	> 64
m ² of Panels	0.4	0.7	1.5	2.2	3.0	3.7	4.5	6.0	> 6
NC Correction	-3	0	3	5	6	7	8	9	10

5000 AVAILABLE PANEL SIZES

Panel ft ²	Panel Size
4	1' x 4'
4	2' x 2'
5	1' x 5'
6	1' x 6'
6	2' x 3'
8	2' x 4'
10	2' x 5'
10	2' x 6'
12	3' x 4'
15	3' x 5'
18	3' x 6'

5000HF AVAILABLE PANEL SIZES

Panel ft ²	Panel Size
4	2' x 2'
6	2' x 3'
8	2' x 4'

CRITICAL ROOM PRODUCTS