

# DCD PERFORMANCE DATA

## 1 SLOT

24" NOMINAL LENGTH								48" NOMINAL LENGTH								60" NOMINAL LENGTH								
3/4" slot Ak .05 6" Inlet	CFM	15	25	35	50	75	100	3/4" Slot Ak .10 6" Inlet	CFM	25	50	75	100	125	175	3/4" Slot Ak .12 8" Inlet	CFM	50	75	100	125	150	200	
	PT	.01	.02	.04	.09	.20	.35		PT	.01	.03	.06	.10	.16	.32		PT	.02	.03	.06	.09	.13	.23	
	Throw	5	7	9	11	15	17		Throw	4	10	14	17	19	22		Throw	8	12	17	19	22	24	
	NC	(20)	(20)	(20)	(20)	31	39		NC	(20)	(20)	(20)	22	28	38		NC	(20)	(20)	(20)	23	28	37	
1" Slot Ak .06 6" Inlet	CFM	20	35	50	75	100	125	1" Slot Ak .11 8" Inlet	CFM	50	75	100	150	200	250	1" Slot Ak .14 10" Inlet	CFM	75	100	150	200	250	300	
	Pt	.01	.03	.06	.14	.25	.39		Pt	.02	.04	.06	.14	.26	.40		Pt	.02	.04	.09	.16	.25	.36	
	Throw	5	8	13	15	17	19		Throw	8	13	18	21	23	27		Throw	9	14	20	24	27	28	
	NC	(20)	(20)	(20)	24	31	37		NC	(20)	(20)	(20)	27	34	40		NC	(20)	(20)	(20)	22	30	35	40
1 1/2" Slot Ak .11 8" Inlet	CFM	25	50	85	100	125	175	1 1/2" Slot Ak .11 8" Inlet	CFM	50	100	150	200	250	300	1 1/2" Slot Ak .28 10" Inlet	CFM	75	125	200	250	300	350	
	Pt	.01	.02	.05	.08	.13	.26		Pt	.01	.02	.05	.09	.14	.20		Pt	.01	.02	.05	.08	.12	.16	
	Throw	6	9	13	17	19	24		Throw	4	11	17	22	25	28		Throw	7	13	20	26	29	31	
	NC	(20)	(20)	(20)	21	26	35		NC	(20)	(20)	(20)	24	29	34		NC	(20)	(20)	(20)	25	29	33	

## 2 SLOT

24" NOMINAL LENGTH								48" NOMINAL LENGTH								60" NOMINAL LENGTH							
3/4" slot Ak .10 6" Inlet	CFM	25	50	75	100	125	150	3/4" Slot Ak .19 8" Inlet	CFM	50	100	150	200	250	300	3/4" Slot Ak .24 10" Inlet	CFM	75	125	200	250	300	375
	PT	.01	.03	.06	.10	.16	.22		PT	.01	.03	.06	.10	.16	.23		PT	.01	.02	.06	.10	.14	.22
	Throw	4	10	14	17	20	24		Throw	6	13	19	24	27	30		Throw	7	13	20	26	29	32
	NC	(20)	(20)	(20)	22	28	34		NC	(20)	(20)	(20)	25	31	37		NC	(20)	(20)	(20)	26	31	38
1" Slot Ak .11 6" Inlet	CFM	50	75	100	125	150	200	1" Slot Ak .22 8" Inlet	CFM	100	150	200	250	300	400	1" Slot Ak .28 10" Inlet	CFM	150	200	250	300	400	500
	Pt	.02	.04	.08	.12	.17	.30		Pt	.02	.05	.08	.12	.18	.32		Pt	.03	.05	.07	.10	.18	.29
	Throw	9	13	18	19	22	25		Throw	11	16	21	26	28	33		Throw	14	20	27	29	32	34
	NC	(20)	(20)	(20)	22	27	34		NC	(20)	(20)	(20)	25	30	37		NC	(20)	(20)	(20)	25	33	38
1 1/2" Slot Ak .22 8" Inlet	CFM	50	100	150	200	250	300	1 1/2" Slot Ak .44 12" Inlet	CFM	100	200	300	400	500	600	1 1/2" Slot Ak .55 12" Inlet	CFM	125	250	375	500	600	750
	Pt	.01	.02	.05	.09	.14	.20		Pt	.01	.02	.05	.08	.13	.19		Pt	.01	.02	.05	.09	.13	.21
	Throw	6	12	19	23	27	30		Throw	6	16	25	29	35	40		Throw	7	18	28	35	40	44
	NC	(20)	(20)	(20)	24	29	34		NC	(20)	(20)	(20)	27	32	37		NC	(20)	(20)	(20)	28	32	38

## 3 SLOT

24" NOMINAL LENGTH								48" NOMINAL LENGTH								60" NOMINAL LENGTH									
3/4" slot Ak .14 8" Inlet	CFM	50	75	125	175	225	250	3/4" Slot Ak .29 10" Inlet	CFM	75	150	225	300	375	450	3/4" Slot Ak .36 12" Inlet	CFM	100	200	300	400	500	600		
	PT	.01	.02	.07	.13	.21	.26		PT	.01	.03	.06	.10	.16	.23		PT	.01	.03	.06	.11	.17	.25		
	Throw	7	11	19	22	26	28		Throw	6	17	26	30	33	37		Throw	8	20	30	34	39	44		
	NC	(20)	(20)	(20)	28	35	39		NC	(20)	(20)	(20)	27	33	38		NC	(20)	(20)	(20)	21	30	36	41	
1" Slot Ak .17 8" Inlet	CFM	75	100	150	175	225	300	1" Slot Ak .34 10" Inlet	CFM	150	225	300	400	500	600	1" Slot Ak .42 12" Inlet	CFM	200	300	400	500	600	700		
	Pt	.02	.03	.07	.10	.16	.28		Pt	.02	.04	.08	.14	.22	.31		Pt	.02	.05	.09	.13	.19	.25		
	Throw	10	15	22	23	26	30		Throw	16	23	31	34	39	43		Throw	18	28	34	38	43	46		
	NC	(20)	(20)	(20)	22	29	36		NC	(20)	(20)	(20)	21	29	34	39		NC	(20)	(20)	(20)	24	30	34	38
1 1/2" Slot Ak .33 10" Inlet	CFM	75	125	200	250	300	375	1 1/2" Slot Ak .66 12" Inlet	CFM	125	250	375	500	600	700	1 1/2" Slot Ak .83 12" Inlet	CFM	150	300	500	600	700	800		
	Pt	.01	.02	.04	.06	.09	.14		Pt	.01	.02	.04	.07	.10	.14		Pt	.01	.02	.06	.08	.11	.14		
	Throw	5	12	20	26	29	32		Throw	5	17	27	36	42	45		Throw	5	19	32	39	46	48		
	NC	(20)	(20)	(20)	21	25	31		NC	(20)	(20)	(20)	24	28	32		NC	(20)	(20)	(20)	24	28	31		

## 4 SLOT

24" NOMINAL LENGTH								48" NOMINAL LENGTH								60" NOMINAL LENGTH									
3/4" slot Ak .19 8" Inlet	CFM	50	100	150	200	250	300	3/4" Slot Ak .39 10" Inlet	CFM	100	200	300	400	500	600	3/4" Slot Ak .48 12" Inlet	CFM	150	250	400	500	600	750		
	PT	.01	.03	.06	.10	.16	.24		PT	.01	.03	.06	.10	.16	.22		PT	.01	.03	.07	.11	.16	.25		
	Throw	5	14	20	24	28	30		Throw	7	19	29	34	39	43		Throw	12	21	34	38	43	47		
	NC	(20)	(20)	(20)	25	31	37		NC	(20)	(20)	(20)	28	34	40		NC	(20)	(20)	(20)	23	29	34	41	
1" Slot Ak .22 8" Inlet	CFM	100	150	200	250	300	400	1" Slot Ak .45 12" Inlet	CFM	200	300	400	500	600	700	1" Slot Ak .56 12" Inlet	CFM	300	400	500	600	700	800		
	Pt	.02	.05	.08	.12	.18	.32		Pt	.02	.04	.08	.12	.17	.23		Pt	.03	.05	.09	.12	.17	.22		
	Throw	13	19	26	28	30	34		Throw	18	27	36	39	43	46		Throw	24	32	40	43	46	49		
	NC	(20)	(20)	(20)	25	30	37		NC	(20)	(20)	(20)	22	28	33	37		NC	(20)	(20)	(20)	23	28	32	36
1 1/2" Slot Ak .44 10" Inlet	CFM	75	150	225	300	375	450	1 1/2" Slot Ak .88 12" Inlet	CFM	150	300	450	600	750	900	1 1/2" Slot Ak 1.10 12" Inlet	CFM	175	375	575	750	900	1000		
	Pt	.01	.02	.03	.06	.09	.13		Pt	.01	.02	.04	.07	.12	.17		Pt	.01	.02	.06	.10	.14	.17		
	Throw	3	13	19	27	33	35		Throw	5	18	28	37	47	50		Throw	5	20	32	42	50	53		
	NC	(20)	(20)	(20)	25	30		NC	(20)	(20)	(20)	22	28	33		NC	(20)	(20)	(20)	23	28	31			

Pt - Total Pressure in inches of water with horizontal throw.  
 Throw - Horizontal distances in feet to a terminal velocity of 50 FPM. Throws values are 1-way.  
 NC - Noise Criteria based on 10 db room absorption.