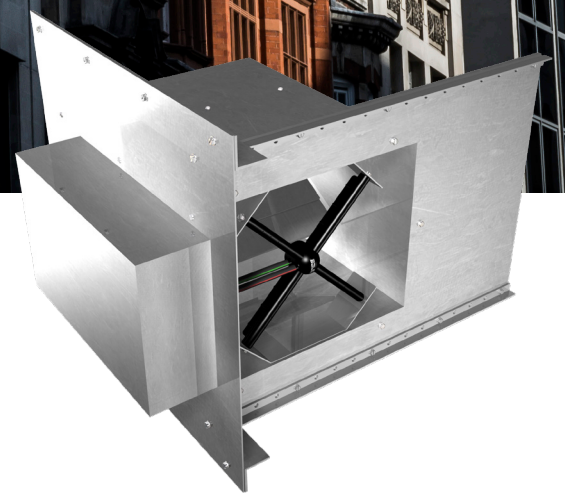


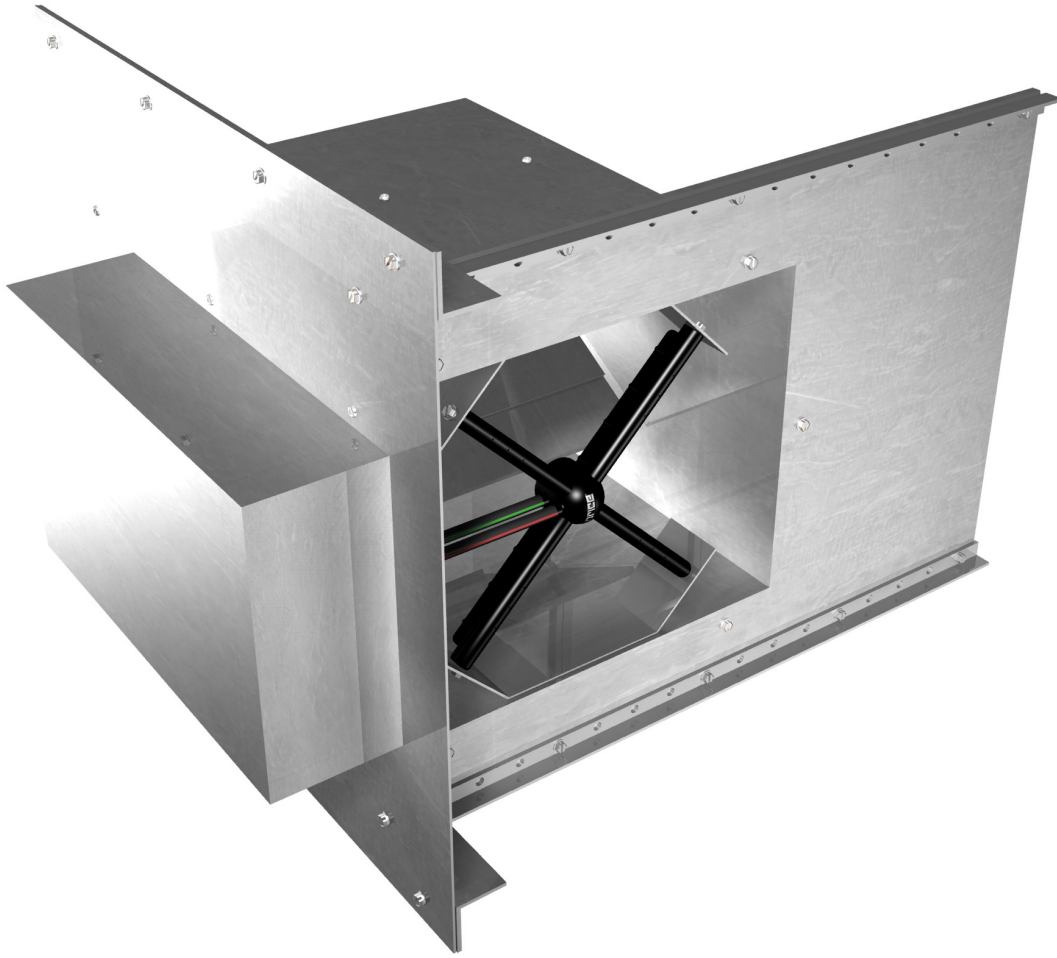
SRDV

SLIDE-IN RETROFIT TERMINAL UNIT

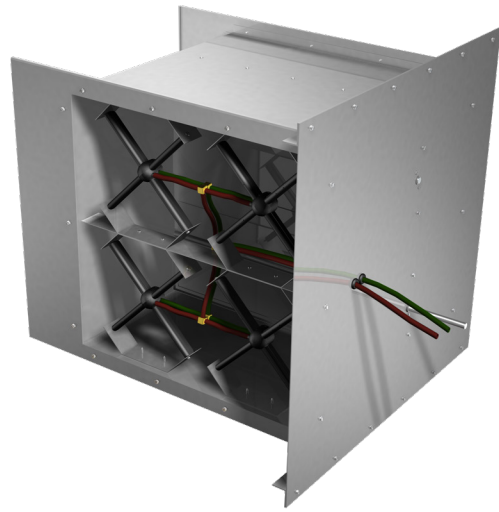


SRDV

Slide-In Retrofit Terminal Unit



*Slide-In Retrofit Terminal Unit
- Discharge View*



SRDV Sizing Adaptability

ENGINEERED PERFORMANCE

Price SRDV retrofit terminal units are designed for installation in rectangular ductwork to easily convert a constant volume system into a variable air volume (VAV) system. To install the SRDV and convert the system to variable air volume, simply cut a rectangular hole in the existing ductwork and slide in the SRDV retrofit terminal unit. The unit can then be fastened to the duct with a heavy gauge mounting plate and steel mounting angles.

CONSTRUCTION VERSATILITY

SRDV retrofit terminal units are available in 15 standard sizes to accommodate capacities ranging from 50 to 13,500 cfm. Custom sizing is also available to further increase the size and airflow range.

TYPICAL APPLICATIONS

The SRDV is a fully pressure independent retrofit terminal unit, ideal for converting outdated constant volume systems to energy efficient VAV systems. The compact, lightweight design allows for easy installation, while the easily accessible, externally mounted controls provide convenient access to control components.

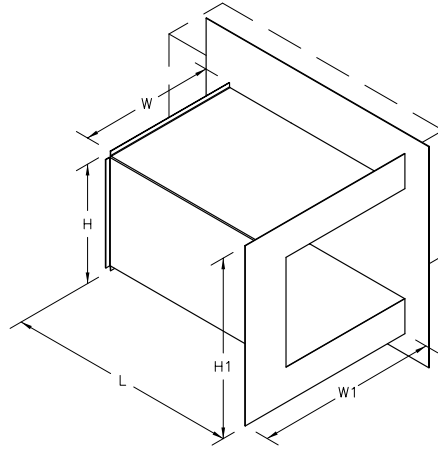
STANDARD DESIGN

- + Multipoint crossflow sensor for accurate flow measurement
- + 20 GA. zinc-coated steel, gasketed damper for reduced leakage
- + Solid ½ in. zinc-plated steel damper shaft with damper position indicator
- + Nylon bearings for reduced wear
- + 20 GA. control panel and mounting angles

OPTIONAL FEATURES

- + Vertical flow, up or down
- + Zero clearance construction

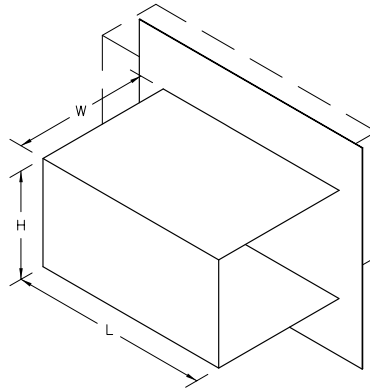
DIMENSIONAL DATA



SRDV Basic Unit

Length (L)	Damper Housing		Duct Sizes	
	Height (H)	Width (W)	Height (H1)	Width (W1)
14 5/8 in. to 20 5/8 in.	5 in. to 20 in.	5 in. to 40 in.	Up to 26 in.	Up to 52 in.

Duct height (H1) & Width (W2) must be larger than (H) & (W).



SRDV Zero Clearance

Length (L)	Damper Housing	
	Height (H)	Width (W)
14 5/8 in. to 20 5/8 in.	5 in. to 20 in.	5 in. to 40 in.

Damper housing (H) & (W) to match Duct Sizes.

PERFORMANCE DATA

SRDV Slide-in Retrofit – Standard Sizes

Single Blade Damper

Unit Size	Available Duct Sizes								Height H	L
	Width W									
5 x 5	5	6	8	10	12				5	14 5/8
		6	8	10	12				6	
			8	10	12				8	
				10	12				9	
6 x 6	6	8	10	12	14				6	14 5/8
		8	10	12	14				8	
			10	12	14				9	
				10	12	14			10	
8 x 6	8	10	12	14	16				6	14 5/8
	8	10	12	14	16				8	
		10	12	14	16				9	
			10	12	14	16			10	
10 x 8	10	12	14	16	18				8	14 5/8
	10	12	14	16	18				9	
		12	14	16	18				10	
			12	14	16	18			12	
14 x 8	14	16	18	20	22	24			8	14 5/8
	14	16	18	20	22	24			9	
	14	16	18	20	22	24			10	
	14	16	18	20	22	24			12	
18 x 6	18	20	22	24	26				6	14 5/8
	18	20	22	24	26				8	
	18	20	22	24	26				9	
	18	20	22	24	26				10	
12 x 10	12	14	16	18	20	22	24		10	14 5/8
	12	14	16	18	20	22	24		12	
		14	16	18	20	22	24		14	
			16	18	20	22	24		16	
18 x 10	18	20	22	24	26	28	30		10	14 5/8
	18	20	22	24	26	28	30		12	
	18	20	22	24	26	28	30		14	
18 x 12	18	20	22	24	26	28			12	18 5/8
	18	20	22	24	26	28			14	
	18	20	22	24	26	28			16	
20 x 14	20	22	24	26	28	30			14	18 5/8
	20	22	24	26	28	30			16	
	20	22	24	26	28	30			18	
30 x 12	30	32	34	36					12	18 5/8
	30	32	34	36					14	
	30	32	34	36					16	
22 x 16	22	24	26	28	30	32	34	36	16	20 5/8
	22	24	26	28	30	32	34	36	18	
	22	24	26	28	30	32	34	36	20	

Dual Blade Damper

Unit Size	Available Duct Sizes								Height H	L	
	Width W										
24 x 18	24	26	28	30	32	34	36		18	14 5/8	
	24	26	28	30	32	34	36		20		
	24	26	28	30	32	34	36		24		
	24	26	28	30	32	34	36		26		
30 x 20	30	32	34	36	38	40	42	44	46	20	14 5/8
	30	32	34	36	38	40	42	44	46	24	
	30	32	34	36	38	40	42	44	46	26	
40 x 20	40	42	44	46	48	50	52			20	14 5/8
	40	42	44	46	48	50	52			24	
	40	42	44	46	48	50	52			26	

PERFORMANCE DATA

SRDV – Recommended Air Volume Ranges

Pneumatic

Damper Size	cfm Min.*	cfm Max.
5 x 5	65	300
6 x 6	100	450
8 x 6	150	600
10 x 8	250	1000
14 x 8	350	1400
18 x 6	350	1350
12 x 10	400	1500
18 x 10	600	2200
18 x 12	700	2700
20 x 14	900	3500
30 x 12	1200	4500
22 x 16	1200	4400
24 x 18	1400	5400
30 x 20	2350	9000
40 x 20	3150	10000

Digital Controls

Damper Size	cfm Min.*	cfm Max.
5 x 5	65	300
6 x 6	100	450
8 x 6	150	600
10 x 8	250	1000
14 x 8	350	1400
18 x 6	350	1350
12 x 10	400	1500
18 x 10	600	2200
18 x 12	700	2700
20 x 14	900	3500
30 x 12	1200	4500
22 x 16	1200	4400
24 x 18	1400	5400
30 x 20	2350	9000
40 x 20	3150	10000

Notes:

Factory calibrated controls must be selected within the above flow range limits. A minimum value of zero is also available. When an auxiliary flow setting is specified, the value must be greater than the minimum setting and within the range limits.

On controls mounted by Price but supplied by others, the air volume ranges are guidelines only.

*Minimum airflow limit is based on min .02 in. w.g. differential pressure signal from airflow sensor. Selection of air regulated flow limit below the listed values is not recommended. The actual performance will vary depending on the terminal unit controls supplied.

Maximum airflow limit is based on a maximum damper velocity of 1800 fpm.

PERFORMANCE DATA

SRDV – Typical Selection Guide

Unit Size	Duct Size W x H	cfm	Min ΔPs	Sound, Noise Criteria							
				Radiated				Discharge			
				ΔPs Across Unit				ΔPs Across Unit			
0.5 in. w.g.	1.0 in. w.g.	2.0 in. w.g.	3.0 in. w.g.	0.5 in. w.g.	1.0 in. w.g.	2.0 in. w.g.	3.0 in. w.g.				
5 x 5	5 x 5	75	0.004	24	31	37	41	-	23	31	36
		100	0.007	25	31	37	41	16	24	32	37
		150	0.016	25	32	38	42	17	25	33	38
		175	0.021	26	32	38	42	18	26	34	39
		200	0.028	26	32	39	42	18	26	34	39
	8 x 8	75	0.023	16	22	29	33	-	16	24	29
		100	0.040	17	23	29	33	-	17	25	30
		150	0.091	17	24	30	34	-	18	26	31
		175	0.124	18	24	30	34	-	19	27	32
		200	0.162	18	24	31	34	-	19	27	32
	12 x 9	75	0.042	-	18	24	28	-	-	20	25
		100	0.074	-	18	25	29	-	-	21	26
150		0.167	-	19	26	29	-	-	22	27	
175		0.228	-	19	26	30	-	-	23	28	
200		0.297	-	20	26	30	-	15	23	28	
6 x 6	6 x 6	100	0.003	24	30	37	41	-	22	31	35
		150	0.007	25	31	38	41	16	24	32	37
		200	0.013	25	32	38	42	17	25	33	38
		250	0.021	26	32	38	42	18	26	34	39
		350	0.041	26	33	39	43	19	27	35	40
	10 x 8	100	0.016	17	24	30	34	-	16	25	29
		150	0.036	18	24	31	34	-	18	26	31
		200	0.065	18	25	31	35	-	19	27	32
		250	0.101	19	25	32	35	-	20	28	33
		350	0.198	19	26	32	36	-	21	29	34
	14 x 10	100	0.032	-	19	25	29	-	-	20	25
		150	0.072	-	19	26	30	-	-	22	27
		200	0.128	-	20	26	30	-	-	23	28
		250	0.200	-	20	27	30	-	16	24	28
		350	0.392	-	21	27	31	-	17	25	30
8 x 6	8 x 6	150	0.004	24	31	37	41	-	23	31	36
		250	0.012	25	32	38	42	17	25	33	38
		350	0.023	26	32	38	42	18	26	34	39
		450	0.038	26	33	39	43	19	27	35	40
		500	0.047	26	33	39	43	19	27	35	40
	12 x 9	150	0.021	17	24	30	34	-	17	25	30
		250	0.058	18	25	31	35	-	19	27	31
		350	0.113	19	25	31	35	-	20	28	33
		450	0.187	19	26	32	36	-	21	29	34
		500	0.231	19	26	32	36	-	21	29	34
	16 x 10	150	0.034	-	20	27	30	-	-	22	27
		250	0.094	-	21	28	31	-	16	24	29
		350	0.185	15	22	28	32	-	17	25	30
		450	0.306	16	22	29	32	-	18	26	31
		500	0.377	16	22	29	32	-	18	26	31
10 x 8	10 x 8	300	0.006	25	31	37	41	15	24	32	36
		450	0.014	25	32	38	42	17	25	33	38
		600	0.024	26	32	39	42	18	26	34	39
		725	0.035	26	32	39	43	19	27	35	40
		875	0.052	26	33	39	43	19	27	36	40
	14 x 10	300	0.021	20	26	33	36	-	19	27	32
		450	0.047	20	27	33	37	-	21	29	34
		600	0.083	21	27	34	37	-	22	30	35
		725	0.121	21	28	34	38	-	23	31	35
		875	0.176	22	28	34	38	15	23	31	36
	18 x 14	300	0.046	-	21	27	31	-	-	23	28
		450	0.103	15	22	28	32	-	16	24	29
		600	0.183	16	22	29	32	-	17	26	30
		725	0.267	16	23	29	33	-	18	26	31
		875	0.389	17	23	29	33	-	19	27	32

For Performance Notes, see end of section.

PERFORMANCE DATA

SRDV – Typical Selection Guide

Unit Size	Duct Size W x H	cfm	Min ΔPs	Sound, Noise Criteria							
				Radiated				Discharge			
				ΔPs Across Unit				ΔPs Across Unit			
				0.5 in. w.g.	1.0 in. w.g.	2.0 in. w.g.	3.0 in. w.g.	0.5 in. w.g.	1.0 in. w.g.	2.0 in. w.g.	3.0 in. w.g.
14 x 8	14 x 8	500	0.009	25	31	38	41	16	24	32	37
		700	0.017	25	32	38	42	17	25	34	38
		900	0.028	26	32	39	42	18	26	34	39
		1100	0.042	26	33	39	43	19	27	35	40
		1250	0.054	26	33	39	43	19	28	36	40
	18 x 10	500	0.026	21	27	34	37	-	21	29	33
		700	0.05	21	28	34	38	-	22	30	35
		900	0.083	22	28	35	38	-	23	31	36
		1100	0.124	22	29	35	39	15	24	32	36
		1250	0.16	22	29	35	39	16	24	32	37
	24 x 12	500	0.061	15	22	28	32	-	16	24	29
		700	0.12	16	22	29	32	-	17	25	30
		900	0.198	16	23	29	33	-	18	26	31
		1100	0.296	17	23	30	33	-	19	27	32
		1250	0.383	17	23	30	33	-	19	27	32
18 x 6	18 x 6	500	0.009	25	31	38	41	16	24	32	37
		750	0.021	26	32	38	42	18	26	34	39
		1000	0.037	26	32	39	43	19	27	35	40
		1250	0.058	26	33	39	43	20	28	36	41
		1400	0.072	27	33	39	43	20	28	36	41
	22 x 9	500	0.034	20	26	32	36	-	20	28	33
		750	0.076	20	27	33	37	-	21	29	34
		1000	0.136	21	27	34	37	-	22	30	35
		1250	0.212	21	28	34	38	15	23	31	36
		1400	0.266	21	28	34	38	15	24	32	36
	26 x 10	500	0.05	17	24	30	34	-	18	26	31
		750	0.112	18	24	31	35	-	19	27	32
		1000	0.2	19	25	31	35	-	20	28	33
		1250	0.312	19	25	32	35	-	21	29	34
		1400	0.392	19	26	32	36	-	21	30	34
12 x 10	12 x 10	650	0.013	25	32	38	42	17	25	33	38
		800	0.019	26	32	38	42	18	26	34	39
		950	0.027	26	32	39	42	18	26	34	39
		1100	0.036	26	32	39	43	19	27	35	40
		1300	0.051	26	33	39	43	19	27	36	40
	18 x 14	650	0.057	19	25	32	35	-	19	27	32
		800	0.086	19	26	32	36	-	20	28	33
		950	0.121	19	26	32	36	-	21	29	34
		1100	0.163	20	26	32	36	-	21	29	34
		1300	0.227	20	26	33	37	-	22	30	35
	24 x 16	650	0.097	15	22	28	32	-	16	24	29
		800	0.147	16	22	28	32	-	17	25	30
		950	0.208	16	22	29	32	-	18	26	30
		1100	0.279	16	22	29	33	-	18	26	31
		1300	0.389	16	23	29	33	-	19	27	32
18 x 10	18 x 10	800	0.009	25	31	38	41	16	24	32	37
		1200	0.019	26	32	38	42	18	26	34	39
		1600	0.034	26	32	39	43	19	27	35	40
		2000	0.053	26	33	39	43	19	28	36	40
		2400	0.077	27	33	40	43	20	28	36	41
	24 x 12	800	0.025	21	27	34	37	-	21	29	33
		1200	0.057	21	28	34	38	-	22	30	35
		1600	0.101	22	28	35	39	15	23	31	36
		2000	0.157	22	29	35	39	16	24	32	37
		2400	0.226	23	29	35	39	17	25	33	37
	30 x 14	800	0.044	18	24	30	34	-	18	26	31
		1200	0.099	18	25	31	35	-	19	27	32
		1600	0.177	19	25	32	35	-	20	28	33
		2000	0.276	19	26	32	36	-	21	29	34
		2400	0.398	19	26	32	36	-	22	30	35

For Performance Notes, see end of section.

PERFORMANCE DATA

SRDV – Typical Selection Guide

Unit Size	Duct Size W x H	cfm	Min ΔPs	Sound, Noise Criteria							
				Radiated				Discharge			
				ΔPs Across Unit				ΔPs Across Unit			
				0.5 in. w.g.	1.0 in. w.g.	2.0 in. w.g.	3.0 in. w.g.	0.5 in. w.g.	1.0 in. w.g.	2.0 in. w.g.	3.0 in. w.g.
18 x 12	18 x 12	1200	0.013	25	32	38	42	17	25	33	38
		1700	0.027	26	32	39	42	18	26	34	39
		2200	0.045	26	33	39	43	19	27	35	40
		2700	0.067	27	33	39	43	20	28	36	41
		3100	0.089	27	33	40	43	20	28	37	41
	24 x 14	1200	0.037	21	28	34	38	-	22	30	35
		1700	0.075	22	28	35	39	-	23	31	36
		2200	0.126	22	29	35	39	16	24	32	37
		2700	0.189	23	29	36	39	17	25	33	37
		3100	0.25	23	29	36	40	17	25	33	38
	28 x 16	1200	0.059	19	25	32	35	-	20	28	32
		1700	0.118	20	26	32	36	-	21	29	34
		2200	0.197	20	26	33	37	-	22	30	35
		2700	0.297	20	27	33	37	-	22	31	35
		3100	0.392	21	27	33	37	-	23	31	36
20 x 14	20 x 14	2000	0.022	26	32	38	42	18	26	34	39
		2575	0.036	26	32	39	43	19	27	35	40
		3150	0.055	26	33	39	43	19	28	36	40
		3725	0.076	27	33	40	43	20	28	36	41
		4250	0.099	27	33	40	43	21	29	37	42
	26 x 16	2000	0.057	22	29	35	39	-	23	31	36
		2575	0.094	23	29	35	39	16	24	32	37
		3150	0.141	23	29	36	40	17	25	33	37
		3725	0.198	23	30	36	40	17	25	33	38
		4250	0.257	24	30	36	40	18	26	34	39
	30 x 18	2000	0.087	20	26	33	37	-	21	29	34
		2575	0.145	20	27	33	37	-	22	30	35
		3150	0.217	21	27	34	37	-	23	31	35
		3725	0.303	21	27	34	38	15	23	31	36
		4250	0.394	21	28	34	38	16	24	32	37
30 x 12	30 x 12	3000	0.03	26	32	39	42	18	26	35	39
		3850	0.049	26	33	39	43	19	27	36	40
		4700	0.073	27	33	39	43	20	28	36	41
		5550	0.102	27	33	40	44	21	29	37	42
		6350	0.134	27	34	40	44	21	29	37	42
	34 x 14	3000	0.062	24	30	36	40	16	24	32	37
		3850	0.102	24	30	37	40	17	25	33	38
		4700	0.152	24	31	37	41	18	26	34	39
		5550	0.212	25	31	37	41	19	27	35	39
		6350	0.277	25	31	38	41	19	27	35	40
	36 x 16	3000	0.088	22	28	35	38	-	23	31	36
		3850	0.146	22	29	35	39	16	24	32	37
		4700	0.217	23	29	35	39	16	25	33	37
		5550	0.302	23	29	36	39	17	25	33	38
		6350	0.396	23	30	36	40	18	26	34	39
22 x 16	22 x 16	3000	0.031	26	32	39	42	18	27	35	39
		3525	0.043	26	33	39	43	19	27	35	40
		4050	0.057	26	33	39	43	20	28	36	41
		4575	0.073	27	33	39	43	20	28	36	41
		5150	0.092	27	33	40	43	20	29	37	41
	28 x 18	3000	0.076	23	29	36	39	16	24	32	37
		3525	0.105	23	30	36	40	16	24	33	37
		4050	0.138	23	30	36	40	17	25	33	38
		4575	0.176	24	30	36	40	17	25	34	38
		5150	0.223	24	30	37	40	18	26	34	39
	36 x 20	3000	0.135	20	26	33	36	-	21	29	34
		3525	0.187	20	26	33	37	-	22	30	35
		4050	0.247	20	27	33	37	-	22	30	35
		4575	0.315	21	27	33	37	-	23	31	36
		5150	0.399	21	27	34	37	15	23	31	36

For Performance Notes, see end of section.

PERFORMANCE DATA

SRDV – Typical Selection Guide

Unit Size	Duct Size W x H	cfm	Min ΔPs	Sound, Noise Criteria							
				Radiated				Discharge			
				ΔPs Across Unit				ΔPs Across Unit			
0.5 in. w.g.	1.0 in. w.g.	2.0 in. w.g.	3.0 in. w.g.	0.5 in. w.g.	1.0 in. w.g.	2.0 in. w.g.	3.0 in. w.g.				
24 x 18	24 x 18	3600	0.03	26	32	39	42	18	26	35	39
		4200	0.041	26	33	39	43	19	27	35	40
		4800	0.053	26	33	39	43	19	28	36	40
		5400	0.067	27	33	39	43	20	28	36	41
		6000	0.083	27	33	40	43	20	28	36	41
	30 x 24	3600	0.095	22	28	34	38	-	23	31	35
		4200	0.129	22	28	35	38	15	23	31	36
		4800	0.168	22	28	35	39	16	24	32	37
		5400	0.213	22	29	35	39	16	24	32	37
		6000	0.263	22	29	35	39	16	25	33	37
	36 x 26	3600	0.14	19	26	32	36	-	21	29	33
		4200	0.191	20	26	32	36	-	21	29	34
		4800	0.25	20	26	33	36	-	22	30	35
		5400	0.316	20	26	33	36	-	22	30	35
		6000	0.39	20	27	33	37	-	23	31	35
30 x 20	30 x 20	4000	0.019	26	32	38	42	18	26	34	39
		5225	0.033	26	32	39	43	19	27	35	39
		6450	0.05	26	33	39	43	19	27	36	40
		7675	0.071	27	33	39	43	20	28	36	41
		9000	0.097	27	33	40	43	21	29	37	41
	38 x 24	4000	0.052	22	28	35	38	-	23	31	35
		5225	0.088	22	29	35	39	15	23	32	36
		6450	0.134	23	29	36	39	16	24	32	37
		7675	0.19	23	29	36	40	17	25	33	38
		9000	0.262	23	30	36	40	17	25	34	38
	46 x 26	4000	0.08	20	26	32	36	-	20	29	33
		5225	0.136	20	26	33	37	-	21	30	34
		6450	0.208	20	27	33	37	-	22	30	35
		7675	0.294	21	27	34	37	-	23	31	36
		9000	0.404	21	27	34	38	15	23	32	36
40 x 20	40 x 20	7000	0.033	26	32	39	43	19	27	35	40
		8625	0.05	26	33	39	43	19	27	36	40
		10250	0.071	27	33	39	43	20	28	36	41
		11875	0.095	27	33	40	43	21	29	37	41
		13500	0.123	27	34	40	44	21	29	37	42
	46 x 26	7000	0.074	23	30	36	40	16	24	32	37
		8625	0.113	24	30	36	40	17	25	33	38
		10250	0.159	24	30	37	40	18	26	34	38
		11875	0.214	24	31	37	41	18	26	34	39
		13500	0.276	24	31	37	41	19	27	35	39
	52 x 26	7000	0.107	21	28	34	38	-	23	31	36
		8625	0.162	22	28	35	38	15	23	32	36
		10250	0.229	22	29	35	39	16	24	32	37
		11875	0.307	22	29	35	39	17	25	33	37
		13500	0.397	23	29	35	39	17	25	33	38

Performance Notes:

1. NCs are derived from sound power levels, which are obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. NCs are derived from sound power levels which include duct end corrections per AHRI Standard 880 -2017.
3. Blank spaces (-) indicate NCs less than 20.
4. ΔPs is the difference in static pressure from inlet to discharge of the unit.
5. Tests conducted with damper installed in a 22 gauge galvanized steel duct, lined with 1 in. 4 lb density foil faced fiberglass duct liner.
6. NC values are calculated based on typical attenuation values outlined in Appendix E, AHRI Standard 885-2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."

Typical Attenuation Values:

Radiated Sound

Total Deduction	Octave Band Mid Frequency, Hz.					
	125	250	500	1000	2000	4000
All Sizes	18	19	20	26	31	36

Discharge Sound

Total Deduction	Octave Band Mid Frequency, Hz.					
	125	250	500	1000	2000	4000
< 300 cfm	24	28	39	53	59	40
300 – 700 cfm	27	29	40	51	53	39
> 700 cfm	29	30	41	51	52	39

* The AHRI 885 standard deduction for 700 cfm or greater include power division correction for three outlets. If more than three outlets are present downstream of the terminal the following additional deduction can be applied to determine room NC.

# of outlets	5	7	10	20
NC deduction	2	3	5	8

PRICE | **TERMINAL UNITS**

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