

**SERIES 4004P PERFORMANCE DATA**

MODELS 4004P, 4004SP, 4002PCF, 4004PCF

CFM	Size													
		10 x 3	12 x 3	10 x 4 14 x 3	16 x 3 12 x 4	18 x 3 14 x 4	10 x 6 20 x 3	16 x 4	24 x 3 12 x 6 18 x 4	14 x 6 20 x 4	16 x 6 24 x 4 30 x 3	14 x 8 18 x 6 36 x 3	16 x 8 20 x 6 30 x 4	24 x 6 18 x 8 36 x 4
50	Velocity	225												
	Ps	.006												
	Throw	11-8-6												
100	Velocity	450	400	360	300	260	240	225	200					
	Ps	.025	.020	.016	.011	.008	.007	.006	.005					
	Throw	18-13-10	17-13-10	16-12-19	15-11-9	14-10-9	14-10-8	14-10-8	13-10-7					
150	Velocity	675	600	540	450	400	360	340	300	270	225			
	Ps	.056	.048	.036	.025	.020	.016	.014	.011	.009	.001			
	Throw	23-17-13	22-16-12	22-15-12	20-14-11	19-14-10	19-13-10	19-13-10	18-13-10	17-12-9	16-11-9			
200	Velocity	900	800	720	600	530	480	450	400	360	300	260	225	200
	Ps	.099	.082	.064	.044	.035	.028	.025	.020	.016	.011	.008	.006	.005
	Throw	28-20-16	27-19-15	26-19-14	25-18-14	24-16-13	23-16-13	23-16-12	22-15-12	21-15-11	20-14-11	19-13-10	18-13-10	17-12-9
250	Velocity				750	660	600	565	500	450	375	330	281	250
	Ps				.069	.054	.044	.039	.031	.025	.017	.013	.010	.008
	Throw				29-20-16	28-19-15	27-19-15	27-19-15	25-18-14	24-17-13	23-16-13	22-15-12	21-15-11	20-14-11
300	Velocity				900	800	720	675	600	540	450	400	338	300
	Ps				.099	.080	.064	.055	.044	.036	.025	.021	.014	.011
	Throw				33-23-18	31-21-17	30-21-17	29-21-17	28-20-16	27-19-15	2-18-14	25-18-13	23-17-13	22-16-12
400	Velocity							900	800	720	600	535	450	400
	Ps							.091	.079	.064	.044	.036	.025	.020
	Throw							37-30-22	35-25-19	33-24-18	31-22-17	30-22-18	28-20-16	27-19-15
500	Velocity										750	665	563	500
	Ps										.069	.052	.039	.031
	Throw										37-26-20	36-25-20	33-23-18	32-23-17
600	Velocity												770	675
	Ps												.070	.056
	Throw												41-29-23	38-27-21
700	Velocity													787
	Ps													.076
	Throw													42-30-23

**SERIES 4000P PERFORMANCE DATA**

MODELS 4004P, 4004SP, 4002PCF, 4004PCF

CFM		Size											
		16 x 10 20 x 8	30 x 6 18 x 10	48 x 4 20 x 10 24 x 8	36 x 6 18 x 12	20 x 12 30 x 8 24 x 10	48 x 6 36 x 8 24 x 12	30 x 10	46 x 8 36 x 10 30 x 12	38 x 10 48 x 8	36 x 12	40 x 12 48 x 10	48 x 12
250	Velocity	225	200										
	Ps	.006	.005										
	Throw	19-14-11	18-13-10										
300	Velocity	270	240	215	200								
	Ps	.009	.007	.006	.005								
	Throw	22-15-12	21-15-11	20-15-11	19-14-10								
400	Velocity	360	320	288	265	240	200						
	Ps	.016	.013	.010	.008	.007	.005						
	Throw	26-19-14	25-18-14	24-17-14	23-17-13	23-16-13	22-15-12						
500	Velocity	450	400	360	330	300	250	240	200				
	Ps	.025	.020	.017	.014	.011	.008	.007	.005				
	Throw	31-22-17	29-21-16	29-20-16	28-20-15	27-19-15	25-18-14	25-18-14	23-17-13				
600	Velocity	540	480	435	400	360	300	288	240	225	200		
	Ps	.036	.028	.024	.019	.016	.011	.010	.007	.006	.005		
	Throw	35-25-19	33-24-18	32-23-18	31-22-17	30-21-17	28-20-16	28-20-15	26-19-14	24-17-14	25-18-14		
700	Velocity	630	560	500	460	420	350	335	280	265	235	210	
	Ps	.049	.038	.032	.027	.022	.016	.016	.010	.009	.007	.005	
	Throw	39-27-21	36-26-20	36-25-20	35-24-19	34-23-18	33-23-17	33-22-17	29-21-16	26-19-15	27-19-15	27-20-16	
800	Velocity			575	535	480	400	384	320	300	267	240	200
	Ps			.037	.034	.028	.020	.018	.013	.011	.009	.008	.005
	Throw			39-27-22	38-26-21	37-26-20	35-25-19	34-24-19	32-23-18	29-21-16	30-21-17	28-20-17	27-19-15
1000	Velocity				660	600	500	480	400	375	333	300	250
	Ps				.050	.044	.031	.028	.020	.017	.014	.012	.008
	Throw				45-34-27	43-31-24	40-29-22	40-28-22	37-27-21	34-23-18	35-25-19	33-24-18	32-23-17
1200	Velocity					720	600	576	480	450	411	360	300
	Ps					.064	.044	.041	.028	.026	.021	.016	.011
	Throw					49-35-27	46-33-25	45-32-25	42-30-23	39-28-21	40-29-22	38-28-21	36-26-20
1400	Velocity						840	700	672	560	530	480	350
	Ps						.087	.060	.055	.038	.032	.028	.015
	Throw						54-39-30	51-36-28	50-36-28	47-34-26	45-33-26	45-32-25	41-29-23
1600	Velocity									600	530	480	400
	Ps									.040	.031	.027	.019
	Throw									48-34-26	47-34-27	44-31-26	40-29-23
1800	Velocity										600	540	450
	Ps										.043	.034	.026
	Throw										49-35-27	44-33-26	42-30-25
2000	Velocity												500
	Ps												.032
	Throw												44-32-27



PERFORMANCE NOTES FOR SERIES 4000P

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Velocity Velocity of air stream in Feet per Minute

Ps Static pressure = $P_t - P_v$ (inches of water column)

Throw Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities