

Performance Data



AA-HVD Series

		FPM	300	400	500	600	700	800	1000	1200																
		VP	0.006	0.01	0.016	0.022	0.031	0.04	0.062	0.075																
6"	.195ft/sq	CFM	60	80	100	115	135	155	195	235																
		SP	0.008	0.016	0.024	0.032	0.049	0.057	0.089	0.130																
		TP	0.014	0.026	0.040	0.054	0.080	0.097	0.151	0.205																
		NC	-	-	-	-	20	23	29	32																
		Throw	1	2	5	2	2	6	2	3	8	2	4	10	3	6	11	4	6	13	5	9	15	6	11	17
				FPM	300	400	500	600	700	800	1000	1200														
7"	.265ft/sq	CFM	80	105	135	160	185	210	265	320																
		SP	0.01	0.02	0.03	0.04	0.05	0.06	0.10	0.14																
		TP	0.02	0.03	0.04	0.06	0.09	0.10	0.16	0.22																
		NC	-	-	-	18	23	28	35	37																
		Throw	1	2	5	2	3	7	2	4	9	3	5	11	4	6	13	5	7	14	5	10	16	6	13	19
				FPM	300	400	500	600	700	800	1000	1200														
8"	.35ft/sq	CFM	105	135	170	205	240	275	345	420																
		SP	0.01	0.02	0.03	0.04	0.06	0.07	0.11	0.16																
		TP	0.016	0.03	0.046	0.062	0.091	0.11	0.172	0.235																
		NC	-	-	-	20	26	31	39	42																
		Throw	1	2	6	2	3	8	2	4	10	3	5	12	4	7	14	5	8	16	6	11	18	7	14	21
				FPM	300	400	500	600	700	800	1000	1200														
9"	.439ft/sq	CFM	130	175	220	265	305	350	440	525																
		SP	0.015	0.0275	0.04	0.055	0.0775	0.095	0.135	0.1875																
		TP	0.021	0.0375	0.056	0.077	0.1085	0.135	0.197	0.2625																
		NC	-	-	18	22	28	32	39	42																
		Throw	2	3	8	3	5	11	4	6	13	5	7	15	6	9	17	7	11	19	8	14	21	10	17	24
				FPM	300	400	500	600	700	800	1000	1200														
10"	.542ft/sq	CFM	155	210	260	310	365	415	520	625																
		SP	0.02	0.035	0.05	0.07	0.095	0.12	0.16	0.215																
		TP	0.026	0.045	0.066	0.092	0.126	0.16	0.222	0.29																
		NC	-	-	20	25	30	34	40	43																
		Throw	3	5	10	4	6	13	5	8	16	6	10	18	8	12	19	9	13	21	11	16	24	13	20	27

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12"	.77ft/sq	FPM	300			400			500			600			700			800			1000			1200		
		CFM	230			310			385			465			540			620			775			925		
		SP	0.03			0.05			0.07			0.1			0.13			0.17			0.21			0.27		
		TP	0.036			0.06			0.086			0.122			0.161			0.21			0.272			0.345		
		NC	-			-			25			31			35			38			42			45		
		Throw	4	7	14	6	9	18	8	11	21	9	14	23	11	16	24	12	18	26	15	21	29	18	25	33
14"	1.06ft/sq	FPM	300			400			500			600			700			800			1000			1200		
		CFM	320			425			530			635			740			850			1060			1270		
		SP	0.035			0.060			0.085			0.120			0.155			0.200			0.240			0.305		
		TP	0.041			0.07			0.10			0.14			0.19			0.24			0.30			0.38		
		NC	-			-			25			31			35			38			42			46		
		Throw	5	9	17	8	11	20	10	14	23	11	17	25	13	18	26	15	20	28	18	23	31	21	27	36
16"	1.38ft/sq	FPM	300			400			500			600			700			800			1000			1200		
		CFM	415			550			690			830			965			1105			1380			1655		
		SP	0.04			0.07			0.10			0.14			0.18			0.23			0.27			0.34		
		TP	0.05			0.08			0.12			0.16			0.21			0.27			0.33			0.42		
		NC	-			21			26			31			35			38			43			46		
		Throw	6	10	19	9	13	21	11	16	24	13	19	26	15	20	28	17	21	30	20	24	33	23	29	38

Performance Notes

- 1) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 2) Throw data is based on supply air and room air both at isothermal conditions
- 3) Effective core areas listed in the chart are defined as the measurement of space between the blades actually being utilized by the air
- 4) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006