

Performance Data



825CB-SS Series

Module Size	Neck Size	Neck Velocity Velocity Pressure	300	400	500	600	700	800	1000	1200	1400																		
			0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122																		
24" x 24"	6"	CFM	59			79			98			118			137			157			196			236			275		
		Duct Pt	0.016			0.028			0.044			0.064			0.087			0.113			0.177			0.255			0.347		
		NC	-			-			-			16			21			25			32			38			43		
		4-Way - Horizontal Throw	1	2	4	2	2	5	2	3	6	2	4	7	3	4	9	3	5	10	4	6	11	5	7	12	6	9	13
		3-Way - Horizontal Throw	1	2	5	2	3	6	3	4	8	3	5	10	4	6	11	4	6	12	5	8	14	6	10	15	8	11	16
		2-Way - Horizontal Throw	1	2	6	2	4	8	3	5	10	4	6	11	4	7	13	5	8	15	6	10	17	8	11	18	9	13	20
		1-Way - Horizontal Throw	1	2	8	2	4	10	3	7	13	4	8	15	6	9	17	7	10	18	9	13	20	10	15	22	12	17	23
		CFM	105			140			175			209			244			279			349			419			489		
		Duct Pt	.018			.032			.049			.071			.097			.126			.197			.284			.386		
		NC	-			-			16			22			27			31			38			44			49		
24" x 24"	8"	4-Way - Horizontal Throw	1	2	5	2	3	7	3	4	8	3	5	10	4	6	12	4	7	13	5	8	15	7	10	16	8	12	17
		3-Way - Horizontal Throw	2	3	6	3	4	9	4	5	11	4	6	13	5	8	15	6	9	17	7	11	18	9	13	20	10	15	22
		2-Way - Horizontal Throw	1	3	8	3	5	10	4	6	13	5	8	15	6	9	18	7	10	20	8	13	22	10	15	25	12	18	27
		1-Way - Horizontal Throw	1	3	10	3	6	14	4	9	17	6	10	20	8	12	22	9	14	24	12	17	26	14	20	29	16	22	31
		CFM	164			218			273			327			382			436			545			654			764		
		Duct Pt	0.02			0.036			0.056			0.08			0.109			0.143			0.223			0.321			0.437		
		NC	-			14			21			27			32			36			43			49			54		
		4-Way - Horizontal Throw	1	3	6	3	4	8	3	5	10	4	6	12	5	7	14	5	8	16	7	10	18	8	12	20	10	14	21
		3-Way - Horizontal Throw	2	4	8	4	5	11	4	7	13	5	8	16	6	9	19	7	11	21	9	13	23	11	16	25	13	19	27
		2-Way - Horizontal Throw	2	4	10	3	6	13	5	8	16	6	10	19	7	11	22	8	13	25	11	16	28	13	19	31	15	22	33
1-Way - Horizontal Throw	2	4	13	3	7	17	5	11	22	7	13	26	10	15	28	12	17	30	15	22	33	17	26	36	20	28	39		
24" x 24"	10"	CFM	236			314			393			471			550			628			785			942			1100		
		Duct Pt	.032			.057			.089			.128			.174			.227			.355			.510			.695		
		NC	-			18			25			30			35			40			47			52			57		
		4-Way - Horizontal Throw	4	6	11	5	7	14	6	9	15	7	11	17	9	13	18	10	14	19	12	15	22	14	17	24	15	18	26
		3-Way - Horizontal Throw	5	7	14	6	10	18	8	12	20	10	14	21	11	16	23	13	18	25	16	20	28	18	21	30	19	23	33
		2-Way - Horizontal Throw	6	8	17	8	11	21	9	14	24	11	17	26	13	20	28	15	21	30	19	24	34	21	26	37	23	28	40
		1-Way - Horizontal Throw	7	12	22	10	16	25	19	19	28	16	22	31	18	23	33	20	25	35	23	28	40	25	31	43	27	33	47
		CFM	321			428			535			641			748			855			1069			1283			1497		
		Duct Pt	0.034			0.06			0.093			0.135			0.183			0.239			0.374			0.538			0.733		
		NC	12			21			28			34			38			43			50			56			60		
4-Way - Horizontal Throw	4	6	13	6	9	16	7	11	18	9	13	20	10	15	21	11	16	23	14	18	25	16	20	28	17	21	30		
3-Way - Horizontal Throw	6	8	17	7	11	20	9	14	23	11	17	25	13	19	27	15	20	29	19	23	32	20	25	35	22	27	38		
2-Way - Horizontal Throw	6	10	19	9	13	24	11	16	27	13	19	29	15	22	32	17	24	34	21	27	38	24	29	42	26	32	45		
1-Way - Horizontal Throw	8	14	25	12	18	29	15	23	33	18	25	36	21	27	39	24	29	41	27	33	46	29	36	51	32	39	55		
24" x 24"	12"	CFM	419			559			698			838			977			1117			1396			1676			1955		
		Duct Pt	.036			.063			.099			.143			.194			.253			.396			.570			.776		
		NC	14			23			31			36			41			45			53			58			63		
		4-Way - Horizontal Throw	5	7	15	7	10	18	8	12	21	10	15	23	11	17	24	13	18	26	16	21	29	18	23	32	20	24	34
		3-Way - Horizontal Throw	6	10	19	9	13	23	11	16	26	13	19	29	15	22	31	17	23	33	21	26	37	23	29	41	25	31	44
		2-Way - Horizontal Throw	8	11	23	10	15	28	13	19	32	15	23	35	18	26	38	20	28	40	25	32	45	28	35	49	31	38	53
		1-Way - Horizontal Throw	10	16	29	14	21	33	17	26	37	21	29	41	24	31	44	27	33	47	31	37	53	33	41	58	36	44	63

Performance Notes:

- 1 Performance data calculated with blades set at 0°
- 2 Throw values are measured in feet for terminal velocities of 100/75/50 FPM

3 Throw data is based on supply air and room air both at isothermal conditions

4 Effective areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air