



# SERIES MPK PERFORMANCE DATA

## MODEL MPK

Model	Nozzle Velocity (fpm)	1000	1500	2000	2500	3000	3500	4000
MPK-04	CFM	22	33	44	55	66	77	88
	Projection	3-6-12	4-8-17	6-12-23	8-16-24	9-18-27	10-21-30	12-22-32
	Total Pressure	0.03	0.07	0.13	0.20	0.28	0.39	0.50
	NC	<15	<15	<15	19	23	26	30
MPK-06	CFM	49	74	98	123	147	172	196
	Projection	4-8-16	6-12-23	8-16-27	10-20-30	12-21-32	14-25-36	16-26-38
	Total Pressure	0.05	0.12	0.22	0.34	0.49	0.66	0.86
	NC	<15	<15	15	21	25	29	33
MPK-08	CFM	104	157	209	261	313	365	418
	Projection	6-11-23	8-17-34	11-23-39	14-28-44	17-31-46	20-35-52	23-38-55
	Total Pressure	0.06	0.14	0.24	0.38	0.53	0.70	0.92
	NC	<15	<15	17	24	30	35	38
MPK-10	CFM	180	270	261	451	541	631	721
	Projection	7-15-30	11-22-45	15-30-51	19-37-57	22-41-61	26-47-69	30-50-72
	Total Pressure	0.07	0.15	0.25	0.39	0.56	0.74	0.96
	NC	<15	<15	21	29	35	40	45
MPK-12	CFM	297	445	593	742	890	1038	1187
	Projection	10-19-38	14-29-57	19-38-65	24-48-74	29-52-78	33-60-88	38-64-93
	Total Pressure	0.07	0.15	0.26	0.40	0.58	0.78	1.01
	NC	<15	15	24	32	38	44	47
MPK-14	CFM	406	609	811	1014	1217	1420	1623
	Projection	11-22-45	17-33-67	22-44-76	28-56-86	33-61-91	39-70-103	45-75-108
	Total Pressure	0.07	0.15	0.26	0.41	0.58	0.79	1.02
	NC	<15	15	25	33	39	44	48
MPK-16	CFM	518	778	1036	1296	1555	1815	2074
	Projection	13-25-50	19-38-76	25-50-86	32-63-97	38-69-103	44-79-117	50-84-122
	Total Pressure	0.07	0.14	0.26	0.41	0.58	0.80	1.03
	NC	<15	16	26	33	39	44	49

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

### DEFINITION OF UNITS

CFM Airflow / Standard air density and isothermal conditions.

NC Noise Criteria [ NC ] curve which is not exceeded with a Room Attenuation of 10dB and based on Sound Power Level RE: 10<sup>-12</sup> watts

Total Pressure Inches of water gauge required.

Projection Projection distance (Throw) in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [ Vt ].

Nozzle Velocity Nozzle Discharge Velocity in feet per minute [ fpm ].

Terminal Velocity Maximum velocity [ Vt ] in feet per minute [ fpm ] at the specified distance from the outlet face [ Throw ] 400 fpm, 200 fpm and 100 fpm respectively.