

# Performance Data



## HVL 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	3	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
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
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

## 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