

# Performance Data



## 825CB-FR Series

Collar Size	Eff. Area (ft <sup>2</sup> )	Velocity Duct Pt.	300	400	500	600	700	800	900	1000
			0.007	0.011	0.017	0.024	0.032	0.044	0.056	0.067
6"	0.195	CFM	59	78	98	117	137	156	176	195
		NC	<20	<20	<25	25	<30	30	<35	35
		Throw (ft.)	1   2   4	2   3   6	3   4   8	4   5   9	5   6   10	5   7   12	6   7   13	7   10   15
7"	0.265	CFM	80	106	133	159	186	212	239	265
		NC	<20	20	<25	25	<30	30	<35	35
		Throw (ft.)	1   2.5   4.5	2   4   6.5	3   4.5   8	4   5.5   9.5	5   7   11	5   7   12.5	6   8   14	7   11.0   16
8"	0.347	CFM	104	139	173	208	243	277	312	347
		NC	<20	<20	<20	<20	<20	<20	20	20
		Throw (ft.)	2   3   5	3   5   7	4   5   9	5   6   10	6   8   12	6   8   13	7   9   15	8   12   16
9"	0.439	CFM	132	176	219	263	307	351	395	439
		NC	<20	20	25	<30	30	<35	35	40
		Throw (ft.)	2   4   6	3   5   6.5	4   6   9.5	5   7   11	6   8   13	7   9   14	8   10   16	9   12   17
10"	0.542	CFM	163	217	271	325	379	433	488	542
		NC	<20	<20	<20	<20	<20	<20	20	25
		Throw (ft.)	3   3   7	4   6   8	5   7   10	6   8   12	7   10   16	8   10   16	9   11   17	10   14   18
12"	0.780	CFM	234	312	390	468	546	624	702	780
		NC	<20	<20	<20	<20	<20	20	25	25
		Throw (ft.)	4   6   11	5   7   14	7   9   15	8   10   17	9   11   19	11   13   20	12   15   22	12   15   23
14"	1.062	CFM	319	425	531	637	743	849	956	1062
		NC	<20	<20	<20	<20	<20	20	25	25-30
		Throw (ft.)	4   6   13	6   9   15	9   12   18	10   13   20	11   14   22	13   16   24	14   17   27	14   18   28
16"	1.387	CFM	416	555	693	832	971	1109	1248	1387
		NC	<20	<20	<20	<20	20	25	25	25-30
		Throw (ft.)	5   7   15	8   11   17	11   14   20	12   14   23	13   16   26	15   19   28	16   20   30	17   22   32

**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) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006