

**12 x 12 • Round Plaque**

NECK SIZE	NECK VEL FPM	400	500	600	700	800	900	1000	1200	1400	1600
	VEL PRESS P <sub>v</sub>	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.09	0.12	0.16
4" DIA	CFM	35	45	50	60	70	80	85	105	120	140
	P <sub>T</sub>	0.03	0.05	0.05	0.08	0.10	0.13	0.15	0.23	0.30	0.41
	NC	<20	<20	<20	21	26	30	32	38	41	46
	THROW, FT	1-1-2	1-1-4	1-1-4	1-2-5	1-2-6	1-3-7	2-3-7	2-4-8	3-5-9	4-6-10
5" DIA	CFM	55	70	80	95	110	125	135	165	190	
	P <sub>T</sub>	0.03	0.06	0.07	0.10	0.14	0.17	0.21	0.31	0.41	
	NC	<20	<20	<20	23	28	31	34	39	43	
	THROW, FT	1-2-4	1-2-6	1-3-7	2-4-8	3-4-8	3-5-9	4-5-9	4-7-10	5-8-11	
6" DIA	CFM	80	100	120	135	155	175	195	235		
	P <sub>T</sub>	0.04	0.07	0.10	0.13	0.17	0.22	0.27	0.39		
	NC	<20	<20	21	24	28	32	35	40		
	THROW, FT	1-3-7	2-4-8	3-5-9	4-5-9	4-6-10	5-7-11	5-8-11	6-9-12		
7" DIA	CFM	105	135	160	185	215	240	265	320		
	P <sub>T</sub>	0.05	0.09	0.12	0.16	0.22	0.28	0.34	0.49		
	NC	<20	<20	22	26	30	33	36	42		
	THROW, FT	2-4-8	4-5-9	4-7-10	5-8-11	6-8-12	7-9-12	7-9-13	8-10-12		
8" DIA	CFM	140	175	210	245	280	315	350	420		
	P <sub>T</sub>	0.07	0.11	0.15	0.21	0.27	0.34	0.42	0.61		
	NC	<20	<20	23	27	31	34	37	43		
	THROW, FT	4-6-10	5-7-11	6-8-12	7-9-13	8-10-13	8-10-14	9-11-15	9-11-15		

- Ps..... Static Pressure, Inches of water
- CFM..... Volumetric Air Flow Rate, Cubic Feet Per Minute
- NC ..... Noise Criteria Based on Sound Pressure Levels with 10 dB Room Absorption RE: 10<sup>-12</sup> Watts
- THROW..... Distance, in feet, to terminal velocities of 150-100-50 FPM respectively

For Return Use: • NC = +3 NC to the supply data.  
 • Negative Ps = 1.2 times the Ps for supply  
 Tests conducted in accordance with ASHRAE STD 70, ADC 1062, ISO 5219, & ISO 3741

**24 x 24 • Round Plaque**

NECK SIZE	NECK VEL FPM	400	500	600	700	800	900	1000	1200	1400	1600
	VEL PRESS P <sub>v</sub>	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.09	0.12	0.16
6" DIA	CFM	80	100	120	135	155	175	195	235	275	315
	P <sub>T</sub>	0.02	0.03	0.03	0.04	0.05	0.06	0.08	0.11	0.15	0.20
	NC	<20	<20	<20	<20	<20	<20	<20	22	28	32
	THROW, FT	1-1-2	1-1-2	1-1-3	1-1-4	1-1-4	1-2-5	1-2-5	1-3-6	2-4-7	3-4-6
8" DIA	CFM	140	175	210	245	280	315	350	420	490	560
	P <sub>T</sub>	0.02	0.03	0.03	0.05	0.06	0.08	0.10	0.14	0.19	0.25
	NC	<20	<20	<20	<20	<20	23	26	31	36	40
	THROW, FT	1-1-4	1-2-5	1-3-6	2-3-7	2-4-7	3-4-8	3-5-9	4-6-11	4-7-13	5-7-15
10" DIA	CFM	220	275	325	380	435	490	545	655	765	875
	P <sub>T</sub>	0.02	0.04	0.04	0.06	0.08	0.10	0.12	0.18	0.24	0.32
	NC	<20	<20	<20	<20	22	26	29	34	39	43
	THROW, FT	1-3-6	2-4-7	3-4-9	3-5-10	4-6-12	4-7-13	5-7-15	6-9-17	7-10-20	8-12-23
12" DIA	CFM	315	395	470	550	630	705	785	940	1100	1255
	P <sub>T</sub>	0.03	0.04	0.05	0.08	0.10	0.13	0.16	0.23	0.31	0.41
	NC	<20	<20	<20	21	25	28	31	36	41	45
	THROW, FT	3-4-8	4-5-11	4-6-13	5-7-15	6-8-17	6-9-19	7-10-21	8-13-25	10-15-29	11-17-33
14" DIA	CFM	430	535	640	750	855	960	1070	1285	1495	
	P <sub>T</sub>	0.03	0.06	0.07	0.10	0.13	0.16	0.20	0.29	0.40	
	NC	<20	<20	<20	23	27	30	33	38	43	
	THROW, FT	4-6-11	5-7-14	6-9-17	7-10-20	8-11-23	9-13-26	10-14-29	11-17-34	13-20-40	
15" DIA	CFM	490	615	735	860	980	1105	1225	1475	1720	
	P <sub>T</sub>	0.04	0.06	0.08	0.11	0.15	0.19	0.30	0.33	0.45	
	NC	<20	<20	<20	24	28	31	39	39	44	
	THROW, FT	4-7-13	5-8-16	7-10-20	8-11-23	9-13-26	10-15-29	13-20-39	13-20-39	15-23-46	

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