

**SELECTION DATA**

**SLOT DIFFUSERS - SUPPLY AIR - HORIZONTAL PATTERN (MODEL SD - 50 ½" SLOT)**

CFM PER FT	1 SLOT				2 SLOT				3 SLOT				4 SLOT			
	DIF				DIF				DIF				DIF			
	SP	NC	MIN	MAX	SP	NC	MIN	MAX	SP	NC	MIN	MAX	SP	NC	MIN	MAX
10	.02	-	3	10												
15	.04	19	5	15	.01	-	3	11								
20	.06	26	6	17	.02	-	4	14								
25	.10	32	8	19	.03	17	5	17	.01	-	4	15				
30	.14	37	9	21	.04	22	7	20	.02	-	5	18	.01	-	4	15
35	.19	41	10	23	.05	26	8	22	.02	18	6	21	.01	-	5	18
40	.07	29	9	4	.03	21	7	23	.02	-	6	20				
45	.08	32	10	26	.04	24	8	25	.02	-	7	23				
50	.10	35	11	27	.05	26	9	26	.03	20	8	25				
60	.15	40	13	30	.07	31	11	30	.04	25	9	29				
70	.09	35	12	33	.05	29	11	32								
80	.11	39	14	35	.06	32	12	34								
90	.15	42	16	37	.08	35	14	36								
100	.10	38	15	38												
120	.15	43	18	42												
	5 SLOT				6 SLOT				7 SLOT				8 SLOT			
35	.01	-	4	16												
40	.01	-	5	18	.01	-	4	17								
45	.01	-	6	21	.01	-	5	19								
50	.02	-	7	23	.01	-	6	21	.01	-	5	20	.01	-	4	18
60	.02	20	8	28	.02	-	8	25	.01	-	6	23	.01	-	5	22
70	.03	24	10	32	.02	20	9	29	.02	-	8	27	.01	-	7	25
80	.04	28	11	35	.03	24	10	33	.02	21	9	31	.02	18	9	29
90	.05	31	12	36	.04	27	11	35	.03	24	10	34	.02	21	10	32
100	.06	33	14	39	.05	30	13	38	.03	26	12	37	.03	23	11	36
120	.09	38	16	43	.06	34	15	42	.05	31	14	41	.04	28	13	41
140	.13	42	19	46	.09	38	17	45	.07	35	16	44	.05	32	15	44
160	.12	42	20	49	.09	38	18	48	.06	35	17	48				
180	.11	41	21	51	.08	38	19	50								
200	.10	41	21	54												

**SLOT DIFFUSERS - SUPPLY AIR - VERTICAL PROJECTION (MODEL SD - 50 ½" SLOT)**

**H- HEATING C - COOLING**

CFM PER FT	1 SLOT				2 SLOT				3 SLOT				4 SLOT			
	PROJ				PROJ				PROJ				PROJ			
	SP	NC	H	C	SP	NC	H	C	SP	NC	H	C	SP	NC	H	C
10	.01	-	3	5												
15	.02	-	4	7												
20	.03	-	5	9	.01	-	4	7								
25	.05	19	7	11	.01	-	5	9								
30	.07	23	8	14	.02	-	6	10	.01	-	4	7				
35	.10	27	9	15	.02	-	6	11	.01	-	5	9				
40	.13	30	10	16	.03	-	7	12	.01	-	6	11				
45	.16	33	11	18	.04	18	8	14	.02	-	7	12	.01	-	6	10
50	.20	36	13	21	.05	21	10	16	.02	-	8	14	.01	-	7	12
60	.29	41	15	24	.07	26	11	18	.03	18	9	15	.02	-	8	14
70	.10	30	13	21	.04	22	10	16	.02	-	9	15				
80	.13	34	15	24	.06	25	12	19	.03	19	10	16				
90	.16	37	17	26	.07	28	13	21	.04	22	12	19				
100	.20	39	19	30	.09	31	15	24	.05	24	13	21				
120	.24	42	22	36	.13	36	18	29	.07	29	15	24				
140	.18	40	21	33	.10	33	18	29								
	5 SLOT				6 SLOT				7 SLOT				8 SLOT			
35																
40	.01	-	4	7												
45	.01	-	5	9												
50	.01	-	6	10	.01	-	5	9								
60	.01	-	7	11	.01	-	6	10	.01	-	6	10				
70	.02	-	8	14	.01	-	7	11	.01	-	7	11	.01	-	6	10
80	.02	-	9	16	.01	-	8	14	.01	-	8	14	.01	-	7	11
90	.03	17	11	18	.02	-	10	16	.01	-	9	16	.01	-	8	14
100	.03	20	12	20	.02	-	11	18	.02	-	10	17	.01	-	9	16
120	.05	24	14	23	.03	20	13	21	.02	17	12	20	.02	-	11	18
140	.06	28	16	26	.04	24	14	23	.03	21	14	23	.03	18	13	21
160	.08	32	19	31	.06	28	17	26	.04	25	16	26	.03	22	15	24
180	.10	35	21	33	.07	31	19	31	.05	28	18	29	.04	25	17	27
200	.13	38	23	37	.09	34	21	33	.07	31	20	32	.05	28	18	29
250					.14	40	26	42	.10	37	23	37	.08	34	21	33
300									.15	41	29	48	.12	38	27	45

**SELECTION DATA**

**SLOT DIFFUSERS - SUPPLY AIR - HORIZONTAL PATTERN (MODEL SD - 75 3/4" SLOT)**

CFM PER FT	1 SLOT				2 SLOT				3 SLOT				4 SLOT			
	DIF				DIF				DIF				DIF			
	SP	NC	MIN	MAX	SP	NC	MIN	MAX	SP	NC	MIN	MAX	SP	NC	MIN	MAX
10	.01	-	2	8												
15	.02	-	4	12												
20	.04	-	5	17												
25	.06	17	6	19												
30	.09	22	7	20	.02	-	5	18								
35	.12	26	8	22	.03	-	6	22								
40	.15	29	10	24	.04	-	7	24								
45	.20	32	11	25	.05	-	8	25	.02	-	6	22				
50	.24	35	12	27	.06	20	9	26	.03	-	7	24	.01	-	5	20
60		40	15	29	.09	25	11	29	.04	-	9	28	.02	-	7	25
70					.11	29	12	32	.05	20	10	32	.03	-	9	28
80					.15	32	14	34	.07	24	11	33	.04	-	10	32
90					.19	35	16	37	.09	27	13	35	.05	20	11	34
100					.24	38	18	39	.11	30	14	38	.06	23	12	37
120					.34	43	22	43	.15	35	17	42	.09	28	13	41
140									.20	38	20	45	.11	32	17	44
160									.26	42	23	48	.15	35	19	48
180													.19	38	22	51
200													.24	41	24	54
	5 SLOT				6 SLOT				7 SLOT				8 SLOT			
80	.01	-	9	30												
90	.03	-	10	34												
100	.04	18	11	37	.03	-	10	34								
120	.06	23	13	40	.04	19	12	40	.03	-	11	37				
140	.07	27	15	45	.05	23	14	44	.04	20	13	43	.03	-	12	41
160	.10	30	18	47	.07	27	16	47	.05	24	14	46	.04	20	14	46
180	.12	33	20	51	.09	30	18	50	.07	27	16	49	.05	23	16	49
200	.15	36	22	54	.10	33	20	54	.08	30	18	53	.06	26	18	52
220	.18	39	24	46	.13	35	22	55	.09	32	20	55	.07	28	19	55
240	.22	41	26	59	.15	37	24	58	.11	34	22	58	.08	31	21	58
260					.18	39	26	60	.13	36	24	60	.10	33	23	60
280					.21	41	29	63	.15	38	26	62	.12	35	24	62
300									.17	40	28	65	.13	36	26	65
325													.15	39	28	68
350													.18	41	30	70

**SLOT DIFFUSERS - SUPPLY AIR - VERICAL PROJECTION (MODEL SD - 75 3/4" SLOT)**

**H - HEATING C - COOLING**

CFM PER FT	1 SLOT				2 SLOT				3 SLOT				4 SLOT			
	PROJ				PROJ				PROJ				PROJ			
	SP	NC	H	C	SP	NC	H	C	SP	NC	H	C	SP	NC	H	C
15	.01	-	4	7												
20	.02	-	5	9												
25	.03	-	6	10												
30	.04	-	7	12	.01	-	4	9								
35	.06	18	8	13	.01	-	5	9								
40	.07	21	9	14	.02	-	6	10								
45	.10	24	10	16	.02	-	7	12	.01	-	6	10				
50	.12	27	11	18	.03	-	8	13	.01	-	7	12				
60	.16	32	13	21	.04	17	10	16	.02	-	8	13	.01	-	7	12
70	.22	36	16	25	.06	21	11	18	.03	-	9	14	.01	-	8	13
80	.30	39	18	29	.07	25	13	21	.03	-	10	16	.02	-	9	14
90	.37	42	20	32	.09	28	15	23	.04	19	12	19	.02	-	10	16
100					.11	30	16	25	.05	22	13	21	.03	-	11	18
120					.16	35	19	30	.07	27	15	23	.04	20	14	2
140					.22	39	22	35	.10	30	18	29	.06	24	16	25
160									.13	34	21	34	.07	26	18	29
180									.16	37	23	37	.10	30	20	32
200									.20	39	26	41	.12	33	22	35
225													.15	36	25	40
	5 SLOT				6 SLOT				7 SLOT				8 SLOT			
80	.01	-	9	14												
100	.02	-	11	18												
120	.03	-	12	19	.02	-	12	19	.01	-	11	18				
140	.04	19	14	22	.02	-	13	21	.02	-	12	19	.01	-	11	18
160	.05	22	16	25	.03	19	15	23	.02	-	13	21	.02	-	12	19
180	.06	25	18	29	.04	22	17	27	.03	19	15	23	.02	-	13	21
200	.07	28	20	32	.05	24	18	29	.04	21	16	25	.03	18	15	23
225	.09	31	22	35	.06	27	20	32	.05	24	18	29	.04	21	17	27
250	.12	34	25	40	.08	30	22	35	.06	27	21	34	.04	23	20	32
275	.14	36	27	43	.09	32	25	40	.07	30	23	37	.05	26	22	35
300	.17	39	29	46	.11	35	27	43	.08	33	25	40	.06	28	24	38
325	.20	41	31	50	.13	37	29	46	.10	34	27	43	.08	30	25	40
350					.16	39	31	48	.12	36	29	46	.09	32	27	43
400					.20	42	36	54	.15	39	33	51	.12	36	31	50

**SELECTION DATA**

**SLOT DIFFUSERS - SUPPLY AIR - HORIZONTAL PATTERN (MODEL SD - 100 1" SLOT)**

CFM PER FT	1 SLOT DIF				2 SLOT DIF				3 SLOT DIF				4 SLOT DIF			
	SP	NC	MIN	MAX	SP	NC	MIN	MAX	SP	NC	MIN	MAX	SP	NC	MIN	MAX
20	.02	-	4	15												
25	.03	-	5	18												
30	.05	-	6	20												
35	.06	22	7	22												
40	.08	25	9	24												
50	.13	31	11	27	.03	-	8	25	.01	-	6	22				
60	.18	36	13	29	.05	21	9	29	.02	-	7	25	.01	-	5	21
70	.25	40	15	32	.06	25	11	32	.03	-	8	28	.02	-	7	25
80					.08	28	12	34	.04	20	10	34	.02	-	9	29
90					.10	30	14	36	.05	23	11	36	.03	-	10	33
100					.13	34	16	38	.06	26	13	38	.03	19	11	36
110					.16	37	17	40	.07	29	14	40	.04	22	12	39
120					.18	39	18	42	.08	31	15	42	.05	24	13	41
140					.25	43	22	42	.11	35	18	45	.06	28	15	45
160									.14	38	20	48	.08	31	17	48
180									.18	41	22	51	.11	34	19	51
200													.13	37	22	54
220													.16	40	24	57

**SLOT DIFFUSERS - SUPPLY AIR - VERTICAL PROJECTION (MODEL SD - 100 1" SLOT)**

**H - HEATING C- COOLING**

CFM PER FT	1 SLOT DIF				2 SLOT DIF				3 SLOT DIF				4 SLOT DIF			
	SP	NC	MIN	MAX	SP	NC	MIN	MAX	SP	NC	MIN	MAX	SP	NC	MIN	MAX
20	.01	-	4	7												
25	.02	-	5	9												
30	.02	-	6	11												
40	.04	-	8	12	.01	-	6	10								
50	.06	22	10	16	.02	-	7	12								
60	.09	27	12	20	.02	-	9	14	.01	-	7	12				
70	.13	31	14	23	.03	-	10	16	.01	-	8	13				
80	.17	35	16	25	.04	19	12	20	.02	-	9	14	.01	-	8	13
90	.21	39	18	29	.05	22	13	21	.02	-	10	16	.01	-	9	14
100					.06	25	15	23	.03	-	12	20	.02	-	10	16
120					.09	30	17	27	.04	22	14	22	.02	-	12	20
140					.13	34	20	32	.06	26	16	25	.03	19	14	22
160					.17	38	22	35	.07	29	18	29	.04	22	16	25
180									.09	32	21	34	.05	25	18	29
200									.11	35	23	37	.07	28	20	32
180									.18	41	22	51	.11	34	19	51
220									.13	38	25	40	.08	31	22	35

**SELECTION DATA**

**SLOT DIFFUSERS - RETURN AIR (MODEL SD - 50 ½" SLOT)**

CFM PER FT	1 SLOT		2 SLOT		3 SLOT		4 SLOT	
	-SP	DIF NC	-SP	DIF NC	-SP	DIF NC	-SP	DIF NC
10	.01	-						
15	.03	-						
20	.04	20	.01	-				
25	.07	25	.02	-				
30	.10	30	.03	-	.01	-		
35	.14	34	.03	19	.01	-		
40	.18	37	.04	22	.02	-	.01	-
45	.23	40	.06	25	.02	-	.01	-
50			.07	28	.03	20	.02	-
60			.10	33	.04	25	.02	18
70			.14	37	.06	29	.03	22
80			.18	40	.08	32	.04	26
90					.10	35	.06	29
100					.12	38	.07	31
120					.17	42	.10	36
140							.14	40
CFM	5 SLOT		6 SLOT		7 SLOT		8 SLOT	
45	.01	-						
50	.01	-	.01	-				
60	.02	-	.01	-	.01	-	.01	-
70	.02	-	.02	-	.01	-	.01	-
80	.03	20	.02	-	.01	-	.01	-
90	.04	23	.03	19	.02	-	.01	-
100	.05	26	.03	22	.02	19	.02	-
120	.06	31	.05	27	.03	24	.03	21
140	.09	35	.06	31	.05	28	.04	25
160	.12	38	.08	34	.06	31	.05	28
180	.15	41	.10	37	.08	34	.06	31
200			.13	40	.09	37	.07	34
250					.15	43	.11	40

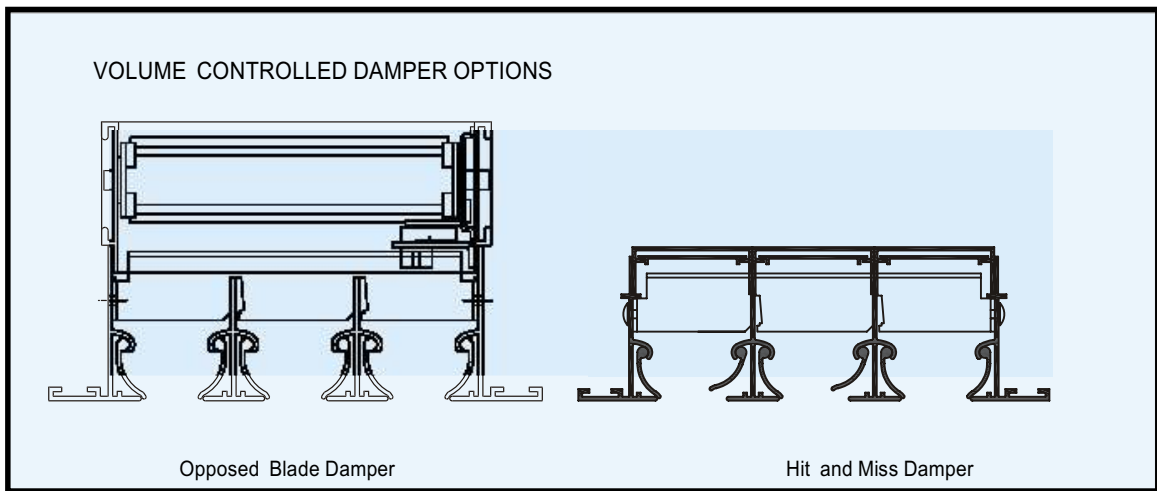
**SLOT DIFFUSERS - RETURN AIR (MODEL SD - 75 ¾" SLOT)**

CFM PER FT	1 SLOT		2 SLOT		3 SLOT		4 SLOT	
	-SP	DIF NC	-SP	DIF NC	-SP	DIF NC	-SP	DIF NC
-								
20	.02	-						
25	.03	-						
30	.04	21	.01	-				
35	.06	25	.01	-				
40	.08	29	.02	-				
45	.10	32	.02	-	.01	-		
50	.12	35	.03	20	.01	-		
60	.17	39	.04	24	.02	-	.01	-
70			.06	29	.03	20	.01	-
80			.08	32	.03	23	.02	-
90			.10	35	.04	26	.02	20
100			.12	37	.05	29	.03	23
120			.17	42	.08	34	.04	28
140					.10	38	.06	31
160					.14	42	.08	35
180							.10	38
200							.12	41
CFM	5 SLOT		6 SLOT		7 SLOT		8 SLOT	
70	.01	-						
80	.01	-	.01	-				
90	.02	-	.01	-	.01	-		
100	.02	18	.01	-	.01	-		
120	.03	22	.02	19	.01	-	.01	-
140	.04	26	.03	23	.02	20	.01	-
160	.05	29	.03	26	.03	23	.02	20
180	.07	33	.04	30	.03	27	.02	24
200	.08	36	.05	33	.04	30	.03	27
250	.12	42	.08	39	.06	36	.05	33
300			.12	43	.09	40	.07	37
300			.12	43	.09	40	.07	37
350							.09	40

SELECTION DATA

SLOT DIFFUSERS - RETURN AIR (MODEL SD-100 1" SLOT)

CFM PER FT	1 SLOT		2 SLOT		3 SLOT		4 SLOT	
	-SP	DIF NC	-SP	DIF NC	-SP	DIF NC	-SP	DIF NC
20	.01	-						
25	.01	-						
30	.02	18	.01	-				
40	.04	25	.01	-				
50	.06	31	.02	-	.01	-		
60	.09	36	.02	21	.01	-		
70	.13	40	.03	25	.01	-	.01	-
80			.04	28	.02	20	.01	-
90			.05	31	.02	23	.01	-
100			.06	34	.03	26	.02	19
120			.09	39	.04	31	.02	24
140			.13	43	.06	35	.03	28
160					.07	38	.04	31
180					.09	40	.05	34
200							.07	37
220							.08	40



Number of Slots	S = 12.5 mm		S = 19 mm		S = 25 mm	
	D	O	D	O	D	O
1	45	70	51	76	57	82
2	76	101	88	113	101	126
3	108	133	126	151	145	170
4	139	164	163	188	189	214
5	171	196	201	226	233	258
6	202	227	238	263	277	302
7	234	259	276	301	321	346
8	265	290	313	338	365	390

