

ENGINEERING DATA

PERFORATED DIFFUSERS



PT = Total pressure
T = Throw

FOUR WAY	AK	PT Neck Vel	Under NC 20			Under NC 30	Under NC 35		Under NC 40	Under NC 50
			.011 200	.030 300	.055 400	.085 500	.120 600	.160 700	.220 800	.270 900
6 x 6	.29	CFM T	50 1-2	75 1-3	110 2-5	130 3-6	155 3-7	170 5-8	200 6-10	230 7-11
6 x 18	.74	CFM T	160 1-3	225 2-6	300 3-9	375 4-11	450 6-14	525 8-16	600 10-20	675 10-23
8 x 8	.47	CFM T	90 1-3	130 2-5	175 3-7	215 4-9	260 5-11	310 6-13	350 7-15	400 8-16
9 x 9	.57	CFM T	120 1-4	175 3-7	230 4-9	285 5-11	345 6-13	400 7-16	460 8-17	510 8-20
10 x 10	.69	CFM T	150 1-6	215 3-8	280 5-10	350 6-13	420 7-15	485 8-17	555 9-19	620 10-22
12 x 12	.95	CFM T	— —	300 5-11	400 6-13	500 7-15	600 9-17	700 10-19	800 12-20	900 13-24
15 x 15	1.4	CFM T	— —	475 6-12	625 8-15	775 9-18	950 12-24	1100 12-26	1250 15-30	1425 17-35
18 x 18	1.9	CFM T	— —	680 7-14	900 8-18	1100 11-22	1350 14-28	1550 15-30	1800 18-37	2000 20-40

THREE WAY	AK	PT Neck Vel	Under NC 20			Under NC 30		Under NC 35	Under NC 40	Under NC 50
			.011 200	.030 300	.055 400	.085 500	.120 600	.160 700	.220 800	.270 900
6 x 6	.250	CFM T	50 1-2	75 1-4	110 2-6	130 3-7	155 3-8	170 5-11	200 5-12	230 6-13
6 x 18	.73	CFM T	160 1-3	225 2-6	300 3-9	375 4-13	450 6-15	525 8-17	600 10-21	675 11-24
8 x 8	.43	CFM T	90 1-3	130 2-5	175 3-7	215 4-10	260 5-12	310 6-14	350 8-16	400 8-18
9 x 9	.55	CFM T	120 1-4	175 3-7	230 4-9	285 5-12	345 7-14	400 7-17	460 9-19	510 10-20
10 x 10	.67	CFM T	150 1-6	215 3-8	280 5-10	350 6-14	420 7-16	485 8-19	555 9-21	620 12-24
12 x 12	.97	CFM T	— —	300 5-11	400 6-13	500 8-16	600 9-18	700 10-20	800 12-22	900 14-25
15 x 15	1.50	CFM T	— —	475 6-12	625 8-15	775 10-19	950 13-25	1100 14-28	1250 16-32	1425 18-36
18 x 18	2.1	CFM T	— —	680 7-14	900 8-18	1100 12-24	1350 15-30	1550 17-34	1800 19-28	2000 21-42