



ENGINEERING DATA

AIG-R

Size	Neck Velocity (fpm)		250		500		750		1000		1250		1500	
	Velocity Pressure		0.004		0.016		0.035		0.062		0.097		0.140	
	Total Pressure		0.023	0.029	0.076	0.096	0.165	0.200	0.247	0.292	0.387	0.417	0.540	0.570
	Deflection		0°	22.5°	0°	22.5°	0°	22.5°	0°	22.5°	0°	22.5°	0°	22.5°
6	Neck Area (ft ²) 0.196	CFM	50		100		150		200		250		300	
		NC	-	-	-	-	-	20	24	34	32	40	37	43
		Throw	10	9	13	12	17	15	19	17	22	19	24	22
8	Neck Area (ft ²) 0.349	CFM	140		280		410		550		690		820	
		NC	-	-	-	18	22	26	25	32	-	40	-	-
		Throw	13	12	18	17	22	20	25	23	27	25	31	28
10	Neck Area (ft ²) 0.545	CFM	140		280		410		550		690		820	
		NC	-	-	-	15	15	21	20	26	26	33	-	-
		Throw	16	14	23	20	28	25	31	28	36	32	36	33
12	Neck Area (ft ²) 0.785	CFM	200		400		590		790		990		1180	
		NC	-	-	-	-	16	22	22	32	31	38	35	48
		Throw	19	17	27	24	32	30	38	34	41	39	43	41
14	Neck Area (ft ²) 1.069	CFM	270		540		810		1070		1340		1610	
		NC	-	-	-	-	16	29	24	32	29	34	37	45
		Throw	22	21	32	28	38	35	44	40	49	44	54	47
16	Neck Area (ft ²) 1.396	CFM	350		700		1050		1400		1750		2100	
		NC	-	-	-	-	19	27	29	34	32	41	37	45
		Throw	25	23	36	31	43	39	51	45	56	52	63	55
20	Neck Area (ft ²) 2.182	CFM	550		1100		1640		2190		2730		3280	
		NC	-	-	-	-	19	27	30	34	32	40	38	47
		Throw	31	27	44	41	54	49	63	57	70	64	74	71
24	Neck Area (ft ²) 3.142	CFM	790		1580		2360		3150		3930		4720	
		NC	-	-	-	-	20	26	30	34	33	41	39	48
		Throw	33	28	54	49	65	58	74	68	83	78	92	84

Notes:

1. The throw values are based on a 50 fpm terminal velocity.
2. Dash "-" indicates NC value less than 15.
3. NC level is based on 10dB room attenuation (Re: 10⁻¹² watts) with one diffuser operating

Specialty Products