

Performance Data



780-FR Series

Collar Size	Eff. Area (ft ²)	Velocity	400	500	600	700	800	1000
		Duct Pt.	0.038	0.108	0.155	0.22	0.285	0.438
6"	0.195	CFM	78	98	117	137	156	195
		NC	<20	<20	<20	<20	<20	20
		Throw (ft.)	2 3 6	3 4 8	4 5 9	5 6 10	5 7 12	7 10 15
7"	0.265	CFM	106	133	159	186	212	265
		NC	20	<25	25	<30	30	<35
		Throw (ft.)	2 4 6.5	3 4.5 8	4 5.5 9.5	5 7 11	5 7 12.5	7 11 16
8"	0.347	CFM	139	173	208	243	277	347
		NC	<20	<20	<20	<20	<20	20
		Throw (ft.)	3 5 7	4 5 9	5 6 10	6 8 12	6 8 13	8 12 16
9"	0.439	CFM	176	219	263	307	351	439
		NC	20	25	<30	30	<35	35-40
		Throw (ft.)	3 5 6.5	4 6 9.5	5 7 11	6 8 13	7 9 14	9 12 17
10"	0.542	CFM	217	271	325	379	433	542
		NC	<20	<20	<20	<20	<20	25
		Throw (ft.)	4 6 8	5 7 10	6 8 12	7 10 16	8 10 16	10 14 18
12"	0.780	CFM	312	390	468	546	624	780
		NC	<20	<20	<20	<20	20	25
		Throw (ft.)	5 7 14	7 9 15	8 10 17	9 11 19	11 13 20	12 15 23
14"	1.062	CFM	425	531	637	743	849	1062
		NC	<20	<20	<20	<20	20	25-30
		Throw (ft.)	6 9 15	9 12 18	10 13 20	11 14 22	13 16 24	14 18 28
16"	1.387	CFM	555	693	832	971	1109	1387
		NC	<20	<20	<20	20	25	25-30
		Throw (ft.)	8 11 17	11 14 20	12 14 23	13 16 26	15 19 28	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