

# Performance Data



## 700 DVD-4S Series

Neck Size	Core Eff. Area (ft <sup>2</sup> )	Neck Velocity (FPM) Total Pressure	400			500			600			700			800			1000		
			CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)	CFM	NC	Throw (ft.)
6x6-6	0.122		49	<20	4   6   8	61	<20	5   7   9	73	20	6   8   10	85	20	7   9   11	98	25	8   10   14	122	25	8   11   15
		CFM	92	<20	5   7   9	115	<20	6   8   10	138	20	7   9   11	161	20	8   10   13	184	25	9   11.5   16	230	25	10   13   17
		NC	149	<20	6   8   10	186	<20	7   9   13	223	20	8   10   14	260	20-25	10   12   16	297	25	11   13   17	371	25-30	12   15   19
8x8-8	0.230		219	<20	7   9   11	273	<20	8   10   12	328	20	9   11   15	383	20-25	11   13   17	437	25	12   14   18	547	25-30	13   16   21
		CFM	302	<20	8   10   12	378	<20	10   11.5   14.5	453	25	10   12.5   17	529	25-30	12   14   18	605	30	13   15   20	756	30-35	14   17   23
		NC	400	<20	9   11.5   14.5	499	<20	11   13.5   17	599	25	12   16   20	699	25-30	13   17   23	799	30	14   18   24	999	30-35	15   19   27
10x10-10	0.371		510	<20	11   13   16	638	<20	12   15   19	765	25	14   17   20	893	25-30	15   18   24	1020	30	16   20   27	1275	30-35	16   21   30
		CFM	634	<20	13   16   20	793	<20	14   17   21	952	25-30	15   19   25	1110	30-35	17   20   28	1269	35-40	18   22   30	1586	40-45	18   22   32
		NC	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
12x12-12	0.547		13	<20	13   16   20	20	<20	14   17   21	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		CFM	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		NC	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
14x14-14	0.756		13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		CFM	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		NC	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
16x16-16	0.999		13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		CFM	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		NC	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
18x18-18	1.275		13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		CFM	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		NC	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
20x20-20	1.586		13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		CFM	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		
		NC	13	<20	14   16   20	20	<20	15   19   25	25-30	17   20   28	30-35	18   22   30	35-40	18   22   30	40-45	18   22   30	40-45	18   22   32		

Conversion Factors	
Pattern	Factor
1S	2
2S	1.4
2SC	1.4
3S	1.4
4S	1

### Performance Notes:

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