



ENGINEERING DATA

PERFORATED DIFFUSERS

PT = Total pressure
T = Throw

TWO WAY NECK SIZE	AK	PT. Neck VEL.	Under NC 20			Under NC 30	Under NC 35		Under NC 40	Under NC 50
			.015 200	.038 300	.065 400	.100 500	.150 600	.215 700	.285 800	.356 900
6 x 6	.250	CFM T	50 1-3	75 2-4	110 3-6	130 4-8	155 5-10	170 6-12	200 7-14	230 8-15
6 x 18	.63	CFM T	160 1-4	225 3-8	300 4-12	375 5-14	450 7-16	525 8-18	600 10-20	675 12-24
8 x 8	.40	CFM T	90 1-4	130 2-8	175 4-10	215 6-14	260 8-16	310 9-18	350 10-20	400 12-24
9 x 9	.49	CFM T	120 2-5	175 3-8	230 5-10	285 7-15	345 9-18	400 10-20	460 12-24	510 14-26
10 x 10	.58	CFM T	150 2-10	215 4-12	280 7-14	350 8-17	420 10-21	485 12-25	555 15-30	620 16-32
12 x 12	.80	CFM T	— —	300 7-15	400 9-18	500 12-21	600 13-25	700 15-30	800 16-32	900 17-34
15 x 15	1.2	CFM T	— —	475 9-18	625 11-22	775 14-28	950 16-32	1100 19-38	1250 21-42	1425 26-50
18 x 18	1.6	CFM T	— —	680 10-20	900 14-28	1100 13-36	1350 22-44	1550 26-52	1800 28-56	2000 30-58

ONE WAY NECK SIZE	AK	PT Neck VEL	Under NC 20			Under NC 30		Under NC 35	Under NC 40	
			.015 200	.038 300	.065 400	.110 500	.150 600	.220 700	.29 800	.360 900
6 x 6	.26	CFM T	50 2-5	75 2-6	110 3-10	130 4-11	155 4-13	170 5-15	200 6-16	230 7-18
6 x 18	.70	CFM T	160 2-4	225 2-8	300 4-11	375 6-16	350 7-16	525 9-18	600 11-22	675 13-25
8 x 8	.45	CFM T	90 2-6	130 2-10	175 4-12	215 6-16	260 7-17	310 9-19	350 10-20	400 12-26
9 x 9	.54	CFM T	120 2-6	175 2-11	230 5-13	285 7-15	345 8-17	400 10-18	460 11-19	510 12-27
10 x 10	.65	CFM T	150 2-12	215 4-13	280 7-15	350 8-18	420 10-22	485 12-26	555 15-31	620 16-33
12 x 12	.92	CFM T	— —	300 7-16	400 9-19	500 12-22	600 13-26	700 15-32	800 16-35	900 18-38
15 x 15	1.3	CFM T	— —	475 9-20	625 11-23	775 14-30	950 16-35	1100 19-40	1250 21-46	1425 26-50
18 x 18	1.6	CFM T	— —	680 10-22	900 14-30	1100 13-37	1350 22-44	1550 26-54	1800 28-58	2000 30-60