

Performance Data



1000S Supply Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure CFM (ft.) NC Throw	300			400			500			600			700			800			900			1000		
			0.006	0.01	0.015	0.021	0.029	0.038	0.048	0.065																
1 1/2"	0.054	CFM/ft	16			21			27			32			38			43			48			54		
		NC	<20			<20			<20			20			25			25-30			30-35			35		
		Throw	1	2	2	2	2.5	3.5	3	3.5	4.5	3	4	5	4	5	7	5	6	8	5	6.5	9.5	6	7	11
2"	0.093	CFM/ft	28			37			46			56			65			74			83			93		
		NC	<20			<20			<20			20			25			25-30			30-35			35		
		Throw	2	3	4	3	3.5	4.5	4	5.5	6.5	4	5.5	7.5	5	7	9	6	8	11	7	8	12	7	9	14
2 1/2"	0.122	CFM/ft	37			49			61			73			85			98			110			122		
		NC	<20			<20			20			20			25			25-30			30-35			35		
		Throw	3	3.5	4.5	3.5	4.5	5.5	5	6.5	7.5	5.5	7	9	6	7.5	10.5	7	8.5	11.5	8	9.5	14.5	9	11	16
3"	0.161	CFM/ft	48			64			81			97			113			129			145			161		
		NC	<20			<20			20			20			25			25-30			30-35			35		
		Throw	4	4.5	5.5	4	5.5	6.5	6	7	9	6	7.5	10.5	7	8.5	11.5	8	10	14	9	10.5	16	10	12	18
3 1/2"	0.190	CFM/ft	57			76			95			114			133			152			171			190		
		NC	<20			<20			20			20			25			25-30			35			35-40		
		Throw	4	4.5	5.5	5	6.5	7.5	7	8	10	6.5	7.5	10.5	8	9.5	12.5	9.5	11	15	10	12	18	11	13	19
4"	0.220	CFM/ft	66			88			110			132			154			176			198			220		
		NC	<20			<20			20			20			25			30			35			35-40		
		Throw	4	4.5	5.5	5.5	6.5	7.5	7.5	8	10	8	9.5	12.5	9	11	15	11	13	17	11	13.5	20	13	14.5	22
5"	0.278	CFM/ft	83			111			139			167			195			223			250			278		
		NC	<20			<20			20			25			25-30			30			35			35-40		
		Throw	5	5.5	6.5	6	7	9	8	9	11	9	11	15	10	12	16	12	13.5	18	12	14.5	22	14	15	22
6"	0.347	CFM/ft	104			139			173			208			243			277			312			347		
		NC	<20			<20			20			25			25-30			30			35			40		
		Throw	5.5	6.5	7.5	7	8	10	9	11	13	9	11	15	11	13	17	13.0	14.5	20	13	15	23	15	17	25
8"	0.474	CFM/ft	142			189			237			284			332			379			426			474		
		NC	<20			<20			20			25			25-30			35			35-40			40		
		Throw	6	7	9	8	10	12	10	11.5	14.5	11	13	17	12	14	17	14	16	22	14	17	25	17	20	30
10"	0.601	CFM/ft	180			240			300			360			420			480			541			601		
		NC	<20			20			25			25-30			30			35			35-40			40		
		Throw	7	9	11	9	10	12	11	13.5	17	12	14.5	20	14	16	22	15	18	24	16	20	30	20	24	36

Performance Notes:

- 1) All values in above table are per lineal foot
- 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 utilized by the air
- 5) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006