

DIRECTIONAL PATTERN 41 - 4 WAY DISCHARGE

MODEL DCC-75 1 SLOT

INLET SIZE	CFM THROW	50	75	100	125	150	175	200	225	250	275	300	325
		1-2-4	2-3-6	3-4-9	3-5-10	4-6-11	5-8-12	6-9-13	6-10-14	7-10-15	8-11-16	9-11-16	9-12-17
6"	P _T	.02	.03	.06	.09	.13	.18	.23	.29	.36			
	NC	—	—	—	20	25	30	33	36	39			
8"	P _T		.02	.04	.06	.09	.13	.16	.20	.26	.30		
	NC		—	—	—	22	26	30	33	36	39		
10"	P _T				.05	.07	.10	.13	.16	.20	.24	.29	
	NC				—	20	24	28	31	34	37	39	
12"	P _T					.06	.08	.11	.13	.16	.20	.24	.27
	NC					—	22	26	29	32	34	37	39

MODEL DCC-75 2 SLOT

INLET SIZE	CFM THROW	125	150	175	200	225	250	275	300	325	350	400	450
		2-4-8	3-4-9	3-5-10	4-6-11	4-7-11	5-8-12	5-8-13	6-9-13	6-10-14	7-10-14	8-11-15	9-11-16
6"	P _T	.06	.09	.12	.16	.20	.25	.30	.36				
	NC	—	20	24	28	31	34	37	40				
8"	P _T	.04	.06	.08	.11	.13	.16	.20	.23	.27	.31		
	NC	—	—	20	24	27	30	33	36	38	40		
10"	P _T			.06	.07	.09	.12	.14	.16	.19	.22	.29	
	NC			—	20	24	27	30	32	34	36	40	
12"	P _T				.05	.07	.08	.10	.12	.14	.16	.22	.27
	NC				—	22	25	27	30	32	34	38	41

P_T Total pressure (inches of water)

CFM..... Volumetric air flow rate, cubic feet per minute

Throw Distance in feet the airstream travels to measured terminal velocities, Vt = 150, 100, 50 FPM respectively

NC Noise criteria of sound pressure levels with 10dB room absorption for LwRE:10⁻¹² watt.
— (Dash) indicates NC level is <20.

▲For return use, adjust supply data (above) by adding +4 NC and - P_T = P_T (supply) x 1.5

▲For 1, 2 or 3-way discharge patterns, enter table with average CFM in each direction x 4. For example, pattern 31 (3-way discharge) at 150CFM, enter table with (150CF ÷ 3-way discharge) x 4 = 200CFM for throw, P_T, and NC values.

Tested in accordance with ASHRAE STD 70, ADC Test Code 1062, ISO 5219, and ISO 3741.

DIRECTIONAL PATTERN 41 - 4 WAY DISCHARGE

MODEL DCC-75 3 SLOT

INLET SIZE	CFM	200	250	275	300	325	350	400	450	500	550	600	650
	THROW	3-4-9	3-5-11	4-6-13	4-7-14	5-7-15	5-8-16	6-9-17	7-10-18	7-11-19	8-13-20	9-14-21	10-15-22
10"	P _T	.04	.06	.07	.08	.10	.11	.15	.19	.23			
	NC	—	21	24	26	29	31	35	38	41			
12"	P _T		.05	.06	.07	.08	.09	.12	.15	.18	.22		
	NC		—	22	24	26	28	32	36	39	41		
14"	P _T			.04	.05	.06	.07	.09	.12	.15	.18	.21	
	NC			—	22	24	26	30	34	36	39	41	
16"	P _T				.04	.05	.06	.08	.10	.12	.15	.18	.21
	NC				20	22	25	28	32	35	37	40	42

MODEL DCC-75 4 SLOT

INLET SIZE	CFM	250	300	350	375	400	450	500	550	600	650	700	750
	THROW	3-5-11	4-7-14	5-8-16	5-8-17	6-9-18	7-10-20	7-11-21	8-12-22	9-14-23	10-15-24	11-16-25	11-17-26
10"	P _T	.05	.07	.10	.12	.13	.17	.20	.25				
	NC	—	24	28	30	32	35	38	41				
12"	P _T		.05	.07	.08	.09	.12	.14	.17	.20	.24		
	NC		—	24	26	28	31	34	36	39	41		
14"	P _T			.05	.06	.07	.08	.11	.13	.15	.18	.21	
	NC			20	22	24	27	30	33	35	38	40	
16"	P _T				.05	.06	.07	.08	.10	.12	.14	.16	.18
	NC					21	25	27	30	33	35	37	39

P_T..... Total pressure (inches of water)

CFM Volumetric air flow rate, cubic feet per minute

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