

Performance Data



HVL Series

Neck Size	Core Eff. Area (ft ²)	Neck Velocity (FPM)		400		500		600		700		800		900		1000		1200		1400		1600		
		CFM	NC	CFM	NC	CFM	NC	CFM	NC	CFM	NC	CFM	NC	CFM	NC	CFM	NC	CFM	NC	CFM	NC	CFM	NC	
6"	0.195	Total Pressure	0.020	0.035	0.044	0.061	0.078	0.095	0.119	0.175	0.201	0.256												
		CFM	78	98	117	137	156	176	195	234	273	312												
		NC	<20	<20	<20	<20	20	20-25	25	30-35	35	40												
7"	0.265	Throw (ft.)	1 2 4	1 2.5 4.5	2 3 5	2 4 6	3 5 7	3 5 9	4 6 10	5 7 11	6 8 12	7 8 14												
		CFM	106	133	159	186	212	239	265	319	372	425												
		NC	<20	<20	<20	<20	20	20-25	25	30-35	35-40	40-45												
8"	0.347	Throw (ft.)	1 3 5	1 3.5 6	2 4 7	2 5 8	3 7 9.5	4 7 11	5 8 12	6 8.5 13	7 9 14	8 11 16												
		CFM	139	173	208	243	277	312	347	416	485	555												
		NC	<20	<20	<20	20	20	25	30-35	35-40	40	45												
9"	0.439	Throw (ft.)	2 4 6	2 5 7	3 5 9	3 6 10	4 7 12	5 8 13	6 9 14	7 10 15	9 11 16	10 13 18												
		CFM	176	219	263	307	351	395	439	527	614	702												
		NC	<20	<20	20	25	30	30-35	35	40	40	45												
10"	0.542	Throw (ft.)	2 4.5 7	3 5 8	3 6 10	3 6.5 12	5 7.5 13	6 8.5 14	7 9.5 15	8 11 17	9 12 18	10 14 20												
		CFM	217	271	325	379	433	488	542	650	758	867												
		NC	<20	<20	20	25	30	30-35	35	40	40-45	45-50												
12"	0.780	Throw (ft.)	2 4 8	4 5 10	4 6 12	4 7 13	6 8 14	7 9 15	8 10 16	9 12 18	10 13 19	11 15 22												
		CFM	312	390	468	546	624	702	780	936	1092	1248												
		NC	<20	<20	20-25	25-30	30-35	35	35-40	40-45	45	45												
14"	1.062	Throw (ft.)	3 5 11	5 7 14	5 8 15	5 9 16	7 11 18	8 12 18	10 14 20	11 15 21	12 16 23	13 18 25												
		CFM	425	531	637	743	849	956	1062	1274	1486	1699												
		NC	<20	25	30	30-35	35-40	40	40-45	45-50	45	50												
16"	1.387	Throw (ft.)	4 7 13	6 8 16	6 10 17	7 12 20	8 14 21	10 16 22	12 17 23	13 18 25	14 19 27	16 21 29												
		CFM	555	693	832	971	1109	1248	1387	1664	1941	2219												
		NC	<20	25	30-35	35	35-40	40-45	40-45	45	45	50												

Performance Notes:

- 1) For square neck multiply CFM x 1.21
- 2) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 3) Throw data is based on supply air and room air both at isothermal conditions
- 4) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air
- 5) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006