

# SDV

## SINGLE DUCT TERMINAL UNIT

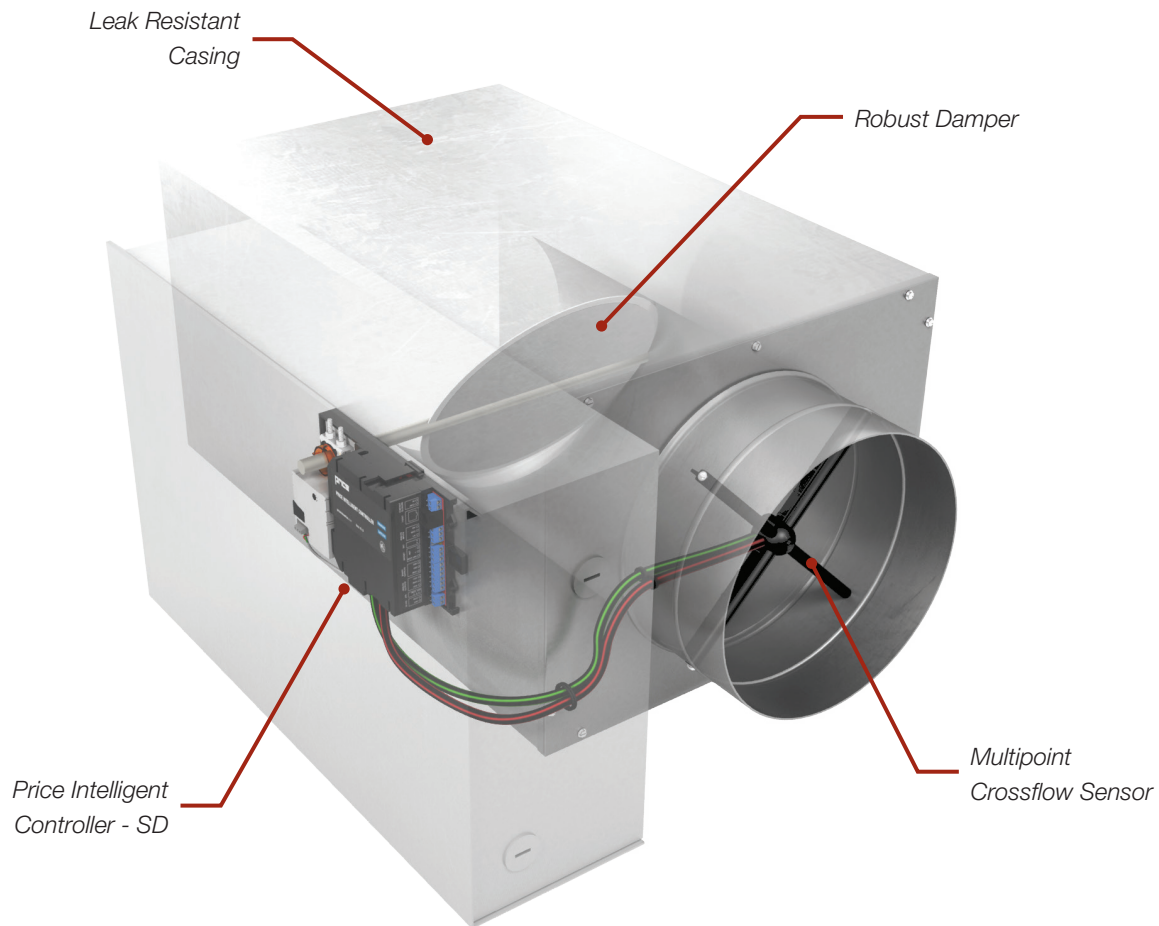


# SDV

## Single Duct Terminal Unit

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With minimal pressure drop and low sound levels, the SDV controls the volume of conditioned air into an occupied space in response to a thermostat control signal. Incorporation of an airflow sensor allows the SDV to compensate instantly for any change in supply air pressure that might alter the supply volume, resulting in a pressure independent variable air volume system.



## EXTREME VERSATILITY

Available with a multitude of accessories including liners, controls, reheat options, and sound attenuators, the SDV is well suited to almost any application. A compact configuration makes this unit easy to use in crowded mechanical spaces for new construction or retrofit projects.

## ENGINEERED PERFORMANCE

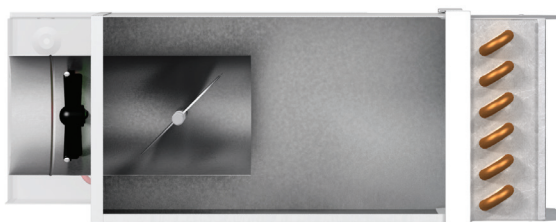
The clean and efficient design of this single duct terminal unit results in a system component with minimal pressure drop, reducing fan horsepower requirements and sound generation.

## OVERSIZED CASING

Sizes 4 to 16 are available with an optional oversized casing to accommodate larger water coils, which reduces air pressure drop by increasing the face area, without sacrificing control of low airflows.



*6" inlet with regular (6") casing*



*6" inlet with oversized (8") casing*

## TYPICAL APPLICATIONS

Designed to control the flow of conditioned air into an occupied space, single duct terminal units can be used in almost any application. A variety of accessories are available to tailor this unit to specific applications including those with stringent requirements for sound levels, temperature, and energy efficiency.

### STANDARD DESIGN

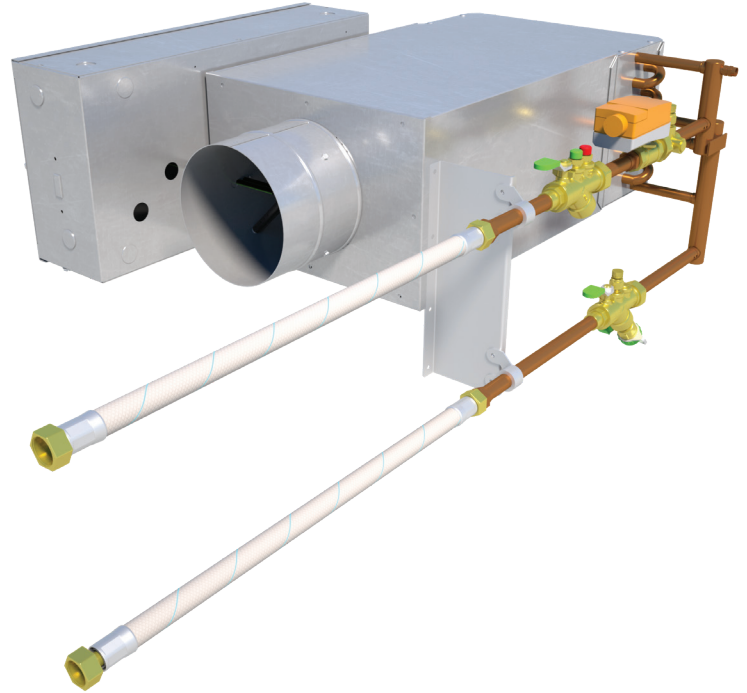
- + Heavy gauge damper with polyurethane gasket rated for up to 1.25 million cycles
- + Multipoint center averaging crossflow sensor for accurate airflow measurement
- + Slip and drive connection for quick installation

### OPTIONAL FEATURES

- + Multiple liner options
- + Electric reheat
- + Hot water reheat
- + Attenuators - 3 ft. and 5 ft.
- + Integral silencers (SDVQ)
- + Certified low leakage construction
- + Oversized Casing
- + Low Profile Construction (SDVLP)

## HOT WATER REHEAT

Price water coils are constructed from high quality materials and are AHRI 410 certified. Designed to optimize heat transfer and minimize pressure drop, water coils are available in high capacity and oversized configurations to meet the requirements of every project. For ease of maintenance, optional access doors are available for upstream or downstream installation, with a variety of fastening choices.



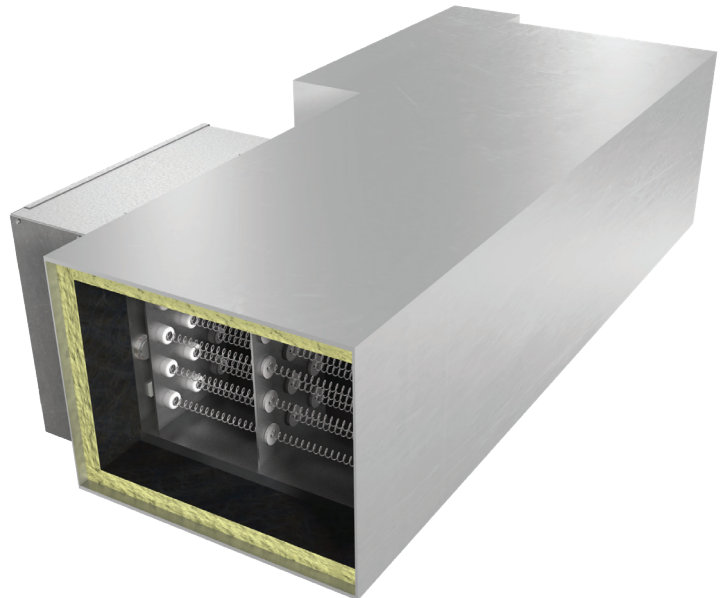
## VALVE PACKAGES

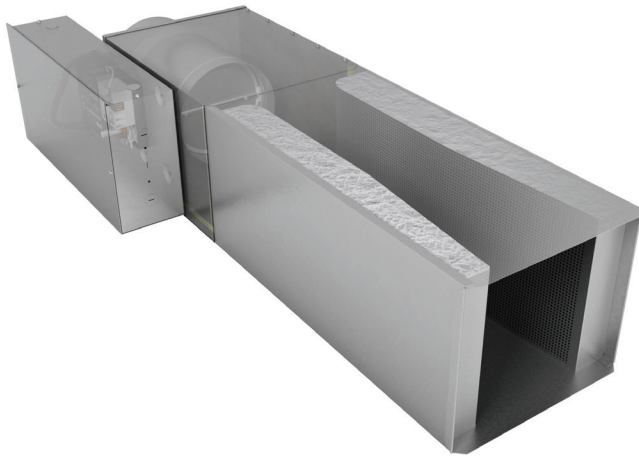
Hot water coils are available with a factory leak-tested valve package for simplicity and ease of installation. Each valve package is available with the following options:

- + 2-way or 3-way valves
- + Manual or automatic balancing valve
- + TCV supplied by Price or supplied by others and factory mounted
- + 1/2 in. or 3/4 in. piping package diameter

## ELECTRIC REHEAT

Price electric coils are factory mounted, ETL listed to meet electrical safety standards, and comply with CSA 236/UL 1995. To simplify the installation process, single duct electric coils are field flippable allowing the coil to be reoriented between left and right hand configurations on site. Single duct electric heaters are a side-mounted, slide-in style, specifically designed to mount in the extended terminal casing allowing for easy field maintenance. To ensure safe operation, these electric heaters use thermal safety switches and low watt density heating elements to minimize hot spots.





## QUIET CONSTRUCTION

The SDV is available with an integral discharge attenuator for a cost-effective solution in applications where additional sound attenuation is required. Integral attenuators are available with any of the standard Price liner options.

Selection of VAV terminals with a close coupled, independent silencer is a complex process with unpredictable results. Price eliminates the guess work by providing an optimized, fully tested and AHRI certified assembly. The casing design and optimized silencer geometry reduce self-generated noise and pressure drop resulting in the quietest single duct terminal unit available.

## SEISMIC CERTIFICATION

Selected product configurations are OSHPD seismic pre-approved, in compliance with CBC 2013 and IBC 2012. The following terminal units, accessories, and controllers are listed on OSP Special Seismic Certification Pre-Approval #OSP-0302-10:

- + SDV, all sizes, ceiling suspended with or without spring isolators.
- + SDV with quiet construction, all sizes, with 3 ft, 5 ft.
- + Single duct hot water coil, 1-4 rows, aluminum fins, copper tubes.
- + All Price liner options.
- + Price PIC controls as well as a variety of third party controls. See OSP-0302-10 for a list of approved controls.

## ACCESSORIES

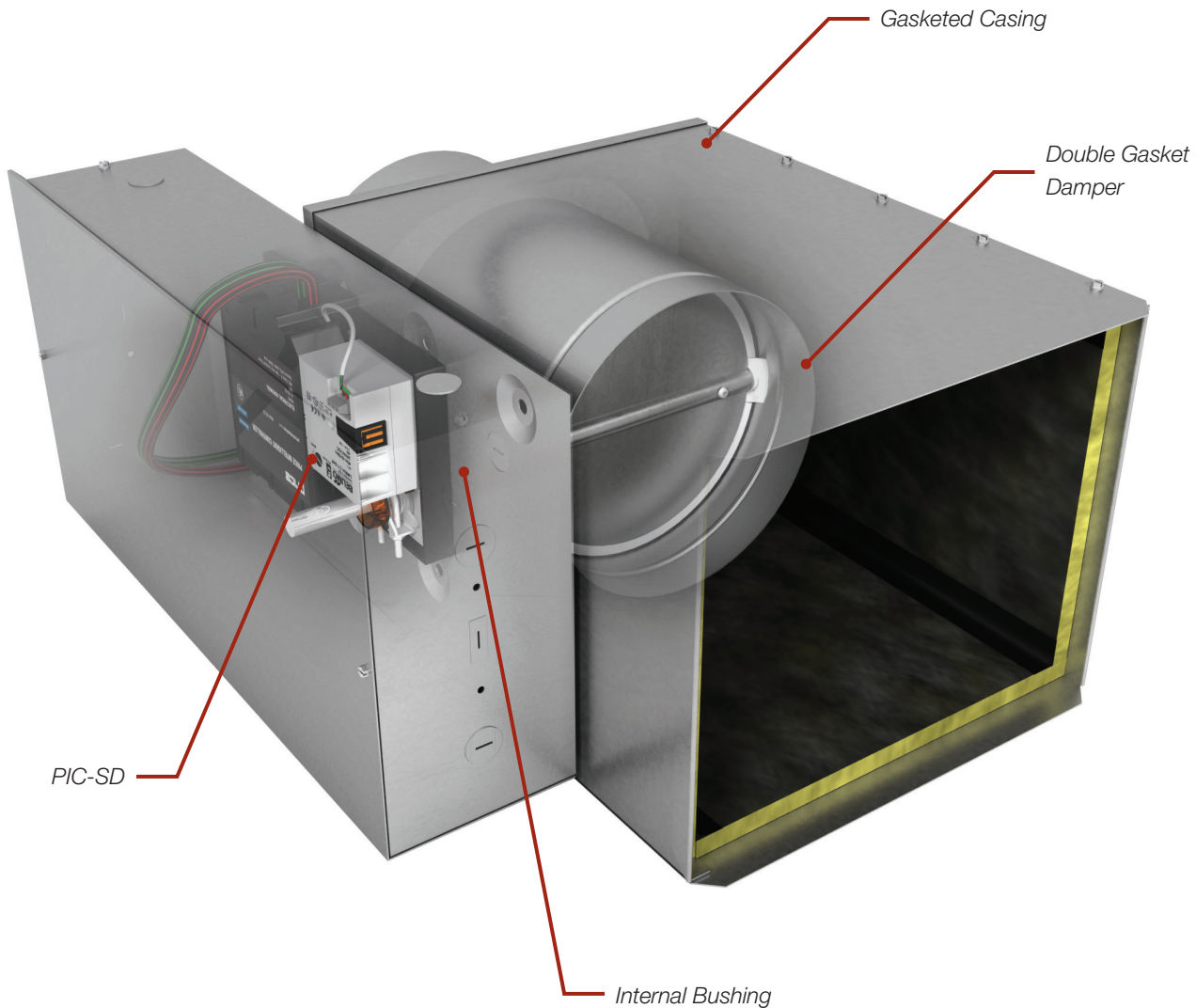
A variety of additional accessories are offered to meet specific job requirements. For information on these accessories please refer to the Terminal Units Accessories catalog.

## CERTIFIED LOW LEAKAGE CONSTRUCTION

Certified low leakage (CLL) units are designed to target energy efficient installations where casing leakage and condensation prevention are important. Design features include:

- + Large compression style access doors with quarter-turn latches.

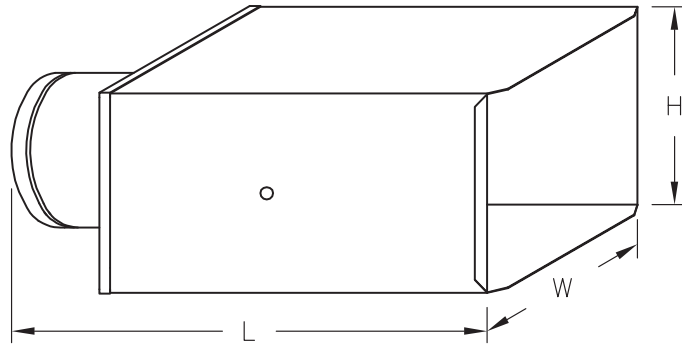
Each unit is factory leak tested to ensure casing leakage is less than 1% at 4in. w.g. and 1.5% at 6 in. w.g., meeting even the most stringent specifications.



## CONTROLS

Price offers a complete line of controls to best suit any application. For exceptional user comfort, the Price Intelligent Controller (PIC) universal DDC control package is available factory installed and configured on all SDV units. The PIC can be used in conjunction with any Price thermostat to match the specific needs of the customer and provide excellent energy efficiency.

## DIMENSIONAL DATA

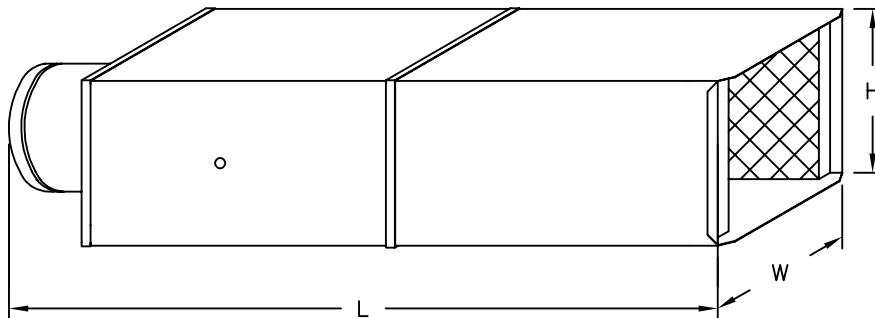


### SDV

Size	Height (H)	Width (W)	Length (L)			
			Basic Box*	With Electric Coil	With Attenuator ATT*	With Attenuator ATT5*
4	8 in.	12 in.	22 1/8 in.	42 3/16 in.	42 3/16 in.	61 7/8 in.
5			20 1/8 in.	40 3/16 in.	40 3/16 in.	59 7/8 in.
6						
7	10 in.	14 in.	23 5/8 in.	39 5/16 in.	39 5/16 in.	-
8						
9	12 1/2 in.	16 in.	23 5/8 in.	39 5/16 in.	39 5/16 in.	-
10						
12	15 in.	20 in.	19 in.	39 5/16 in.	39 5/16 in.	-
14	17 1/2 in.	24 in.				
16	18 in.	38 in.				
24 x 16**	18 in.	38 in.	19 in.	39 5/16 in.	39 5/16 in.	-

\*For 1 and 2 row water coils, add 5 in. to length. For 3 and 4 row water coils, add 7 1/4 in. to length.

\*\*Size 24 x 16 is provided with a rectangular inlet.

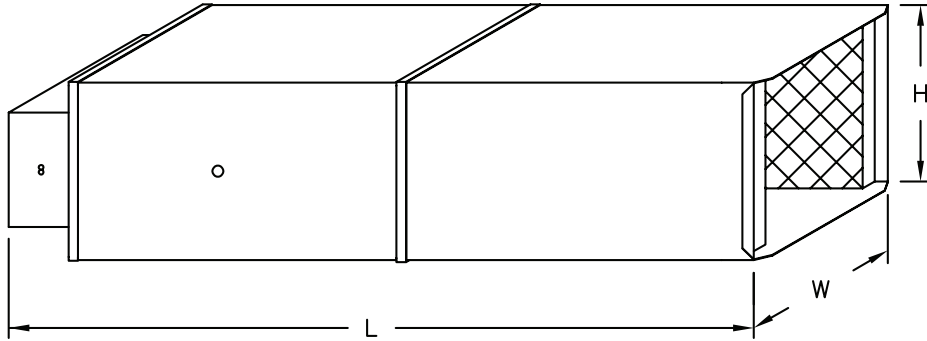


### SDVQ

Size	Height (H)	Width (W)	Length (L)
4	8 in.	12 in.	78 3/16 in.
5			
6			
7	10 in.	14 in.	76 3/16 in.
8			
9	12 1/2 in.	20 in.	67 in.
10			
12	17 1/2 in.	24 in.	67 in.
14			
16	18 in.	38 in.	67 in.
24 x 16**			

\*\*Size 24 x 16 is provided with a rectangular inlet.

## DIMENSIONAL DATA



### SDVLP

Size	Height (H)	Width (W)	Length (L)			
			Basic Box*	With Electric Coil	With Attenuator ATT	With Attenuator ATT5SP
9	10 in.	17 1/2 in.	19 7/8 in.	44 3/8 in.	40 1/5 in.	75 1/4 in.
10			23 3/8 in.			
12		24 in.				
14		30 in.				
16		38 in.	78 3/4 in.			

\*ATT5SP Shown



# PERFORMANCE DATA



## SDV – AHRI Certification Rating Points

Unit Size	Rated Airflow	Minimum Operating Pressure Required	Radiated Sound Power Level, dB at 1.5 in.w.g. Octave Band							Discharge Sound Power Level, dB at 1.5 in.w.g. Octave Band						
	cfm	in.w.g.	2	3	4	5	6	7	2	3	4	5	6	7		
<b>4</b>	150	0.01	56	49	41	35	31	30	71	66	56	52	50	45		
<b>5</b>	250	0.01	59	51	44	36	32	28	72	67	59	54	51	48		
<b>6</b>	400	0.14	62	57	49	43	38	33	76	71	63	57	52	49		
<b>7</b>	550	0.07	61	54	47	38	32	29	75	71	60	55	53	50		
<b>8</b>	700	0.01	61	55	46	39	33	28	76	70	61	57	54	51		
<b>9</b>	900	0.01	60	54	49	41	36	32	74	69	61	58	56	54		
<b>10</b>	1100	0.01	61	55	47	39	32	31	75	69	60	58	55	53		
<b>12</b>	1600	0.01	61	55	52	44	37	35	74	68	63	60	57	55		
<b>14</b>	2100	0.01	62	57	50	41	37	35	74	67	65	59	57	56		
<b>16</b>	2800	0.01	62	59	53	48	44	37	74	67	64	62	60	57		
<b>24x16</b>	5300	0.01	73	68	62	53	47	40	82	79	74	72	71	66		

**Performance Notes:**

1. CFM, cubic feet per minute.
2. Inches of water gauge (in.w.g.)
3. Sound power levels expressed in decibels, (dB) re 10<sup>-12</sup> Watts.

## PERFORMANCE DATA

### SDV – Recommended Air Volume Ranges

#### Digital Controls

Unit Size	cfm Min. <sup>3</sup>	cfm Max.
4	45	400
5	60	500
6	65	550
7	95	800
8	125	1100
9	160	1400
10	210	1800
12	300	2600
14	430	3700
16	575	5000
24 x 16	1185	8400

**Notes:**

1. Factory calibrated controls must be selected within the above flow range limits. A minimum value of 0 is also available. When an auxiliary flow setting is specified, the value must be greater than the minimum setting and within the range limits.
2. On controls mounted by Price but supplied by others, the air volume ranges are guidelines only.
3. Minimum airflow limit for digital controls is based on min 0.02 in.w.g. differential pressure signal from airflow sensor. Maximum airflow limit is based on max 1.5 in.w.g. differential pressure signal from airflow sensor.
4. Selection of airflow limits outside the listed values is not recommended. Stability and accuracy may not be acceptable at lower than recommended airflow limits. The actual performance will vary depending on the terminal unit controls supplied.

# PERFORMANCE DATA

## SDV – Typical Selection Guide

Unit Size	Airflow cfm	Basic Unit in.w.g.	w/Atten. in.w.g.	Minimum ΔPs Across Assembly in.w.g.		Discharge NC Basic Unit ΔPs Across Unit			Discharge NC c/w 36 in. Attenuator ΔPs Across Unit			Radiated NC Basic Unit ΔPs Across Unit		
				1 Row Coil	2 Row Coil	0.5 in.w.g.	1.5 in.w.g.	3.0 in.w.g.	0.5 in.w.g.	1.5 in.w.g.	3.0 in.w.g.	0.5 in.w.g.	1.5 in.w.g.	3.0 in.w.g.
				75	0.01	0.01	0.02	0.03	--	--	--	--	--	--
150	0.01	0.01	0.03	0.06	29	29	29	21	24	26	--	--	--	--
200	0.01	0.01	0.04	0.09	35	35	35	26	29	31	21	22	23	23
300	0.01	0.01	0.08	0.16	40	40	40	28	31	33	29	31	31	31
400	0.01	0.01	0.12	0.25	46	46	47	33	36	38	35	36	37	37
125	0.01	0.01	0.03	0.05	--	--	20	--	--	--	--	--	--	--
250	0.01	0.01	0.06	0.12	24	30	33	--	24	28	--	20	23	23
300	0.01	0.01	0.08	0.16	23	29	32	--	23	27	--	24	27	27
400	0.01	0.01	0.12	0.25	27	34	38	--	27	31	22	29	32	32
500	0.01	0.01	0.16	0.35	31	38	42	22	30	34	26	32	36	36
150	0.02	0.02	0.04	0.07	--	20	23	--	--	--	--	--	--	--
225	0.05	0.05	0.09	0.14	20	26	30	--	20	24	--	--	20	20
300	0.08	0.08	0.15	0.23	21	27	31	--	--	23	--	21	25	25
400	0.14	0.14	0.25	0.38	26	36	36	--	23	27	20	26	29	29
550	0.27	0.27	0.45	0.67	31	37	41	21	27	31	25	31	34	34
250	0.02	0.02	0.06	0.10	--	23	26	--	--	20	--	--	--	--
350	0.03	0.03	0.09	0.17	--	24	28	--	--	21	--	--	20	20
550	0.07	0.07	0.20	0.37	25	31	36	--	24	28	--	24	27	27
625	0.1	0.1	0.26	0.47	27	33	38	--	25	30	20	25	29	29
800	0.16	0.16	0.41	0.72	28	36	41	20	27	32	23	28	33	33
400	0.01	0.01	0.09	0.19	--	22	26	--	--	21	--	--	21	21
500	0.01	0.01	0.12	0.27	20	26	30	--	--	24	--	--	24	24
700	0.01	0.01	0.21	0.46	26	31	36	--	24	28	--	24	29	29
900	0.01	0.01	0.31	0.69	27	34	38	--	24	29	22	28	33	33
1100	0.01	0.01	0.43	0.96	31	37	41	--	27	32	26	31	36	36
450	0.01	0.01	0.06	0.13	--	22	28	--	--	25	--	--	22	22
700	0.01	0.01	0.12	0.25	--	26	33	--	22	28	--	21	26	26
900	0.01	0.01	0.17	0.38	20	27	34	--	22	29	--	23	29	29
1100	0.01	0.01	0.24	0.52	23	30	37	--	24	30	--	25	31	31
1400	0.01	0.01	0.35	0.77	26	33	39	--	26	32	20	28	33	33
550	0.01	0.01	0.08	0.17	--	21	28	--	--	23	--	--	22	22
950	0.01	0.01	0.19	0.41	--	26	32	--	21	27	--	22	28	28
1100	0.01	0.01	0.24	0.52	--	28	34	--	23	28	--	24	30	30
1500	0.01	0.01	0.39	0.87	23	31	38	--	26	32	21	27	33	33
1800	0.01	0.01	0.53	1.17	25	34	40	20	28	34	23	30	35	35
900	0.01	0.01	0.11	0.23	--	21	29	--	--	25	--	20	26	26
1200	0.01	0.01	0.17	0.37	--	24	31	--	22	28	--	24	29	29
1600	0.01	0.01	0.27	0.58	--	26	33	--	24	31	--	26	32	32
1800	0.01	0.01	0.32	0.71	--	28	34	--	25	32	--	28	34	34
2600	0.01	0.01	0.58	1.29	21	32	38	21	30	36	23	32	38	38
1000	0.01	0.01	0.08	0.16	--	--	27	--	23	30	--	--	26	26
1500	0.01	0.01	0.14	0.29	--	22	30	--	25	32	--	23	30	30
2100	0.01	0.01	0.23	0.50	--	26	33	--	28	35	--	26	34	34
2700	0.01	0.01	0.35	0.76	--	28	35	--	29	36	--	29	36	36
3700	0.01	0.01	0.58	1.28	20	31	38	20	32	39	23	33	40	40
1500	0.01	0.01	0.10	0.21	--	20	28	--	21	29	--	22	29	29
2000	0.01	0.01	0.15	0.33	--	23	31	--	24	32	--	25	32	32
2600	0.01	0.01	0.23	0.50	--	26	33	--	26	34	--	28	35	35
3200	0.01	0.01	0.32	0.70	--	28	35	--	28	36	20	31	38	38
4000	0.01	0.01	0.46	1.01	--	30	37	--	31	38	23	33	40	40
5000	0.01	0.01	0.67	1.47	20	32	40	21	33	40	26	36	43	43
3000	0.01	0.01	0.16	0.33	23	32	37	--	27	32	24	31	35	35
4000	0.01	0.01	0.25	0.52	27	35	41	23	31	36	29	35	39	39
5300	0.01	0.01	0.39	0.83	30	39	44	27	35	40	30	39	43	43
6000	0.01	0.01	0.47	1.02	32	41	46	28	37	42	31	41	45	45
7000	0.01	0.01	0.61	1.32	34	42	48	30	39	44	32	43	47	47
8400	0.01	0.01	0.83	1.80	36	45	50	33	41	46	33	46	50	50

### Performance Notes:

- NC's are derived from sound power levels, which are obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
- Dashes (--) indicate sound power levels below 20.
- ΔPs is the difference in static pressure from inlet to discharge of the unit.

- 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."

Radiated NC is based on 5/8" mineral fiber tile ceiling per AHRI 885-2008 attenuation values.

### Radiated Sound

Total Deduction	Octave Band Mid Frequency, Hz					
	120	250	500	1000	2000	4000
All Sizes	18	19	20	26	31	36

Discharge NC is based on environmental effect, end reflection, flex duct, sound power division and lined duct per AHRI 885-2008 attenuation values

### Discharge Sound

Total Deduction	Octave Band Mid Frequency, Hz					
	120	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







# PERFORMANCE DATA



## SDV – 1 and 2 Row Hot Water Coil Data

### Size 4,5,6 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			125	150	175	200	225	250	300	350	400
1 Row Multi Circuit	0.5	0.14	5.5	6.0	6.4	6.7	7.0	7.3	7.8	8.2	8.6
	1	0.46	6.3	6.9	7.5	7.9	8.4	8.8	9.5	10.1	10.6
	2	1.61	6.7	7.4	8.1	8.7	9.2	9.7	10.6	11.3	12.0
	3	3.60	6.9	7.7	8.4	9.0	9.6	10.1	11.0	11.8	12.6
	Through the Coil, ΔPs		0.02	0.03	0.03	0.04	0.05	0.06	0.08	0.10	0.13
2 Row Multi Circuit	1	0.14	10.5	11.7	12.8	13.7	14.6	15.4	16.7	17.9	18.9
	2	0.47	11.2	12.6	13.9	15.1	16.2	17.2	19.0	20.6	21.9
	4	1.64	11.6	13.1	14.5	15.8	17.0	18.2	20.2	21.9	23.5
	6	3.43	11.7	13.3	14.8	16.1	17.4	18.6	20.7	22.6	24.3
	Through the Coil, ΔPs		0.04	0.06	0.07	0.09	0.11	0.13	0.18	0.23	0.29

### Size 4,5,6 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			125	150	175	200	225	250	300	350	400
1 Row Multi Circuit	0.5	0.15	6.2	6.7	7.1	7.5	7.8	8.1	8.6	9.0	9.4
	1	0.50	7.2	7.9	8.5	9.0	9.5	9.9	10.7	11.4	11.9
	2	1.73	7.7	8.6	9.3	10.0	10.6	11.1	12.1	12.9	13.7
	3	3.60	8.0	8.9	9.7	10.4	11.0	11.6	12.7	13.7	14.5
	Through the Coil, ΔPs		0.02	0.03	0.04	0.05	0.06	0.08	0.10	0.13	0.17
2 Row Multi Circuit	1	0.14	11.5	12.9	14.1	15.1	16.1	16.9	18.5	19.7	20.8
	2	0.47	12.4	14.0	15.5	16.8	18.1	19.2	21.2	23.0	24.5
	4	1.64	12.8	14.6	16.2	17.7	19.0	20.3	22.6	24.7	26.5
	6	3.43	13.0	14.8	16.5	18.0	19.5	20.8	23.3	25.4	27.4
	Through the Coil, ΔPs		0.06	0.08	0.10	0.12	0.15	0.17	0.24	0.30	0.38

### Size 7,8 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			200	250	300	350	400	500	600	700	800
1 Row Multi Circuit	0.5	0.20	7.2	7.9	8.4	8.8	9.2	9.8	10.3	10.7	11.0
	1	0.68	8.7	9.6	10.4	11.1	11.7	12.7	13.5	14.2	14.8
	2	2.34	9.6	10.8	11.8	12.7	13.5	14.8	15.9	16.9	17.7
	3	4.87	10.0	11.3	12.4	13.4	14.2	15.7	17.0	18.1	19.1
	Through the Coil, ΔPs		0.03	0.04	0.05	0.06	0.08	0.11	0.15	0.20	0.25
2 Row Multi Circuit	1	0.16	14.7	16.5	18.0	19.3	20.5	22.3	23.8	25.0	26.0
	2	0.56	16.3	18.7	20.7	22.5	24.1	26.8	29.1	31.0	32.7
	4	1.97	17.2	19.8	22.2	24.3	26.2	29.5	32.2	34.7	36.8
	6	4.11	17.5	20.3	22.8	25.1	27.1	30.6	33.6	36.3	38.6
	Through the Coil, ΔPs		0.06	0.08	0.11	0.15	0.18	0.26	0.35	0.45	0.57

### Size 7,8 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			200	250	300	350	400	500	600	700	800
1 Row Multi Circuit	0.5	0.20	8.0	8.7	9.2	9.7	10.1	10.7	11.1	11.5	11.8
	1	0.68	9.8	10.9	11.7	12.5	13.1	14.2	15.0	15.7	16.3
	2	2.34	11.0	12.3	13.5	14.5	15.3	16.8	18.0	19.1	20.0
	3	4.87	11.5	13.0	14.2	15.4	16.4	18.0	19.4	20.7	21.7
	Through the Coil, ΔPs		0.03	0.05	0.06	0.08	0.10	0.15	0.20	0.26	0.32
2 Row Multi Circuit	1	0.16	16.1	18.1	19.8	21.2	22.4	24.3	25.8	27.1	28.2
	2	0.56	18.1	20.7	23.0	25.0	26.8	29.8	32.2	34.3	36.1
	4	1.97	19.1	22.1	24.8	27.2	29.3	33.0	36.1	38.8	41.2
	6	4.11	19.5	22.7	25.5	28.1	30.4	34.4	37.9	40.9	43.5
	Through the Coil, ΔPs		0.08	0.11	0.15	0.19	0.23	0.34	0.46	0.59	0.73

Performance notes at end of section.

# PERFORMANCE DATA



## SDV – 1 and 2 Row Hot Water Coil Data

### Size 9,10 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			300	400	500	600	700	800	900	1000	1100
1 Row Multi Circuit	1	0.12	11.9	13.4	14.6	15.6	16.4	17.0	17.7	18.2	18.7
	2	0.42	13.8	15.9	17.6	19.0	20.2	21.2	21.2	23.0	23.8
	4	1.46	14.9	17.3	19.4	21.1	22.6	24.0	25.2	26.2	27.2
	6	3.06	15.3	17.9	20.2	22.0	23.7	25.2	26.5	27.7	28.8
	Through the Coil, ΔPs		0.03	0.04	0.06	0.09	0.11	0.14	0.17	0.20	0.23
2 Row Multi Circuit	1	0.22	19.8	22.5	24.6	26.3	27.6	28.8	29.7	30.6	31.3
	2	0.77	23.1	27.2	30.4	33.1	35.4	37.3	39.1	40.6	42.0
	4	2.67	25.0	29.9	34.0	37.5	40.5	43.1	45.5	47.7	49.7
	6	5.57	28.8	31.0	35.5	39.3	42.7	45.7	48.4	50.9	53.1
	Through the Coil, ΔPs		0.06	0.10	0.14	0.19	0.25	0.31	0.37	0.45	0.52

### Size 9,10 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			300	400	500	600	700	800	900	1000	1100
1 Row Multi Circuit	0.5	0.29	10.1	10.9	11.6	12.1	12.5	12.9	13.1	13.4	13.6
	1	0.99	13.2	14.8	16.0	17.0	17.8	18.5	19.1	19.6	20.0
	2	3.43	15.5	17.8	19.6	21.1	22.3	23.4	24.4	25.2	26.0
	3	7.12	16.5	19.1	21.3	23.1	24.6	25.9	27.1	28.1	29.1
	Through the Coil, ΔPs		0.04	0.06	0.08	0.11	0.14	0.18	0.21	0.25	0.30
2 Row Multi Circuit	1	0.22	21.5	24.4	26.6	28.3	29.7	30.9	31.8	32.7	33.4
	2	0.77	25.5	29.9	33.5	36.4	38.9	41.0	42.8	44.4	45.9
	4	2.67	27.7	33.2	37.8	41.7	45.1	48.1	50.7	53.1	55.2
	6	5.57	28.6	34.6	39.6	44.0	47.8	51.2	54.2	57.0	59.5
	Through the Coil, ΔPs		0.08	0.13	0.19	0.25	0.32	0.40	0.49	0.58	0.68

### Size 12 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			400	500	600	700	800	1000	1200	1400	1600
1 Row Multi Circuit	1	0.15	14.7	16.0	17.1	18.0	18.7	19.9	20.9	21.7	22.3
	2	0.50	17.7	19.7	21.3	22.8	24.0	26.0	27.7	29.1	30.3
	4	1.77	19.7	22.1	24.2	26.1	27.7	30.4	32.7	34.7	36.5
	6	3.69	20.5	23.1	25.5	27.5	29.3	32.4	35.1	37.4	39.4
	Through the Coil, ΔPs		0.03	0.04	0.05	0.07	0.08	0.12	0.16	0.21	0.26
2 Row Multi Circuit	1	0.27	24.1	26.4	28.2	29.7	30.9	32.8	34.2	35.4	36.3
	2	0.94	29.6	33.3	36.3	38.9	41.2	44.9	47.8	50.2	52.3
	4	3.28	32.9	37.7	41.8	45.4	48.6	54.0	48.5	62.3	65.6
	6	6.83	34.3	39.5	44.1	48.2	51.8	58.0	53.3	67.9	71.9
	Through the Coil, ΔPs		0.06	0.09	0.12	0.15	0.19	0.27	0.36	0.47	0.58

### Size 12 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			400	500	600	700	800	1000	1200	1400	1600
1 Row Multi Circuit	0.5	0.37	11.6	12.3	12.8	13.3	13.6	14.1	15.5	14.9	15.1
	1	1.26	16.1	17.4	18.5	19.4	20.2	21.4	22.3	23.1	23.7
	2	4.37	19.8	21.9	23.6	25.1	26.4	28.5	30.2	31.6	32.8
	3	9.08	21.5	24.0	26.1	28.0	29.6	32.2	34.4	36.2	37.8
	Through the Coil, ΔPs		0.03	0.05	0.07	0.09	0.11	0.15	0.21	0.27	0.33
2 Row Multi Circuit	1	0.27	26.0	28.4	30.2	31.7	32.9	34.8	36.2	37.3	38.2
	2	0.94	32.4	36.4	39.7	42.5	44.9	48.8	51.8	54.3	56.4
	4	3.28	36.3	41.6	46.2	50.2	53.8	59.7	64.6	68.7	72.2
	6	6.83	37.9	43.8	49.0	53.6	57.7	64.7	70.5	75.6	79.9
	Through the Coil, ΔPs		0.08	0.11	0.15	0.19	0.24	0.35	0.47	0.61	0.75

Performance notes at end of section.



# PERFORMANCE DATA



## SDV – 1 and 2 Row Hot Water Coil Data

### Size 14 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			600	800	1000	1200	1400	1600	1800	2000	2200
1 Row Multi Circuit	1	0.18	18.9	20.7	22.0	23.0	23.9	24.6	25.2	25.7	26.1
	2	0.62	24.3	27.4	29.8	31.7	33.4	34.7	35.9	37.0	37.9
	4	2.16	28.2	32.5	36.0	38.8	41.3	43.4	45.3	47.0	48.5
	6	4.52	30.0	34.8	38.8	42.2	45.1	47.6	49.9	52.0	53.9
	Through the Coil, ΔPs		0.03	0.05	0.07	0.09	0.12	0.14	0.17	0.21	0.24
2 Row Multi Circuit	1.5	0.25	36.5	40.9	44.2	46.6	48.6	50.3	51.7	52.9	53.9
	3	0.87	44.8	52.0	57.8	62.4	66.2	69.5	72.4	74.9	77.2
	6	3.04	49.9	59.3	67.2	73.7	79.3	84.3	88.7	92.7	96.3
	9	6.33	51.9	62.3	71.2	78.6	85.2	91.0	96.2	101.0	105.3
	Through the Coil, ΔPs		0.07	0.10	0.15	0.20	0.26	0.32	0.39	0.47	0.55

### Size 14 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)								
			600	800	1000	1200	1400	1600	1800	2000	2200
1 Row Multi Circuit	0.5	0.46	13.7	14.4	15.0	15.4	15.7	15.9	16.1	16.3	16.5
	1	1.59	20.3	22.1	23.4	24.4	25.2	25.9	26.4	26.9	27.3
	2	5.50	26.8	30.0	32.4	34.4	36.0	37.4	38.6	39.6	40.5
	3	11.43	30.1	34.2	37.4	40.1	42.2	44.1	45.8	47.2	48.5
	Through the Coil, ΔPs		0.04	0.06	0.09	0.12	0.15	0.18	0.22	0.27	0.31
2 Row Multi Circuit	1	0.34	32.3	35.1	37.1	38.5	39.6	40.5	41.3	41.9	42.4
	2	1.17	43.5	49.4	53.8	57.2	59.9	62.2	64.1	65.8	67.2
	4	4.07	51.6	60.5	67.7	73.6	78.5	82.8	86.4	89.6	92.5
	6	8.48	54.9	65.4	74.1	81.4	87.6	93.0	97.8	102.0	105.9
	Through the Coil, ΔPs		0.08	0.13	0.19	0.26	0.34	0.42	0.51	0.60	0.71

### Size 16 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)										
			800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
1 Row Multi Circuit	1	0.19	21.6	23.0	24.1	24.9	25.6	26.2	26.7	27.2	27.6	27.9	28.3
	2	0.66	29.1	31.7	33.8	35.5	37.0	38.2	39.3	40.3	41.2	42.0	42.7
	4	2.31	35.1	38.9	42.1	44.7	47.1	49.2	51.0	52.7	54.2	55.6	56.9
	6	4.83	37.8	42.2	46.0	49.2	52.1	54.6	56.9	59.0	60.9	62.7	64.4
	Through the Coil, ΔPs		0.03	0.05	0.06	0.08	0.10	0.12	0.15	0.17	0.20	0.23	0.26
2 Row Multi Circuit	1.5	0.27	42.5	45.9	48.5	50.5	52.2	53.6	54.8	55.9	56.8	57.6	58.3
	3	0.93	54.7	60.9	65.9	70.0	73.5	76.6	79.2	81.6	83.7	85.6	87.3
	6	3.23	63.0	71.5	78.8	85.0	90.5	95.3	99.7	103.6	107.2	110.5	113.5
	9	6.74	66.3	76.0	84.5	91.7	98.2	104.0	109.3	114.1	118.6	122.7	126.5
	Through the Coil, ΔPs		0.07	0.11	0.14	0.18	0.23	0.28	0.33	0.38	0.44	0.51	0.57

### Size 16 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)										
			800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
1 Row Multi Circuit	1	0.19	23.2	24.6	25.6	26.4	27.1	27.7	28.2	28.6	29.0	29.3	29.6
	2	0.66	32.1	34.8	36.9	38.7	40.2	41.5	42.6	43.5	44.4	45.2	45.9
	4	2.31	39.5	43.6	47.0	50.0	52.5	54.6	56.6	58.3	59.9	61.3	62.6
	6	4.83	42.9	47.9	52.0	55.7	58.8	61.5	64.0	66.2	68.2	70.1	71.8
	Through the Coil, ΔPs		0.04	0.06	0.08	0.11	0.13	0.16	0.19	0.22	0.26	0.29	0.33
2 Row Multi Circuit	1.5	0.27	45.4	48.8	51.4	53.4	55.0	56.4	57.6	58.5	59.4	60.2	60.8
	3	0.93	59.5	66.1	71.3	75.8	79.4	82.5	85.2	87.6	89.7	91.6	93.3
	6	3.23	69.2	78.6	86.6	93.6	99.5	104.7	109.4	113.6	117.4	120.9	124.1
	9	6.74	73.1	84.0	93.4	101.7	108.8	115.3	121.1	126.3	131.1	135.6	139.7
	Through the Coil, ΔPs		0.10	0.14	0.18	0.24	0.30	0.36	0.43	0.50	0.57	0.65	0.74

Performance notes at end of section.

# PERFORMANCE DATA



## SDV – 1 and 2 Row Hot Water Coil Data

### Size 24x16 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)										
			1200	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000
<b>1 Row Multi Circuit</b>	1	0.24	26.7	27.9	29.4	30.4	31.2	31.7	32.2	32.6	33.0	33.2	33.5
	2	0.81	39.3	42.2	45.6	48.1	50.0	51.6	52.8	53.9	54.8	55.6	56.4
	4	2.82	51.3	56.2	62.6	67.4	71.2	74.4	77.1	79.4	81.4	83.2	84.8
	6	5.89	57.3	63.6	71.8	78.2	83.4	87.8	91.5	94.8	97.7	100.3	102.6
	Through the Coil, ΔPs		0.03	0.05	0.08	0.11	0.15	0.19	0.24	0.29	0.35	0.41	0.47
<b>2 Row Multi Circuit</b>	1.5	0.33	53.2	56.3	59.8	62.1	63.8	65.1	66.1	67.0	67.7	68.3	68.8
	3	1.13	75.4	82.3	90.9	96.9	101.5	105.2	108.1	110.6	112.7	114.6	116.2
	6	3.92	93.1	104.6	119.8	131.3	140.5	148.1	154.6	160.1	164.9	169.1	172.9
	9	8.16	100.8	114.8	133.8	148.7	161.0	171.4	180.3	188.0	194.9	201.0	206.5
	Through the Coil, ΔPs		0.07	0.11	0.17	0.25	0.33	0.43	0.53	0.65	0.77	0.90	1.04

### Size 24x16 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)										
			1200	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000
<b>1 Row Multi Circuit</b>	1	0.24	28.0	29.2	30.6	31.6	32.3	32.8	33.2	33.6	33.9	34.1	34.4
	2	0.81	42.4	45.2	48.6	51.1	52.9	54.4	55.6	56.6	57.4	58.2	58.8
	4	2.82	56.7	61.8	68.4	73.4	77.3	80.4	83.1	85.3	87.3	89.0	90.6
	6	5.89	64.1	70.8	79.6	86.4	91.8	96.3	100.1	103.4	106.3	108.9	111.2
	Through the Coil, ΔPs		0.04	0.06	0.10	0.14	0.19	0.25	0.31	0.38	0.45	0.53	0.61
<b>2 Row Multi Circuit</b>	1.5	0.33	55.7	58.7	62.0	64.2	65.8	67.0	67.9	68.7	69.3	69.8	70.3
	3	1.13	80.6	87.7	96.4	102.4	107.0	110.5	113.3	115.7	117.7	119.4	120.9
	6	3.92	100.9	113.4	129.6	141.8	151.4	159.2	165.7	171.3	176.1	180.3	184.0
	9	8.16	109.9	125.3	146.0	162.3	175.4	186.4	195.7	203.8	210.9	217.1	222.7
	Through the Coil, ΔPs		0.10	0.14	0.22	0.32	0.43	0.55	0.69	0.84	1.00	1.17	1.35

**Performance Notes:**

1. Tabulated values are in MBH (thousands of Btu per hour).
2. Minimum air and water flow values are based on ASHRAE recommendations for coil selections. For selections below these tabulated air or water values, please consult your local Price representative.
3. Do not select coils for a leaving air temperature above 120 °F.
4. HD (Head) loss is in feet of water.
5. Ps, is the pressure drop in in. of water across the coil.
6. Air temperature rise = ATR, ATR (°F) = 927 x MBH/cfm.
7. Water temperature drop = WTD, WTD (°F) = 2.04 x MBH/gpm.
8. Values in tables are listed for 0 ft of altitude and no glycol in the system.
9. For information outside the ranges used in the table, consult the current Price software or your Price representative for accurate coil information.
10. Heating coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410-2001.
11. Connections: Standard Terminal Sizes 4, 5, 6, 7, 8 and high capacity size 9-14 – 1/2 in. OD male solder All others – 7/8 in. OD male solder.

## PERFORMANCE DATA

### SDV Electric Coil Max kW - Staged Control

Size	Staged Heating						
	1 Phase					3 Phase	
	120	208	240	277	480	208	480
4	5.7	5.7	5.7	5.7	5.7	5.7	5.7
5	5.7	6.9	6.7	6.5	6.7	6.9	6.9
6	5.7	6.9	6.7	6.5	6.7	6.9	6.9
7	5.7	9.8	9.5	9.2	9.5	9.8	9.8
8	5.7	9.8	9.5	9.2	9.5	9.8	9.8
9	5.7	9.9	11.5	13.2	19.1	16.5	16
10	5.7	9.9	11.5	13.2	19.1	16.5	16
12	5.7	9.9	11.5	13.2	23	17.2	26.9
14	5.7	9.9	11.5	13.2	23	17.2	32
16	5.7	9.9	11.5	13.2	23	17.2	39.9
24x16	5.7	9.9	11.5	13.2	23	17.2	39.9

### SDV Electric Coil Max kW - SCR Control

Size	SCR Heating						
	1 Phase					3 Phase	
	120	208	240	277	480	208	480
4	5.4	5.7	5.7	5.7	5.7	5.7	5.7
5	5.4	6.9	6.7	6.5	6.7	6.9	6.7
6	5.4	6.9	6.7	6.5	6.7	6.9	6.7
7	5.4	9.3	9.5	9.2	9.5	9.8	9.5
8	5.4	9.3	9.5	9.2	9.5	9.8	9.5
9	5.4	9.3	10.8	12.4	16	16.2	16
10	5.4	9.3	10.8	12.4	16	16.2	16
12	5.4	9.3	10.8	12.4	21.5	16.2	26.9
14	5.4	9.3	10.8	12.4	21.5	16.2	32
16	5.4	9.3	10.8	12.4	21.5	16.2	37.4
24x16	3.5	9.3	10.8	12.4	21.5	16.2	37.4

**Notes:**

- ETL certified assemblies.
- Minimum kW:  
Staged Control Single Phase = 0.5 kW per stage.  
Staged Control Three Phase = 1.5 kW.  
SCR control, Single phase = 0.5 kW  
SCR control, Three phase = 1.5 Kw
- The recommended limit of 48 Amps may not be exceeded. This requires supplemental fusing to meet NEC code requirements. Contact your local Price representative for further details
- Maximum kW limitations is the lesser of
  - coil selection chart
  - minimum air flow requirements of 70 cfm/kW.
- In some cases, maximum capacity (kW) may be lower than the above values depending on the number of stages selected.  
For most accurate maximum capacities please view our AIO software: <https://www.priceindustries.com/software/all-in-one/>

## PERFORMANCE DATA

### SDV with Low Profile Construction (SDVLP) – Recommended Air Volume Ranges

#### Digital Controls

Unit Size	cfm Min.*	cfm Max.
<b>4</b>	45	225
<b>5</b>	60	350
<b>6</b>	65	450
<b>7</b>	95	650
<b>8</b>	125	800
<b>9</b>	160	1050
<b>10</b>	210	1350
<b>12</b>	300	2100
<b>14</b>	431	3000
<b>16</b>	575	4000

**Notes:**

1. Factory calibrated controls must be selected within the above flow range limits. A minimum value of 0 is also available. When an auxiliary flow setting is specified, the value must be greater than the minimum setting and within the range limits.
2. On controls mounted by Price but supplied by others, the air volume ranges are guidelines only.
3. Minimum airflow limit for digital controls is based on min 0.02 in.w.g. differential pressure signal from airflow sensor. Maximum airflow limit is based on max 1.5 in.w.g. differential pressure signal from airflow sensor.
4. Selection of airflow limits outside the listed values is not recommended. Stability and accuracy may not be acceptable at lower than recommended airflow limits. The actual performance will vary depending on the terminal unit controls supplied.

# PERFORMANCE DATA

## SDV with Low Profile Construction (SDVLP)

Unit Size	Airflow	Basic Unit	Discharge NC Basic Unit ΔPs Across Unit			Discharge NC c/w 36 in. Attenuator ΔPs Across Unit			Radiated NC Basic Unit ΔPs Across Unit		
	cfm	in.w.g.	0.5 in.w.g.	1.5 in.w.g.	3.0 in.w.g.	0.5 in.w.g.	1.5 in.w.g.	3.0 in.w.g.	0.5 in.w.g.	1.5 in.w.g.	3.0 in.w.g.
4	75	0.01	--	--	--	--	--	--	--	--	--
	125	0.01	--	23	24	21	23	--	--	--	--
	150	0.01	23	26	28	24	26	--	--	--	--
	225	0.01	31	34	36	31	33	--	26	22	26
5	125	0.01	--	--	20	--	--	--	--	--	--
	200	0.01	--	25	28	21	24	--	24	21	24
	250	0.01	23	28	32	25	28	21	28	25	28
	350	0.01	25	30	34	26	29	27	34	31	34
6	150	0.02	--	--	22	--	--	--	--	--	--
	225	0.05	--	22	27	--	24	--	21	--	21
	300	0.08	--	23	29	--	24	--	24	20	24
	400	0.14	--	27	33	23	27	--	28	24	28
	450	0.18	--	29	35	25	29	--	29	25	29
7	250	0.02	--	20	27	--	--	--	--	--	--
	350	0.03	--	23	30	--	21	--	23	--	23
	450	0.05	--	26	33	21	25	--	26	22	26
	550	0.07	--	29	35	24	28	--	28	24	28
	650	0.10	21	31	38	26	30	22	29	27	29
8	400	0.01	--	21	29	--	21	--	25	21	25
	500	0.01	--	24	31	--	24	--	28	24	28
	600	0.01	--	26	33	22	26	--	30	26	30
	700	0.01	--	28	35	24	28	21	32	28	32
	800	0.01	--	28	35	23	28	22	33	29	33
9	450	0.07	--	22	30	22	28	--	32	26	32
	650	0.13	--	26	33	24	29	--	35	29	35
	900	0.22	--	27	35	24	29	22	37	31	37
	1100	0.30	--	29	37	25	30	24	39	33	39
10	550	0.06	--	27	35	22	29	--	32	26	32
	750	0.11	--	28	36	24	30	--	34	28	34
	1000	0.17	--	30	38	26	32	21	37	31	37
	1300	0.26	--	32	40	28	35	24	39	33	39
	1350	0.28	20	33	40	28	35	25	40	34	40
12	900	0.07	--	21	28	22	29	--	33	27	33
	1200	0.12	--	24	31	24	31	--	36	29	36
	1600	0.19	--	27	34	26	33	22	38	32	38
	1800	0.23	--	28	35	27	34	23	40	33	40
	2100	0.29	--	30	37	29	35	24	41	35	41
14	1000	0.05	--	--	26	--	22	--	34	28	34
	1500	0.10	--	24	31	20	27	22	38	32	38
	2100	0.17	--	28	35	24	31	25	41	35	41
	2300	0.20	--	29	36	25	32	26	41	35	41
	3000	0.31	21	32	39	28	35	29	44	38	44
16	1500	0.04	--	24	30	--	21	27	36	30	36
	2000	0.07	--	27	33	--	25	31	39	34	39
	2500	0.1	--	29	36	--	27	33	42	36	42
	2800	0.12	21	31	37	--	28	34	43	37	43
	3200	0.15	22	32	38	34	34	34	44	40	44
	4000	0.21	23	32	39	23	32	38	40	47	51

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. All data are application ratings. Application ratings are outside the scope of the AHRI 880-2017 Certification Program.
4. Application ratings are outside the scope of the AHRI 880-2017 Certification Program.
5. ΔPs is the difference in static pressure from inlet to discharge of the unit.
6. ΔPs for terminal units with electric coil is equal to basic unit. Resistance of the coil elements is negligible.
7. 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."
8. Asterisks (\*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
9. Dashes (-) indicate sound power levels below 20.

**Typical Attenuation Values:  
Radiated Sound**

Total Deduction	Octave Band Mid Frequency, Hz					
	120	250	500	1000	2000	4000
All Sizes	18	19	20	26	31	36

**Discharge Sound**

Total Deduction	Octave Band Mid Frequency, Hz					
	120	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

# PERFORMANCE DATA

## SDV with Low Profile Construction (SDVLP) – Discharge Sound Power Levels, Basic Assembly

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 <sup>-12</sup> Watts																							
		0.5 in.w.g. Octave Band						1.0 in.w.g. Octave Band						1.5 in.w.g. Octave Band						3.0 in.w.g. Octave Band					
		2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7
4	75	56	49	41	37	36	29	58	52	46	41	42	36	59	53	48	44	46	40	60	55	53	49	52	48
	125	64	57	47	43	40	32	65	59	52	47	46	40	66	61	54	50	50	44	68	63	59	55	56	52
	150	67	60	49	45	42	34	68	62	54	49	48	41	69	63	56	52	51	46	70	66	61	57	57	53
	225	73	66	54	49	45	37	74	68	58	54	51	44	75	70	61	57	55	49	76	72	65	61	61	56
5	125	57	46	43	38	36	32	60	50	48	43	42	39	62	53	51	46	46	43	64	57	56	51	52	51
	200	64	53	48	43	39	35	66	57	53	48	46	42	68	59	56	51	49	47	70	63	61	56	55	54
	250	66	56	50	45	41	37	69	60	55	50	47	44	71	62	58	53	51	48	73	66	63	58	57	55
	350	71	60	54	49	43	39	74	64	59	54	49	46	75	66	62	57	53	50	78	70	66	61	59	58
6	150	55	47	37	36	34	28	59	52	42	41	41	36	62	55	46	44	44	41	65	60	51	50	51	48
	225	60	52	42	40	37	31	63	57	48	45	44	39	66	60	51	49	47	43	70	65	57	54	54	51
	300	63	56	46	43	39	33	66	61	52	48	46	41	69	64	55	52	49	45	73	69	61	57	56	53
	400	65	60	50	46	41	35	69	65	56	51	48	42	72	68	59	55	51	47	76	73	65	60	58	55
450	67	61	52	47	42	36	71	66	57	53	49	43	73	69	61	56	52	48	77	75	66	61	59	55	
7	250	58	52	42	40	38	34	62	58	49	46	44	41	64	61	53	49	48	45	68	66	60	55	55	52
	350	61	56	46	43	40	36	65	61	53	48	46	43	67	65	57	52	50	47	71	70	64	58	57	54
	450	64	58	49	45	41	37	67	64	56	50	48	45	70	67	60	54	51	49	73	73	66	60	58	56
	550	66	61	51	46	42	39	69	66	58	52	49	46	71	69	62	56	53	50	75	75	69	61	59	57
650	67	62	53	48	43	40	71	68	60	54	50	47	73	71	64	57	54	51	77	77	70	63	60	58	
8	400	60	54	44	42	39	34	64	60	51	48	45	41	67	63	55	51	49	45	71	69	62	57	56	53
	500	62	56	46	44	40	35	66	62	53	50	47	42	69	65	57	53	50	47	73	71	64	59	57	54
	600	64	57	48	46	41	36	68	64	55	51	47	43	70	67	59	55	51	48	74	73	66	61	58	55
	700	65	59	50	47	42	37	69	65	57	53	48	44	72	69	61	56	52	49	76	75	68	62	59	56
800	67	60	51	48	42	38	71	66	58	54	49	45	73	70	63	57	53	49	77	76	70	63	59	57	
9	450	57	54	52	49	45	40	63	60	58	56	53	49	66	64	61	60	58	54	72	70	67	68	67	63
	650	61	56	55	51	46	41	67	63	61	58	55	50	70	67	64	63	59	55	76	73	69	70	68	64
	900	64	59	58	53	47	42	70	65	63	60	56	51	73	69	66	65	61	56	79	75	72	72	69	65
	1100	66	60	59	54	48	43	72	67	65	62	56	52	75	70	68	66	61	57	81	77	74	73	70	66
10	550	59	58	54	50	46	42	64	64	59	57	54	50	67	68	62	61	59	55	73	75	68	69	67	63
	750	61	60	56	52	47	43	67	66	61	59	55	52	70	70	65	63	60	56	75	77	70	71	68	64
	1000	64	61	58	53	48	45	69	68	64	61	56	53	72	72	67	65	61	58	78	78	72	72	69	66
	1300	66	63	60	55	50	47	71	69	65	62	58	55	75	73	69	67	62	59	80	80	74	74	70	67
1350	66	63	60	55	50	47	72	70	66	63	58	55	75	73	69	67	62	60	80	80	74	74	70	68	
12	900	62	55	54	51	47	42	66	61	59	58	55	50	69	64	63	62	60	54	73	70	68	69	68	62
	1200	64	57	56	53	48	43	68	63	62	60	56	51	71	67	65	64	61	56	75	72	71	71	69	64
	1600	66	60	59	55	49	44	71	66	64	62	57	52	73	69	68	66	62	57	78	75	73	73	70	65
	1800	67	61	60	56	50	45	72	67	65	63	58	53	74	70	68	67	62	58	79	76	74	74	70	66
2100	68	62	61	57	50	46	73	68	67	64	58	54	75	71	70	68	63	58	80	77	75	75	71	66	
14	1000	60	53	54	49	47	41	65	59	59	56	55	49	68	62	62	60	60	54	73	68	68	67	68	62
	1500	63	57	57	52	49	44	69	63	62	59	57	51	72	66	65	63	62	56	77	72	71	70	70	64
	2100	67	60	60	55	50	46	72	66	65	62	58	53	75	69	68	66	63	58	80	75	74	73	71	66
	2300	68	61	60	56	50	46	73	67	66	63	59	54	76	70	69	67	63	58	81	76	74	74	71	66
3000	70	64	62	58	52	47	75	69	68	65	60	55	78	73	71	69	64	60	83	79	77	76	72	68	
16	1500	62	58	55	54	50	44	67	63	61	60	58	52	70	66	65	64	62	56	74	71	71	71	70	64
	2000	65	60	57	56	51	46	70	66	64	62	59	54	73	69	67	66	63	58	77	74	74	73	71	66
	2500	67	62	59	57	52	47	72	68	66	64	60	55	75	71	69	68	64	59	80	76	76	75	72	67
	2800	69	63	60	58	53	48	73	69	67	65	60	55	76	72	70	69	65	60	81	77	77	75	73	67
3200	70	65	62	59	53	49	75	70	68	66	61	56	77	73	72	70	66	61	82	78	78	76	73	68	
4000	72	67	64	61	54	50	77	72	70	67	62	57	80	75	74	71	67	62	84	81	80	78	74	69	

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. Application ratings are outside the scope of the AHRI 880-2017 Certification Program.

# PERFORMANCE DATA

## SDV with Low Profile Construction (SDVLP) – Discharge Sound Power Levels with 3 ft Attenuator

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 <sup>-12</sup> Watts																							
		0.5 in.w.g. Octave Band					1.0 in.w.g. Octave Band					1.5 in.w.g. Octave Band					3.0 in.w.g. Octave Band								
		2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7
4	75	56	46	37	28	--	--	57	48	41	32	23	--	58	49	44	35	26	17	60	51	48	40	32	25
	125	63	54	42	34	21	--	64	56	47	38	27	--	65	57	49	41	30	21	66	59	54	45	36	28
	150	65	57	44	36	23	--	66	59	49	40	29	18	67	60	51	43	32	22	69	62	56	47	38	30
	225	70	63	49	40	26	--	72	65	53	45	32	21	72	66	56	47	35	25	74	68	60	52	41	32
5	125	55	44	39	29	21	--	58	47	43	34	27	18	59	50	46	37	30	22	62	53	50	41	35	28
	200	61	50	44	34	24	--	63	54	48	39	29	20	65	56	51	41	32	23	68	59	55	46	37	29
	250	64	53	46	36	25	--	66	56	51	41	30	20	68	59	53	44	33	24	70	62	57	48	38	30
	350	68	57	50	40	27	--	70	61	54	44	32	22	72	63	57	47	35	25	74	67	61	52	40	31
6	150	55	43	38	28	--	--	58	48	43	33	25	--	60	50	46	36	28	19	63	55	51	41	35	27
	225	59	49	42	32	21	--	62	53	47	37	27	17	64	56	50	40	31	22	67	60	55	45	37	30
	300	62	52	46	35	22	--	65	57	51	40	29	19	67	59	53	43	32	24	70	64	58	48	39	31
	400	65	56	49	37	24	--	68	60	54	43	30	21	70	63	57	46	34	25	73	67	62	51	40	33
	450	66	57	50	39	25	--	69	62	55	44	31	22	71	64	58	47	35	26	74	69	63	52	41	34
7	250	56	47	38	31	20	18	59	51	44	36	27	25	61	54	48	39	31	29	64	58	55	45	37	37
	350	59	51	42	35	23	19	63	55	49	40	29	26	65	58	52	43	33	31	68	62	59	49	39	38
	450	62	54	45	38	25	20	66	59	52	43	31	27	68	61	55	46	35	31	71	66	62	52	41	39
	550	65	57	48	40	26	21	68	61	54	46	33	28	70	64	58	49	36	32	73	68	64	54	43	39
	650	67	59	50	42	28	21	70	64	56	48	34	28	72	66	60	51	38	33	75	70	66	56	44	40
8	400	59	50	43	36	26	18	62	55	49	41	32	25	65	57	53	44	35	29	68	62	59	49	42	36
	500	61	53	44	38	27	20	65	57	51	43	33	27	67	60	54	46	37	31	70	64	61	51	43	38
	600	63	55	46	39	28	21	66	59	52	44	34	28	68	62	56	47	38	32	72	66	62	53	44	39
	700	64	56	47	41	29	22	68	61	54	46	35	29	70	64	57	49	39	33	74	68	64	54	45	40
800	65	58	48	42	30	23	69	62	55	47	36	30	71	65	58	50	40	34	75	70	65	55	46	41	
9	450	60	56	53	44	35	24	64	61	58	51	43	33	66	64	60	54	47	39	70	68	65	61	55	48
	650	61	57	54	45	36	25	65	62	59	51	43	34	67	65	61	55	48	39	71	70	66	62	55	48
	900	63	58	55	46	36	25	66	63	59	52	44	35	68	66	62	56	48	40	72	71	67	62	56	49
	1100	63	59	55	46	36	26	67	64	60	53	44	35	69	67	63	56	48	40	73	71	67	63	56	49
10	550	58	55	51	43	35	22	63	61	56	50	43	31	66	64	59	55	47	36	70	69	65	62	55	45
	750	60	57	53	45	36	25	65	63	59	52	44	33	68	66	62	56	48	39	73	71	67	64	56	48
	1000	62	59	56	47	37	27	67	64	61	54	45	36	70	68	64	58	50	41	75	73	69	66	58	50
	1300	64	61	58	48	38	29	69	66	63	56	46	38	72	69	66	60	51	43	77	75	72	67	59	52
	1350	64	61	58	49	38	30	69	66	63	56	46	39	72	70	66	60	51	44	77	75	72	67	59	53
12	900	60	56	52	45	37	26	65	61	57	51	45	34	68	64	60	55	50	39	73	70	66	62	58	47
	1200	62	57	54	46	38	28	67	63	59	53	46	36	70	66	63	57	51	41	75	72	68	64	59	49
	1600	64	59	56	48	39	30	69	65	62	55	47	38	72	68	65	59	52	43	77	74	70	66	60	51
	1800	65	60	57	49	39	31	70	66	63	56	47	39	73	69	66	60	52	44	78	75	71	66	60	52
	2100	66	61	58	50	40	32	71	67	64	56	48	40	74	70	67	60	53	45	79	76	73	67	61	53
14	1000	57	51	52	44	39	28	62	56	57	51	47	35	65	59	61	55	52	40	69	65	66	61	60	47
	1500	61	55	55	47	40	31	66	60	61	54	48	38	68	63	64	58	53	42	73	69	69	65	61	50
	2100	64	58	58	50	42	33	69	63	63	57	50	40	72	66	67	60	54	45	76	72	72	67	62	52
	2300	65	59	59	51	42	33	70	64	64	57	50	41	73	67	67	61	54	45	77	73	73	68	62	53
	3000	68	61	61	53	43	35	72	67	66	59	51	43	75	70	69	63	55	47	80	75	75	70	63	54
16	1500	60	55	55	48	42	30	64	61	61	55	50	37	66	64	64	59	54	41	71	69	69	65	62	48
	2000	63	58	58	51	43	32	67	63	63	57	51	39	70	67	66	61	55	43	74	72	72	68	63	50
	2500	65	60	59	52	44	33	69	65	65	59	52	40	72	69	68	63	56	44	76	74	74	69	64	51
	2800	66	61	60	53	45	34	71	67	66	60	52	41	73	70	69	64	57	45	77	75	75	70	64	52
	3200	68	62	62	54	45	35	72	68	67	61	53	42	75	71	70	65	57	46	79	76	76	71	65	53
	4000	70	65	63	56	46	36	74	70	69	62	54	43	77	73	72	66	58	48	81	78	78	73	66	55

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. All data are application ratings. Application ratings are outside the scope of the AHRI 880 Certification Program.
4. Dashes (-) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.

# PERFORMANCE DATA

## SDV with Low Profile Construction (SDVLP) – Radiated Sound Power Levels

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 <sup>-12</sup> Watts																																	
		0.5 in.w.g.						1.0 in.w.g.						1.5 in.w.g.						3.0 in.w.g.															
		2		3		4		5		6		7		2		3		4		5		6		7		2		3		4		5		6	
4	75	44	35	28	23	--	--	45	37	32	27	23	21	46	38	34	29	26	23	48	40	37	33	31	28										
	125	48	42	35	28	22	19	50	43	38	33	27	23	50	45	40	35	29	26	52	47	44	39	34	30										
	150	50	44	37	30	23	19	51	46	41	35	28	24	52	47	43	37	31	26	53	49	46	41	36	31										
	225	53	49	42	35	25	21	55	51	46	39	30	26	55	52	48	42	33	28	57	54	51	46	38	33										
5	125	50	35	29	22	--	--	52	38	33	26	22	19	53	40	35	29	25	23	55	42	39	33	31	30										
	200	56	42	35	27	20	--	58	44	38	31	26	23	59	46	40	34	29	27	61	49	44	38	35	34										
	250	59	45	37	30	22	18	61	47	41	34	28	25	62	49	43	36	32	29	64	52	47	41	37	36										
	350	64	49	41	33	26	20	66	52	45	37	31	27	67	54	47	40	35	31	69	56	51	44	41	38										
6	150	46	37	30	24	20	--	50	41	34	28	26	23	52	43	36	31	30	27	55	47	39	36	36	33										
	225	50	42	35	28	24	19	54	46	38	33	30	26	56	48	41	35	33	29	59	52	44	40	39	36										
	300	53	45	38	31	26	21	56	49	42	36	32	27	58	51	44	38	36	31	62	55	48	43	42	37										
	400	56	48	41	34	28	23	59	52	45	38	34	29	61	54	47	41	38	33	64	58	51	46	44	39										
	450	57	50	43	35	29	24	60	54	47	40	35	30	62	56	49	42	39	34	65	60	52	47	45	40										
7	250	50	37	31	28	22	--	52	42	37	32	26	20	53	45	40	34	29	23	56	50	46	38	33	29										
	350	53	41	34	31	25	18	56	45	40	35	29	24	57	48	43	37	32	27	59	53	49	41	36	32										
	450	56	43	36	34	28	21	58	48	42	37	32	26	59	51	46	40	34	29	62	56	51	44	39	34										
	550	58	45	38	35	30	23	60	50	44	39	34	28	62	53	47	41	36	31	64	58	53	45	41	36										
	650	60	47	40	37	31	24	62	52	46	41	36	29	63	55	49	43	38	32	65	60	55	47	42	37										
8	400	54	43	33	26	23	--	57	47	39	32	29	25	59	50	42	35	33	29	62	55	48	40	39	37										
	500	56	45	35	28	24	18	59	50	41	34	31	25	61	53	44	37	34	30	64	58	50	42	40	38										
	600	57	47	37	30	25	18	61	52	42	35	32	26	63	55	46	38	35	31	66	60	52	44	41	39										
	700	59	49	38	31	26	18	62	54	44	36	32	26	64	56	47	40	36	31	67	61	53	45	42	39										
	800	60	50	39	32	27	19	63	55	45	38	33	27	65	58	48	41	37	31	69	63	54	46	43	39										
9	450	52	49	43	35	25	21	57	53	49	42	33	30	59	56	52	46	38	35	63	61	57	53	46	44										
	650	55	51	46	37	27	22	60	56	51	44	35	30	62	59	54	48	40	36	66	64	60	55	48	44										
	900	58	54	48	39	28	22	62	59	54	46	37	31	65	61	57	50	41	36	69	66	62	57	49	45										
	1100	59	55	50	40	29	23	64	60	55	47	37	32	66	63	58	51	42	37	70	68	64	58	50	46										
10	550	52	48	43	35	25	--	57	53	48	43	33	24	59	56	52	47	38	30	63	61	57	54	46	40										
	750	55	51	45	37	27	17	59	56	51	45	35	27	62	58	54	49	40	33	66	63	59	56	48	43										
	1000	58	53	47	39	29	20	62	58	53	46	37	30	64	61	56	51	42	36	69	66	61	58	50	46										
	1300	60	55	49	41	31	23	64	60	55	48	39	33	67	63	58	52	44	38	71	68	63	60	52	48										
	1350	61	56	49	41	32	23	65	61	55	48	40	33	67	64	58	53	45	39	71	68	63	60	53	48										
12	900	55	48	44	38	28	20	60	54	49	44	35	28	63	57	53	48	40	34	68	63	58	55	47	42										
	1200	57	51	46	39	30	22	62	56	52	46	37	30	65	59	55	50	42	35	70	65	61	57	49	44										
	1600	59	53	48	41	32	24	64	59	54	48	39	32	67	62	57	52	43	37	72	67	63	59	51	46										
	1800	60	54	49	42	32	25	65	60	55	49	40	33	68	63	58	53	44	38	73	68	64	60	51	47										
	2100	61	56	50	43	33	26	66	61	56	50	41	34	69	64	59	54	45	39	74	70	65	61	52	48										
14	1000	52	47	45	37	28	20	56	52	51	43	35	28	59	55	54	47	39	32	63	60	59	53	45	40										
	1500	57	51	48	40	31	24	61	56	54	46	38	32	64	59	57	50	42	37	68	64	63	57	49	44										
	2100	61	55	51	43	34	28	65	60	57	49	41	36	68	63	60	53	45	40	72	68	65	59	52	48										
	2300	62	56	52	44	35	29	66	61	57	50	42	37	69	64	60	54	46	41	73	69	66	60	52	49										
	3000	65	59	54	46	37	32	69	64	59	52	44	39	72	67	63	56	48	44	76	72	68	62	55	52										
16	1500	57	53	47	39	32	22	61	58	52	45	37	29	63	61	55	48	40	33	66	65	60	54	46	39										
	2000	62	56	49	42	35	26	65	61	55	47	41	33	67	63	58	51	44	36	70	68	63	57	49	43										
	2500	65	58	51	44	38	29	68	63	57	50	43	36	70	65	60	53	46	39	73	70	65	59	52	46										
	2800	66	59	52	45	39	31	70	64	58	51	45	37	72	67	61	54	48	41	75	71	66	60	53	48										
	3200	68	61	54	46	41	32	72	65	59	52	46	39	74	68	62	55	49	43	77	73	67	61	55	49										
	4000	71	63	56	48	43	35	75	67	61	54	49	42	77	70	64	57	52	46	80	75	69	63	57	52										

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. All data are applications ratings. Application ratings are outside the scope of the AHRI 880 Certification Program.
4. Dashes (-) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.



# PERFORMANCE DATA



## SDV with Low Profile Construction (SDVLP) – 1 and 2 Row Hot Water Coil Data

Inlet Size 4,5,6

Rows	Coil gpm	HD Loss	Airflow Rate, cfm								
			125	150	175	200	225	250	300	350	400
1 Row Multi Circuit	0.5	0.15	5.5	6.0	6.4	6.7	7.0	7.3	7.8	8.2	8.5
	1	0.50	6.3	6.9	7.4	7.9	8.4	8.8	9.5	10.1	10.6
	2	1.73	6.7	7.4	8.1	8.7	9.2	9.7	10.6	11.3	12.0
	3	3.60	6.9	7.7	8.3	9.0	9.5	10.1	11.0	11.8	12.6
	Through the Coil, ΔPs		0.02	0.03	0.03	0.04	0.05	0.06	0.08	0.10	0.13
2 Row Multi Circuit	1	0.14	10.5	11.7	12.7	13.7	14.6	15.4	16.7	17.9	18.9
	2	0.47	11.2	12.6	13.9	15.1	16.2	17.2	19.0	20.6	21.9
	4	1.64	11.6	13.1	14.5	15.8	17.0	18.2	20.2	21.9	23.5
	6	3.43	11.7	13.3	14.8	16.1	17.4	18.6	20.7	22.5	24.2
	Through the Coil, ΔPs		0.04	0.06	0.07	0.09	0.11	0.13	0.18	0.23	0.29

Inlet Size 7,8

Rows	Coil gpm	HD Loss	Airflow Rate, cfm								
			200	250	300	350	400	500	600	700	800
1 Row Multi Circuit	0.5	0.21	7.23	7.9	8.4	8.8	9.2	9.8	10.3	10.7	11.0
	1	0.73	8.68	9.6	10.4	11.1	11.7	12.7	13.5	14.2	14.8
	2	2.53	9.59	10.8	11.8	12.7	13.5	14.8	15.9	16.9	17.7
	3	5.25	9.97	11.3	12.4	13.4	14.2	15.7	17.0	18.1	19.1
	Through the Coil, ΔPs		0.03	0.04	0.05	0.06	0.08	0.11	0.15	0.20	0.25
2 Row Multi Circuit	1	0.17	14.68	16.5	18.0	19.3	20.5	22.3	23.8	25.0	26.0
	2	0.60	16.33	18.7	20.7	22.5	24.1	26.8	29.1	31.0	32.7
	4	2.10	17.18	19.8	22.2	24.3	26.2	29.5	32.2	34.7	36.8
	6	4.39	17.52	20.3	22.8	25.1	27.1	30.6	33.6	36.3	38.6
	Through the Coil, ΔPs		0.06	0.08	0.11	0.14	0.18	0.26	0.35	0.45	0.56

Inlet Size 9,10

Rows	Coil gpm	HD Loss	Airflow Rate, cfm								
			300	400	500	600	700	800	900	1000	1100
1 Row Multi Circuit	1	0.11	12.14	13.7	14.9	15.9	16.7	17.4	18.0	18.5	19.0
	2	0.37	14.10	16.2	18.0	19.4	20.7	21.8	22.7	23.6	24.4
	4	1.29	15.24	17.8	19.9	21.7	23.2	24.6	25.9	27.0	28.0
	6	2.72	15.72	18.4	20.7	22.7	24.4	25.9	27.3	28.6	29.7
	Through the Coil, ΔPs		0.03	0.04	0.06	0.09	0.11	0.14	0.17	0.20	0.24
2 Row Multi Circuit	1	0.19	20.07	22.9	25.0	26.7	28.0	29.2	30.1	31.0	31.7
	2	0.67	23.52	27.6	30.9	33.7	36.0	38.0	39.8	41.4	42.8
	4	2.33	25.47	30.5	34.7	38.2	41.3	44.1	46.5	48.7	50.8
	6	4.87	26.24	31.6	36.2	40.1	43.6	46.7	49.5	52.1	54.4
	Through the Coil, ΔPs		0.06	0.10	0.15	0.20	0.25	0.31	0.38	0.45	0.53

Inlet Size 12

Rows	Coil gpm	HD Loss	Airflow Rate, cfm							
			400	500	600	700	800	1000	1200	1400
1 Row Multi Circuit	1	0.12	15.3	16.6	17.7	18.7	19.4	20.7	21.7	22.5
	2	0.41	18.6	20.7	22.4	23.9	25.2	27.3	29.0	30.5
	3	1.43	20.7	23.3	25.6	27.5	29.2	32.2	34.6	36.7
	4	3.00	21.6	24.5	27.0	29.2	31.1	34.4	37.3	39.7
	Through the Coil, ΔPs		0.03	0.04	0.06	0.07	0.09	0.13	0.17	0.22
2 Row Multi Circuit	1	0.22	24.8	27.1	29.0	30.5	31.7	33.6	35.1	36.2
	2	0.75	30.6	34.4	37.6	40.3	42.6	46.4	49.5	52.0
	4	2.60	34.1	39.1	43.4	47.2	50.6	56.3	61.0	65.0
	6	5.44	35.5	41.1	45.9	50.2	54.0	60.7	66.3	71.1
	Through the Coil, ΔPs		0.06	0.09	0.12	0.16	0.20	0.28	0.38	0.49

Performance notes at end of section.

# PERFORMANCE DATA



## SDV with Low Profile Construction (SDVLP) – 1 and 2 Row Hot Water Coil Data

### Inlet Size 14

Rows	Coil gpm	HD Loss	Airflow Rate, cfm								
			600	800	1000	1200	1400	1600	1800	2000	2200
1 Row Multi Circuit	2	0.13	24.8	28.0	30.4	32.4	34.0	35.4	36.7	37.7	38.7
	4	0.46	28.9	33.3	36.8	39.8	42.3	44.5	46.4	48.2	49.8
	8	1.61	31.3	36.5	40.8	44.4	47.5	50.3	52.9	55.1	57.2
	12	3.36	32.3	37.9	42.5	46.5	49.9	53.0	55.8	58.4	60.7
	Through the Coil, ΔPs		0.04	0.07	0.09	0.13	0.16	0.20	0.25	0.29	0.34
2 Row Multi Circuit	2	0.19	40.7	46.3	50.5	53.9	56.6	58.9	60.9	62.5	64.0
	4	0.65	47.7	56.0	62.7	68.2	72.9	76.9	80.5	83.6	86.5
	8	2.25	51.6	61.8	70.1	77.3	83.5	89.1	94.0	98.5	102.5
	12	4.71	53.2	64.1	73.3	81.2	88.2	94.5	100.1	105.2	109.9
	Through the Coil, ΔPs		0.09	0.14	0.21	0.28	0.36	0.45	0.55	0.65	0.76

### Inlet Size 16

Rows	Coil gpm	HD Loss	Airflow Rate, cfm										
			800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
1 Row Multi Circuit	2	0.14	30.7	33.4	35.5	37.3	38.8	40.1	41.3	42.3	43.2	44.1	44.8
	4	0.48	37.4	41.4	44.8	47.7	50.2	52.4	54.4	56.2	57.8	59.3	60.7
	8	1.69	41.6	46.7	51.0	54.8	58.1	61.1	63.8	66.3	68.6	70.7	72.6
	12	3.54	43.4	49.0	53.8	58.0	61.7	65.1	68.2	71.1	73.7	76.1	78.4
	Through the Coil, ΔPs		0.05	0.07	0.09	0.12	0.15	0.18	0.21	0.25	0.29	0.33	0.37
2 Row Multi Circuit	2	0.20	49.6	54.2	57.8	60.7	63.1	65.1	66.9	68.4	69.8	71.0	72.0
	4	0.69	61.0	68.6	74.8	80.1	84.6	88.6	92.1	95.2	98.0	100.6	102.9
	8	2.42	68.0	77.8	86.2	93.5	99.9	105.7	111.0	115.7	120.1	124.1	127.8
	12	5.06	70.8	81.6	91.0	99.3	106.7	113.5	119.6	125.2	130.4	135.2	139.7
	Through the Coil, ΔPs		0.10	0.15	0.20	0.26	0.32	0.39	0.47	0.55	0.63	0.72	0.82

**Performance Notes:**

1. Tabulated values are in MBH (thousands of Btu per hour).
2. Minimum air and water flow values are based on ASHRAE recommendations for coil selections. For selections below these tabulated air or water values, please consult your local Price representative.
3. Do not select coils for a leaving air temperature above 120 °F.
4. HD (Head) loss is in ft of water.
5. ΔPs, is the pressure drop in in. of water across the coil.
6. Values in tables are listed for 0 ft of altitude and no glycol in the system.
7. For information outside the ranges used in the table, consult the current Price software or your Price representative for accurate coil information.
8. Heating coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410.
9. Connections: 7/8 in. OD male solder.

## PERFORMANCE DATA

### SDV with Low Profile Construction (SDVLP) SDVLP Electric Coil Max kW – Staged Control

Size	Stages	1 Phase						3 Phase		
		120	208	240	277	347	480	208	480	600
4	1, 2, 3	5.6	5.7	5.7	5.7	5.7	4.4	5.7	5.7	5.7
5	1, 2, 3	5.6	6.9	6.7	6.5	6.8	4.4	6.9	6.7	7
6	1, 2, 3	5.6	6.9	6.7	6.5	6.8	4.4	6.9	6.7	7
7	1, 2, 3	5.6	9.8	11.3	11	9.7	11.2	9.8	11.3	9.9
8	1, 2, 3	5.6	9.8	11.3	11	9.7	11.2	9.8	11.3	9.9
9	1, 2, 3	5.6	9.8	11.3	13.1	15	15	15	15	15
10	1, 2, 3	5.6	9.8	11.3	13.1	16.4	19	16.5	19.1	16.8
12	1, 2, 3	5.6	9.8	11.3	13.1	16.4	22.7	17.2	26.9	28.3
14	1, 2, 3	4.6	9.8	11.3	13.1	16.4	22.7	17.2	32	33.6
16	1, 2, 3	3.5	9.8	11.3	13.1	16.4	22.7	17.2	39.9	47.7

### SDVLP Electric Coil Max kW – SCR Control

Size	Stages	1 Phase						3 Phase		
		120	208	240	277	347	480	208	480	600
4	SCR	5.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
5	SCR	5.4	6.9	6.5	6.5	6.8	6.7	6.9	7.1	7
6	SCR	5.4	6.9	6.5	6.5	6.8	6.7	6.9	7.8	7
7	SCR	5.4	9.3	11	11	9.7	11.3	11.4	11.3	11.4
8	SCR	5.4	9.3	11	11	9.7	11.3	11.6	11.3	11.9
9	SCR	5.4	9.3	10.8	12.4	15	15	15	15	15
10	SCR	5.4	9.3	10.8	12.4	15.6	19.1	16.2	19.1	19.2
12	SCR	5.4	9.3	10.8	12.4	15.6	21.5	16.2	26.9	28.3
14	SCR	4.6	9.3	10.8	12.4	15.6	21.5	16.2	32	33.6
16	SCR	3.5	9.3	10.8	12.4	15.6	21.5	16.2	37.4	46.7

**Performance Notes:**

- ETL certified assemblies.
- Minimum kW:  
Staged control Single Phase = .5 kW per stage  
Staged control Three Phase = 1.5 kW.  
SCR controller, Single Phase = 1 kW
- The recommended limit of 48 amps may be exceeded. This requires supplemental fusing to meet NEC code requirements. Contact your local Price representative for further details.
- Maximum kW limitations are the lesser of:
  - Coil selection chart
  - Minimum airflow requirement of 70 cfm/kW.

# SDV

## Single Duct Terminal Unit

# PERFORMANCE DATA



## SDV with Silencer (SDVQ) – AHRI Certification Rating Points

Fiberglass Liner – Straight Silencer

Unit Size	Rated Airflow	Minimum Operating Pressure Required	Radiated Sound Power Level, dB at 1.5 in.w.g. Octave Band							Discharge Sound Power Level, dB at 1.5 in.w.g. Octave Band						
	cfm		in.w.g.	2	3	4	5	6	7	2	3	4	5	6	7	
<b>4</b>	150	0.01	57	47	39	32	28	26	59	47	32	22	20	24		
<b>5</b>	250	0.01	63	47	39	33	28	30	68	52	34	32	29	25		
<b>6</b>	400	0.01	62	52	44	36	32	26	68	53	39	25	23	25		
<b>7</b>	550	0.04	59	53	44	37	34	27	68	55	40	30	29	30		
<b>8</b>	700	0.01	63	52	46	40	35	30	70	56	41	38	38	37		
<b>9</b>	900	0.01	62	53	46	41	38	35	72	57	43	33	38	40		
<b>10</b>	1100	0.01	64	53	47	44	40	37	71	57	45	39	44	44		
<b>12</b>	1600	0.01	66	54	51	49	43	37	71	58	49	44	48	49		
<b>14</b>	2100	0.01	68	56	54	51	47	40	73	59	52	47	52	52		
<b>16</b>	2800	0.01	70	61	57	54	51	44	75	60	52	50	54	52		
<b>24x16</b>	5300	0.01	76	70	64	58	54	49	76	68	59	51	55	55		

**Performance Notes:**

1. Sound power levels expressed in decibels, (dB) re 10<sup>-12</sup> watts.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.

## PERFORMANCE DATA

### SDV with Integral Discharge Silencer (SDVQ) – Recommended Air Volume Ranges

#### Price Intelligent Controller (PIC)

Inlet Size	Min. Flow (CFM)	Max. Flow (CFM)
<b>4</b>	50	225
<b>5</b>	63	350
<b>6</b>	66	450
<b>7</b>	99	650
<b>8</b>	132	800
<b>9</b>	167	1050
<b>10</b>	221	1350
<b>12</b>	304	2100
<b>14</b>	439	3000
<b>16</b>	568	4000
<b>24 x 16</b>	1187	8000

#### Digital Controls

Unit Size	cfm Min.*	cfm Max.
<b>4</b>	50	225
<b>5</b>	63	350
<b>6</b>	66	450
<b>7</b>	99	650
<b>8</b>	132	800
<b>9</b>	167	1050
<b>10</b>	221	1350
<b>12</b>	304	2100
<b>14</b>	439	3000
<b>16</b>	568	4000
<b>24 x 16</b>	1187	8000

**Notes:**

Factory calibrated controls must be selected within the above flow range limits. A minimum value of 0 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 airflow limits below the listed values is not recommended. Stability and accuracy may not be acceptable at lower than recommended airflow limits. The actual performance will vary depending on the terminal unit controls supplied.

Maximum airflow limit is based on max 1.0 in.w.g. differential pressure signal from the airflow sensor.

The table shows the recommended/available minimum airflows for popular single duct sizes. Airflow targets of 0 are typically not recommended due to the fresh air requirements of the occupied space.

# PERFORMANCE DATA

## SDV with Silencer (SDVQ) – Typical Selection Guide

### Fiberglass Liner – Straight Silencer

Unit Size	Airflow cfm	Basic Unit in.w.g.	Minimum ΔPs Across Assembly		Discharge NC Basic Unit ΔPs Across Unit								Radiated NC Basic Unit ΔPs Across Unit			
			1 Row Coil	2 Row Coil	(1) 0.5	(2) 0.5	(1) 1.0	(2) 1.0	(1) 1.5	(2) 1.5	(2) 1.5	(2) 3.0	0.5	1.0	1.5	3.0 in.w.g.
			in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.
4	75	0.01	0.02	0.03	--	--	--	--	--	--	--	--	--	--	--	
	125	0.01	0.03	0.05	--	--	--	--	--	--	--	--	--	--	--	
	150	0.01	0.04	0.08	--	--	--	--	--	--	--	--	--	--	20	
	225	0.01	0.05	0.11	21	--	23	20	24	21	25	23	25	26	27	28
5	125	0.01	0.03	0.05	--	--	--	--	--	20	--	--	--	--	--	
	200	0.01	0.05	0.09	--	--	21	--	24	21	29	26	--	--	22	27
	250	0.01	0.07	0.15	--	--	25	22	28	25	33	30	--	23	26	32
	350	0.04	0.14	0.25	22	--	27	24	30	27	35	32	24	30	33	38
6	150	0.01	0.03	0.06	--	--	--	--	--	--	--	--	--	--	--	
	225	0.01	0.05	0.11	--	--	--	--	--	21	--	--	--	--	--	
	300	0.01	0.08	0.17	--	--	--	--	--	22	--	--	--	--	21	25
	400	0.01	0.12	0.24	--	--	21	--	23	20	27	24	--	23	25	29
7	450	0.01	0.16	0.33	--	--	23	20	25	22	29	26	21	25	27	31
	250	0.01	0.04	0.08	--	--	--	--	--	--	--	--	--	--	--	
	350	0.02	0.08	0.15	--	--	--	--	--	--	--	--	--	--	--	
	450	0.03	0.12	0.22	--	--	--	--	--	--	24	21	--	--	--	23
8	550	0.04	0.17	0.31	--	--	21	--	24	21	28	25	--	--	22	27
	650	0.04	0.21	0.40	21	--	25	22	27	25	31	29	--	22	25	30
	400	0.01	0.08	0.17	--	--	--	--	--	--	21	--	--	--	--	
	500	0.01	0.12	0.24	--	--	--	--	21	--	25	22	--	--	20	24
9	600	0.01	0.16	0.33	--	--	21	--	24	21	28	25	--	21	24	28
	700	0.01	0.2	0.42	20	--	24	21	26	24	30	28	20	24	27	31
	800	0.01	0.25	0.52	--	--	24	21	26	23	30	27	23	27	29	33
	450	0.01	0.06	0.11	--	--	--	--	--	--	22	--	--	--	--	21
10	650	0.01	0.10	0.20	--	--	21	--	23	21	28	25	--	--	20	26
	900	0.01	0.15	0.31	--	--	24	21	26	24	31	28	--	21	25	30
	1050	0.01	0.21	0.44	22	--	26	24	29	26	33	31	--	23	27	33
	550	0.01	0.08	0.16	--	--	--	--	--	--	--	--	--	--	--	21
12	750	0.01	0.12	0.25	--	--	--	--	--	--	25	23	--	--	22	26
	950	0.01	0.18	0.37	--	--	--	--	22	--	27	25	--	23	25	30
	1100	0.01	0.25	0.51	--	--	21	--	24	22	30	27	20	25	28	33
	1350	0.01	0.32	0.66	--	--	25	23	28	26	34	31	24	28	31	36
14	900	0.01	0.10	0.20	--	--	--	--	--	--	25	23	--	--	21	27
	1200	0.01	0.16	0.33	--	--	--	--	21	--	27	24	--	22	25	32
	1600	0.01	0.23	0.47	--	--	23	--	25	22	31	28	--	26	30	36
	1800	0.01	0.31	0.63	21	--	25	21	27	24	32	30	22	28	32	38
16	2100	0.01	0.4	0.82	24	--	28	23	30	26	34	32	24	30	34	41
	1000	0.01	0.07	0.13	--	--	--	--	--	--	21	--	--	--	--	26
	1500	0.01	0.12	0.25	--	--	--	--	22	--	28	25	--	23	26	33
	2100	0.01	0.2	0.4	20	--	25	21	28	24	33	31	22	28	32	38
24x16	2500	0.01	0.28	0.58	23	--	28	24	30	27	36	34	25	31	35	41
	3000	0.01	0.38	0.79	26	20	31	26	33	30	39	36	28	34	38	44
	1500	0.01	0.09	0.19	--	--	--	--	--	--	26	23	--	21	25	31
	2000	0.01	0.15	0.3	--	--	--	--	23	21	31	28	--	26	30	36
24x16	2500	0.01	0.21	0.43	--	--	23	21	27	25	35	32	24	30	34	40
	2800	0.01	0.28	0.58	20	--	25	23	29	27	37	34	25	32	35	42
	3500	0.01	0.37	0.75	24	--	29	27	33	31	41	38	29	35	39	45
	4000	0.01	0.46	0.94	27	22	31	29	36	33	43	41	31	38	41	48
24x16	3000	0.01	0.13	0.28	--	--	--	--	23	20	31	27	25	30	32	37
	4000	0.01	0.21	0.44	--	--	23	21	27	25	34	32	30	35	38	42
	5300	0.01	0.31	0.64	21	--	27	25	31	29	38	36	36	40	43	47
	6000	0.01	0.42	0.86	23	--	29	27	33	31	40	38	38	42	45	50
24x16	7000	0.01	0.54	1.11	25	22	31	29	36	33	42	40	41	45	48	53
	8000	0.01	0.68	1.39	27	24	33	31	37	35	44	42	43	48	50	55

**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. ΔPs for terminal units with electric coil is equal to basic unit. Resistance of the coil elements is negligible.
6. ΔPt is the difference in total pressure from inlet to discharge of the unit.

7. NC values are calculated based on procedures outlined in AHRI Standard 885- 2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."

**Radiated NC** is based on a 5/8 in. mineral fiber tile ceiling per AHRI 885-2008, Appendix E typical attenuation values.

Total Deduction	Octave Band Mid Frequency, Hz					
	120	250	500	1000	2000	4000
All Sizes	18	19	20	26	31	36

**(1) Discharge NC** is based on environmental effect, end reflection, flex duct and sound power division. No deductions for lined duct are included. These calculations are not covered by AHRI 885-2008 Appendix E.

Total Deduction	Octave Band Mid Frequency, Hz					
	120	250	500	1000	2000	4000
< 300 cfm	22	22	27	28	30	22
300 – 700 cfm	25	25	30	31	33	25
> 700 cfm	27	27	32	33	35	27

**(2) Discharge NC** is based on environmental effect, end reflection, flex duct, sound power division and **lined duct** per AHRI 885-2008 Appendix E attenuation values.

Total Deduction	Octave Band Mid Frequency, Hz					
	120	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

## PERFORMANCE DATA

### SDV with Silencer (SDVQ) – Typical Selection Guide

#### Hospital Grade Liner (FF/PL) – Straight Silencer

Unit Size	Airflow cfm	Basic Unit in.w.g.	Minimum ΔPs Across Assembly		Discharge NC Basic Unit ΔPs Across Unit									Radiated NC Basic Unit ΔPs Across Unit			
			1 Row Coil	2 Row Coil	-1 0.5	-2 0.5	-3 0.5	-1 1.5	-2 1.5	-3 1.5	-1 3.0	-2 3.0	-3 3.0	0.5	1.0	1.5	3.0
			in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.	in.w.g.
4	75	0.01	0.02	0.03	--	--	--	--	22	--	--	26	--	--	--	--	
	125	0.01	0.03	0.05	--	25	--	--	30	--	--	33	--	--	--	--	
	150	0.01	0.03	0.06	--	28	--	--	32	--	--	35	--	--	--	--	
	225	0.01	0.05	0.11	26	37	24	26	38	23	27	41	23	23	23	23	24
5	125	0.01	0.03	0.05	--	21	--	--	27	--	--	31	--	--	--	--	
	200	0.01	0.05	0.09	--	27	--	--	33	--	--	37	--	--	--	--	
	250	0.01	0.06	0.13	22	30	--	25	36	23	27	40	25	--	20	22	24
	350	0.01	0.11	0.22	26	33	23	29	37	26	31	41	28	27	29	31	33
6	150	0.01	0.03	0.06	--	--	--	--	24	--	--	28	--	--	--	--	
	225	0.02	0.06	0.12	--	23	--	--	30	--	--	34	--	--	--	--	
	300	0.04	0.11	0.2	--	25	--	--	31	--	--	35	--	--	21	22	--
	400	0.08	0.2	0.34	--	31	--	24	36	--	27	40	23	23	24	26	27
450	0.1	0.25	0.42	22	34	--	27	39	22	30	42	25	25	27	28	30	
7	250	0.02	0.05	0.09	--	20	--	--	29	--	--	34	--	--	--	--	
	350	0.03	0.09	0.16	--	22	--	--	30	--	--	36	--	--	--	21	
	450	0.05	0.14	0.24	--	26	--	21	34	--	25	39	21	--	--	22	26
	550	0.06	0.19	0.33	--	30	--	25	37	20	29	42	25	--	23	26	31
650	0.08	0.25	0.44	22	34	--	28	40	24	32	44	28	22	27	30	35	
8	400	0.01	0.08	0.17	--	25	--	--	33	--	23	38	20	--	--	--	24
	500	0.02	0.13	0.25	--	28	--	22	36	--	27	41	24	--	20	23	28
	600	0.03	0.18	0.35	--	31	--	25	38	22	29	43	27	--	23	26	31
	700	0.05	0.24	0.46	21	33	--	28	41	25	32	46	29	21	26	29	34
800	0.06	0.3	0.57	20	32	--	27	40	25	32	45	29	23	28	31	36	
9	450	0.01	0.06	0.11	--	24	--	--	34	--	23	40	--	--	--	--	21
	650	0.01	0.1	0.2	--	29	--	24	38	20	29	44	26	--	--	22	27
	900	0.01	0.16	0.34	--	31	--	27	40	23	32	46	28	--	24	27	32
	1050	0.01	0.21	0.44	21	33	--	29	42	26	34	48	31	21	26	29	35
10	550	0.01	0.08	0.16	--	26	--	--	34	--	23	39	20	--	--	--	25
	750	0.01	0.12	0.25	--	30	--	23	38	20	28	44	26	--	20	24	30
	950	0.02	0.19	0.38	--	31	--	24	39	22	30	45	27	--	25	28	34
	1100	0.02	0.24	0.48	--	33	--	27	41	24	32	47	30	21	27	31	37
1350	0.03	0.34	0.68	23	35	--	30	44	28	36	49	33	25	31	34	40	
12	900	0.01	0.1	0.2	--	24	--	24	35	21	31	41	28	--	21	25	33
	1200	0.01	0.16	0.33	--	26	--	25	35	23	33	42	30	--	25	30	37
	1600	0.01	0.25	0.52	--	30	--	29	38	27	37	45	34	22	29	34	41
	1800	0.01	0.31	0.63	20	32	--	31	40	29	39	46	36	24	31	35	43
2100	0.01	0.4	0.82	23	34	--	34	43	31	41	49	38	26	33	38	45	
14	1000	0.01	0.07	0.13	--	22	--	--	32	--	24	39	22	--	22	26	32
	1500	0.01	0.12	0.25	--	28	--	24	36	20	30	43	28	21	26	30	36
	2100	0.01	0.21	0.44	21	32	--	28	40	25	35	46	33	24	30	33	39
	2500	0.01	0.28	0.58	23	35	--	30	42	28	38	47	35	26	32	35	41
3000	0.01	0.38	0.79	25	37	--	33	45	30	40	49	38	28	33	37	43	
16	1500	0.01	0.09	0.19	--	26	--	--	37	--	28	44	25	--	21	26	33
	2000	0.01	0.15	0.3	--	28	--	24	39	21	31	47	29	--	26	30	38
	2500	0.01	0.21	0.43	--	30	--	27	42	24	34	49	32	22	30	34	42
	2800	0.01	0.25	0.52	--	33	--	28	43	25	36	50	33	24	31	36	43
3500	0.01	0.37	0.75	23	38	--	32	45	28	39	52	36	27	35	39	47	
4000	0.01	0.46	0.94	25	41	--	34	46	30	41	53	38	30	37	42	49	
24x16	3000	0.01	0.13	0.28	--	32	--	30	43	23	36	50	30	32	36	39	43
	4000	0.01	0.21	0.44	22	34	--	32	45	25	38	51	32	37	42	44	49
	5300	0.01	0.34	0.7	24	36	--	34	46	27	41	53	34	43	47	50	54
	6000	0.01	0.42	0.86	25	37	--	35	47	28	42	54	36	45	50	52	57
7000	0.01	0.54	1.11	27	38	--	37	49	30	43	55	37	48	53	55	60	
8000	0.01	0.68	1.39	28	39	--	38	50	31	44	56	39	51	55	58	62	

#### Performance Notes:

- NCs are derived from sound power levels, which are obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
- NCs are derived from sound power levels which include duct end corrections per AHRI Standard 880-2017.
- Blank spaces (--) indicate NCs less than 20.
- ΔPs is the difference in static pressure from inlet to discharge of the unit.
- ΔPs for terminal units with electric coil is equal to basic unit. Resistance of the coil elements is negligible.
- ΔPt is the difference in total pressure from inlet to discharge of the unit.
- NC values are calculated based on procedures outlined in AHRI Standard 885-2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets".

**Radiated NC** is based on a 5/8 in. mineral fiber tile ceiling per AHRI 885-2008 Appendix E typical attenuation values.

Total Deduction	Octave Band Mid Frequency, Hz				
	120	250	500	1000	2000 4000
All Sizes	18	19	20	26	31 36

**(1) Discharge NC** is based on environmental effect, end reflection, flex duct and sound power division. No deductions for lined duct are included. These calculations are not covered by AHRI 885-2008 Appendix E.

Total Deduction	Octave Band Mid Frequency, Hz				
	120	250	500	1000	2000 4000
< 300 cfm	22	22	27	28	30 22
300 – 700 cfm	25	25	30	31	33 25
> 700 cfm	27	27	32	33	35 27

**(2) Discharge NC** is based on environmental effect, end reflection and sound power division. No deductions for lined duct or flex duct are included. These calculations are not covered by AHRI 885-2008 Appendix E.

Total Deduction	Octave Band Mid Frequency, Hz				
	120	250	500	1000	2000 4000
< 300 cfm	16	12	9	8	9 10
300 – 700 cfm	19	15	12	11	12 13
> 700 cfm	21	17	14	13	14 16

**(3) Discharge NC** is based on environmental effect, end reflection, flex duct, sound power division and **lined duct** per AHRI 885-2008 Appendix E attenuation values.

Total Deduction	Octave Band Mid Frequency, Hz				
	120	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

# PERFORMANCE DATA



## SDV with Silencer (SDVQ) – Radiated Sound Power Levels

Fiberglass Liner – Straight Silencer

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 <sup>-12</sup> Watts																							
		0.5 in.w.g. Octave Band						1.0 in.w.g. Octave Band						1.5 in.w.g. Octave Band						3.0 in.w.g. Octave Band					
		2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7
4	75	45	35	29	--	--	--	46	37	31	24	20	20	47	37	32	26	24	23	48	38	35	29	29	29
	125	53	43	34	26	--	--	54	44	36	29	24	22	54	45	37	30	27	25	55	46	40	33	33	31
	150	56	45	35	27	20	--	57	46	38	30	25	22	57	47	39	32	28	26	58	48	42	34	34	31
	225	62	51	39	31	23	18	63	52	42	33	28	24	63	53	43	35	31	27	64	54	46	38	37	33
5	125	46	31	--	--	--	--	50	34	--	--	--	--	52	36	26	--	--	--	56	38	29	22	21	25
	200	53	39	31	25	--	--	57	42	33	27	22	20	59	43	35	29	24	25	64	46	38	31	29	34
	250	56	43	35	29	21	--	60	45	38	31	26	25	63	47	39	33	28	30	67	50	42	35	33	38
	350	62	48	41	36	27	23	66	51	44	38	32	31	68	53	45	39	35	36	72	55	48	41	39	44
6	150	45	32	--	--	--	--	48	35	28	23	20	--	50	36	31	26	23	20	53	39	36	31	28	25
	225	50	38	29	23	--	--	53	41	34	27	24	19	55	43	36	30	27	22	58	46	41	35	31	27
	300	54	43	33	26	22	--	57	46	37	31	26	21	59	47	40	33	29	24	62	50	45	38	34	29
	400	57	47	36	29	24	18	60	50	41	34	29	23	62	52	44	36	32	26	66	55	48	41	37	31
	450	59	49	38	30	25	19	62	52	42	35	30	24	64	54	45	37	33	27	67	57	50	42	38	32
7	250	41	39	--	--	--	--	45	42	--	--	--	--	47	44	27	--	--	--	51	47	30	--	21	21
	350	46	43	30	23	20	--	50	46	33	25	23	--	52	48	35	26	25	19	56	51	37	27	28	27
	450	50	46	36	30	25	--	54	49	38	31	28	19	56	50	40	32	30	23	60	54	43	33	33	32
	550	53	48	40	35	30	--	57	51	43	36	33	22	59	53	44	37	34	27	63	56	47	38	37	35
	650	56	50	44	39	33	18	60	53	46	41	36	26	62	55	48	41	38	30	66	58	51	43	41	38
8	400	50	36	31	26	21	21	53	40	36	30	26	25	55	43	38	33	28	27	58	48	43	37	33	31
	500	53	40	34	29	24	22	56	44	39	33	28	26	58	47	41	35	31	28	61	51	46	39	36	32
	600	56	43	36	31	26	23	59	47	41	35	31	27	61	50	44	38	33	29	64	54	48	42	38	33
	700	58	45	38	33	28	24	61	50	43	37	32	28	63	52	46	40	35	30	66	57	50	44	39	34
	800	60	47	40	35	29	25	63	52	45	39	34	29	65	55	47	41	37	31	68	59	52	45	41	35
9	450	47	39	33	27	22	17	52	43	36	30	27	25	54	46	39	32	29	29	59	50	42	35	33	37
	650	51	43	37	32	27	20	56	47	40	35	31	28	58	50	43	37	34	32	63	54	46	40	38	40
	900	54	46	40	37	31	23	59	51	44	40	35	31	62	53	46	41	38	35	66	57	50	44	42	43
	1050	56	48	42	39	33	25	61	52	45	42	37	32	63	55	48	43	39	36	68	59	51	46	44	44
10	550	50	37	31	29	24	19	53	42	36	33	28	24	55	45	39	36	31	27	59	49	44	40	35	32
	750	54	41	35	33	28	23	57	45	40	37	32	28	59	48	43	39	35	31	63	53	48	43	39	36
	950	57	44	37	35	31	26	60	48	42	39	35	32	62	51	45	42	38	35	66	56	50	46	42	40
	1100	58	45	39	37	33	28	62	50	44	41	37	33	64	53	47	44	40	37	68	58	52	48	44	42
	1350	61	48	41	39	35	31	65	53	46	43	40	36	67	56	49	46	42	39	70	61	54	50	47	44
12	900	51	39	36	35	29	20	56	44	42	40	33	26	59	48	45	42	36	29	64	53	51	47	41	34
	1200	54	42	39	38	32	24	59	47	45	43	37	30	62	51	48	46	40	33	67	56	53	51	44	38
	1600	58	45	42	42	36	28	63	51	48	47	41	34	66	54	51	49	43	37	71	59	56	54	48	42
	1800	59	46	43	43	38	30	64	52	49	48	42	35	67	55	52	51	45	38	72	61	58	55	49	44
	2100	61	48	45	45	39	32	66	54	50	50	44	37	69	57	54	53	47	40	74	62	59	57	51	46
14	1000	50	39	37	35	31	20	55	45	42	39	36	25	58	48	45	42	38	29	63	53	50	47	42	34
	1500	56	43	42	40	36	26	60	49	47	44	40	32	63	52	50	47	43	35	68	58	55	52	47	40
	2100	60	47	46	44	40	31	65	53	51	48	44	37	68	56	54	51	47	40	72	61	59	56	51	45
	2500	62	49	48	46	42	34	67	54	53	50	46	39	70	58	56	53	49	42	75	63	61	58	53	48
	3000	65	51	50	48	44	37	69	56	55	53	49	42	72	60	58	55	51	45	77	65	63	60	55	50
16	1500	54	45	42	41	37	28	59	50	47	46	42	34	62	54	50	49	45	38	67	59	56	54	51	43
	2000	58	48	45	43	40	31	63	54	50	48	45	37	66	57	53	51	48	41	71	62	59	56	53	46
	2500	61	50	47	45	42	34	66	56	53	50	47	40	69	59	56	53	50	43	74	65	61	58	56	49
	2800	62	52	48	46	43	35	67	57	54	51	48	41	70	61	57	54	51	44	75	66	62	59	57	50
	3500	65	54	51	48	45	37	70	60	56	53	50	43	73	63	59	56	53	46	78	69	64	61	59	52
4000	67	56	52	49	46	39	72	61	57	54	52	44	75	65	61	57	55	48	80	70	66	62	60	54	
24x16	3000	62	55	50	44	39	31	66	59	53	47	42	35	68	62	55	48	43	37	71	66	59	51	46	40
	4000	66	59	55	49	45	37	70	63	58	51	48	41	72	66	60	53	49	43	76	70	63	56	52	46
	5300	70	63	59	54	51	43	74	67	62	56	53	47	76	70	64	58	54	49	80	74	67	60	57	52
	6000	72	65	61	56	53	46	76	69	64	58	55	49	78	72	66	60	57	51	81	76	69	62	59	55
	7000	74	67	63	58	56	49	78	71	67	61	58	52	80	74	69	62	60	54	84	78	72	65	62	58
8000	76	69	65	60	59	52	80	73	69	63	61	55	82	76	71	65	62	57	85	80	74	67	65	61	

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. AHRI certified data is highlighted in blue. All other data are application ratings.
4. Application ratings are outside the scope of the AHRI 880 Certification Program.
5. Dashes (-) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.











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