

SDV

Single Duct Terminal Unit

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	
4	150	0.01	56	49	41	35	31	30	71	66	56	52	50	45		
5	250	0.01	59	51	44	36	32	28	72	67	59	54	51	48		
6	400	0.14	62	57	49	43	38	33	76	71	63	57	52	49		
7	550	0.07	61	54	47	38	32	29	75	71	60	55	53	50		
8	700	0.01	61	55	46	39	33	28	76	70	61	57	54	51		
9	900	0.01	60	54	49	41	36	32	74	69	61	58	56	54		
10	1100	0.01	61	55	47	39	32	31	75	69	60	58	55	53		
12	1600	0.01	61	55	52	44	37	35	74	68	63	60	57	55		
14	2100	0.01	62	57	50	41	37	35	74	67	65	59	57	56		
16	2800	0.01	62	59	53	48	44	37	74	67	64	62	60	57		
24x16	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 10⁻¹² Watts.

PERFORMANCE DATA

SDV – Recommended Air Volume Ranges

Pneumatic

Unit Size	cfm Min. ³	cfm Max.
4	50	225
5	63	350
6	66	450
7	99	650
8	132	800
9	167	1050
10	221	1350
12	304	2100
14	439	3000
16	568	4000
24 x 16	1187	8000

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 pneumatic controls is based on min 0.02 in.w.g. differential pressure signal from airflow sensor. Maximum airflow limit is based on max 1.0 in.w.g. differential pressure signal from the airflow sensor.
4. 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.

Digital Controls

Unit Size	cfm Min. ⁴	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

5. 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.		Min. ΔPt. Basic Unit 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.
4	75	0.01	0.01	0.02	0.03	0.06	--	--	--	--	--	--	--	--	--
	150	0.01	0.01	0.03	0.06	0.19	29	29	29	21	24	26	--	--	--
	200	0.01	0.01	0.04	0.09	0.33	35	35	35	26	29	31	21	22	23
	300	0.01	0.01	0.08	0.16	0.74	40	40	40	28	31	33	29	31	31
	400	0.01	0.01	0.12	0.25	1.31	46	46	47	33	36	38	35	36	37
5	125	0.01	0.01	0.03	0.05	0.06	--	--	20	--	--	--	--	--	--
	250	0.01	0.01	0.06	0.12	0.21	24	30	33	--	24	28	--	20	23
	300	0.01	0.01	0.08	0.16	0.3	23	29	32	--	23	27	--	24	27
	400	0.01	0.01	0.12	0.25	0.53	27	34	38	--	27	31	22	29	32
	500	0.01	0.01	0.16	0.35	0.82	31	38	42	22	30	34	26	32	36
6	150	0.02	0.02	0.04	0.07	0.05	--	20	23	--	--	--	--	--	--
	225	0.05	0.05	0.09	0.14	0.13	20	26	30	--	20	24	--	--	20
	300	0.08	0.08	0.15	0.23	0.21	21	27	31	--	--	23	--	21	25
	400	0.14	0.14	0.25	0.38	0.38	26	36	36	--	23	27	20	26	29
	550	0.27	0.27	0.45	0.67	0.72	31	37	41	21	27	31	25	31	34
7	250	0.02	0.02	0.06	0.10	0.07	--	23	26	--	--	20	--	--	--
	350	0.03	0.03	0.09	0.17	0.13	--	24	28	--	--	21	--	--	20
	550	0.07	0.07	0.20	0.37	0.31	25	31	36	--	24	28	--	24	27
	625	0.1	0.1	0.26	0.47	0.41	27	33	38	--	25	30	20	25	29
	800	0.16	0.16	0.41	0.72	0.66	28	36	41	20	27	32	23	28	33
8	400	0.01	0.01	0.09	0.19	0.08	--	22	26	--	--	21	--	--	21
	500	0.01	0.01	0.12	0.27	0.12	20	26	30	--	--	24	--	--	24
	700	0.01	0.01	0.21	0.46	0.22	26	31	36	--	24	28	--	24	29
	900	0.01	0.01	0.31	0.69	0.35	27	34	38	--	24	29	22	28	33
	1100	0.01	0.01	0.43	0.96	0.52	31	37	41	--	27	32	26	31	36
9	450	0.01	0.01	0.06	0.13	0.07	--	22	28	--	--	25	--	--	22
	700	0.01	0.01	0.12	0.25	0.15	--	26	33	--	22	28	--	21	26
	900	0.01	0.01	0.17	0.38	0.23	20	27	34	--	22	29	--	23	29
	1100	0.01	0.01	0.24	0.52	0.35	23	30	37	--	24	30	--	25	31
	1400	0.01	0.01	0.35	0.77	0.55	26	33	39	--	26	32	20	28	33
10	550	0.01	0.01	0.08	0.17	0.06	--	21	28	--	--	23	--	--	22
	950	0.01	0.01	0.19	0.41	0.16	--	26	32	--	21	27	--	22	28
	1100	0.01	0.01	0.24	0.52	0.21	--	28	34	--	23	28	--	24	30
	1500	0.01	0.01	0.39	0.87	0.39	23	31	38	--	26	32	21	27	33
	1800	0.01	0.01	0.53	1.17	0.55	25	34	40	20	28	34	23	30	35
12	900	0.01	0.01	0.11	0.23	0.07	--	21	29	--	--	25	--	20	26
	1200	0.01	0.01	0.17	0.37	0.12	--	24	31	--	22	28	--	24	29
	1600	0.01	0.01	0.27	0.58	0.21	--	26	33	--	24	31	--	26	32
	1800	0.01	0.01	0.32	0.71	0.27	--	28	34	--	25	32	--	28	34
	2600	0.01	0.01	0.58	1.29	0.54	21	32	38	21	30	36	23	32	38
14	1000	0.01	0.01	0.08	0.16	0.05	--	--	27	--	23	30	--	--	26
	1500	0.01	0.01	0.14	0.29	0.11	--	22	30	--	25	32	--	23	30
	2100	0.01	0.01	0.23	0.50	0.2	--	26	33	--	28	35	--	26	34
	2700	0.01	0.01	0.35	0.76	0.33	--	28	35	--	29	36	--	29	36
	3700	0.01	0.01	0.58	1.28	0.61	20	31	38	20	32	39	23	33	40
16	1500	0.01	0.01	0.10	0.21	0.07	--	20	28	--	21	29	--	22	29
	2000	0.01	0.01	0.15	0.33	0.11	--	23	31	--	24	32	--	25	32
	2600	0.01	0.01	0.23	0.50	0.18	--	26	33	--	26	34	--	28	35
	3200	0.01	0.01	0.32	0.70	0.27	--	28	35	--	28	36	20	31	38
	4000	0.01	0.01	0.46	1.01	0.41	--	30	37	--	31	38	23	33	40
5000	0.01	0.01	0.67	1.47	0.64	20	32	40	21	33	40	26	36	43	
24x16	3000	0.01	0.01	0.16	0.33	0.06	23	32	37	--	27	32	24	31	35
	4000	0.01	0.01	0.25	0.52	0.11	27	35	41	23	31	36	29	35	39
	5300	0.01	0.01	0.39	0.83	0.18	30	39	44	27	35	40	30	39	43
	6000	0.01	0.01	0.47	1.02	0.23	32	41	46	28	37	42	31	41	45
	7000	0.01	0.01	0.61	1.32	0.3	34	42	48	30	39	44	32	43	47
	8400	0.01	0.01	0.83	1.80	0.43	36	45	50	33	41	46	33	46	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.
- ΔPt is the difference in total 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 – Discharge Sound Power Levels, Basic Assembly

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 ⁻¹² Watts																											
		0.5 in.w.g.							1.0 in.w.g.							1.5 in.w.g.							3.0 in.w.g.						
		Octave Band							Octave Band							Octave Band							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	60	53	41	37	35	31	60	53	43	40	39	35	60	53	45	42	42	38	60	54	48	45	46	41				
	150	71	65	51	47	43	39	71	66	54	51	48	43	71	66	56	52	50	45	71	66	58	56	55	49				
	200	76	71	56	52	47	43	76	71	58	55	51	46	76	71	60	57	54	49	76	72	63	60	58	53				
	275	81	77	60	56	51	46	81	77	63	59	55	50	81	77	65	61	58	52	81	78	68	64	62	56				
5	125	58	52	44	40	36	33	61	55	48	43	41	38	62	56	50	45	44	41	64	59	54	49	49	47				
	250	69	63	53	48	43	40	71	66	57	52	48	45	72	67	59	54	51	48	74	70	63	57	56	53				
	300	71	66	56	51	45	41	74	68	60	54	50	47	75	70	62	56	53	50	77	72	66	60	58	55				
	375	75	69	59	54	47	43	77	72	63	57	52	49	78	73	65	59	55	52	80	76	69	63	60	57				
6	150	60	51	43	39	34	33	62	55	47	43	40	39	64	57	50	45	44	42	67	61	54	49	49	49				
	225	64	57	49	44	38	35	67	61	53	48	44	42	69	63	55	50	47	45	72	67	59	54	53	51				
	300	68	61	52	47	40	37	71	65	57	51	46	43	73	67	59	53	49	47	75	71	63	58	55	53				
	400	72	66	56	50	43	39	74	69	61	55	48	45	76	71	63	57	52	49	79	75	67	61	58	55				
550	75	70	61	54	45	41	78	74	65	58	51	47	80	76	67	61	54	51	83	80	72	65	60	57					
7	250	62	52	42	40	37	35	65	57	47	44	43	41	66	60	50	46	46	44	69	64	55	50	51	50				
	350	66	57	47	44	40	37	69	62	51	48	46	43	70	64	54	50	49	47	73	69	59	54	54	53				
	550	71	63	53	49	44	41	74	68	57	53	50	46	75	71	60	55	53	50	78	75	65	59	58	56				
	625	72	65	54	51	45	42	75	70	59	54	51	47	77	73	62	57	54	51	80	77	67	61	59	57				
800	75	69	58	53	47	43	78	73	62	57	53	49	80	76	65	60	56	53	82	81	70	64	62	58					
8	400	64	54	46	44	40	36	67	59	50	47	46	43	69	61	53	49	49	46	72	66	57	52	54	52				
	500	67	58	49	47	43	38	70	62	53	50	48	44	72	65	56	52	51	48	75	69	60	55	56	54				
	700	72	63	54	52	46	41	75	67	58	55	51	47	76	70	61	57	54	51	80	74	65	60	60	57				
	900	75	66	58	56	48	43	78	71	62	59	54	49	80	73	65	61	57	53	83	78	69	64	62	59				
1050	77	69	60	58	50	45	80	73	64	61	55	51	82	76	67	63	58	54	85	80	71	67	64	60					
9	450	61	54	45	44	42	38	65	60	50	47	47	44	67	63	53	49	50	48	70	69	58	52	56	54				
	700	66	58	51	50	46	42	70	64	56	53	51	48	72	67	58	55	54	52	75	73	63	58	59	58				
	900	69	60	54	53	48	44	72	66	59	56	53	50	74	69	61	58	56	54	78	75	66	62	61	60				
	1100	71	62	56	56	50	46	75	68	61	59	55	52	77	71	64	61	58	56	80	77	69	64	63	62				
1400	74	64	59	59	52	48	77	70	64	62	57	54	79	73	67	64	60	58	83	79	72	68	65	64					
10	550	61	54	44	43	41	38	66	60	48	47	47	44	68	63	51	49	50	47	72	68	56	53	55	53				
	950	67	60	50	50	46	43	71	65	55	54	51	48	73	68	58	56	54	52	78	73	63	60	60	58				
	1100	68	61	52	52	47	44	72	66	57	56	52	50	75	69	60	58	55	53	79	75	65	62	61	59				
	1500	71	64	56	56	50	46	75	69	61	60	55	52	78	72	64	62	58	56	82	78	68	66	63	61				
1800	73	66	58	58	51	48	77	71	63	62	56	54	80	74	66	64	60	57	84	79	71	68	65	63					
12	900	61	54	49	46	44	42	66	60	54	51	49	48	69	64	57	54	52	51	74	70	62	59	58	57				
	1200	63	56	52	49	46	44	69	62	57	54	52	50	72	66	60	57	55	53	77	72	66	62	60	59				
	1600	66	58	55	52	49	46	71	64	60	57	54	52	74	68	63	60	57	55	79	74	69	65	62	61				
	1800	67	59	56	53	49	47	72	65	62	58	55	53	75	69	65	61	58	56	80	75	70	66	63	62				
2500	70	61	60	57	52	49	75	67	65	62	57	55	78	71	69	64	60	59	83	77	74	69	66	65					
14	1000	59	52	47	45	44	41	65	58	52	50	49	48	68	62	55	53	52	51	73	69	60	57	57	58				
	1500	62	54	52	49	47	44	68	61	57	54	52	50	71	65	60	56	55	54	76	71	66	61	60	60				
	2100	65	57	57	52	50	46	70	63	62	57	55	52	74	67	65	59	57	56	79	74	70	64	62	62				
	2500	66	58	60	53	51	47	72	64	65	58	56	53	75	68	68	61	59	57	80	75	73	66	64	64				
3500	69	60	65	56	54	49	74	67	70	61	59	55	78	70	73	64	61	59	83	77	78	69	66	66					
16	1500	60	52	49	49	47	43	66	59	55	54	52	49	69	63	58	57	56	53	75	70	63	62	62	60				
	2000	62	54	53	51	49	45	68	61	58	56	54	51	72	65	61	59	58	55	77	72	66	65	63	62				
	2500	64	56	55	53	50	46	70	63	60	58	56	53	73	67	63	61	59	56	79	73	68	67	65	63				
	2800	65	57	56	54	51	47	71	63	61	59	57	53	74	67	64	62	60	57	80	74	70	68	66	64				
3500	67	58	59	56	52	48	73	65	64	61	58	55	76	69	67	64	61	59	82	76	72	69	67	65					
4500	69	60	61	58	54	50	74	67	67	63	60	56	78	71	70	66	63	60	84	77	75	71	69	67					
24x16	3000	68	66	60	58	58	51	72	70	66	65	64	58	74	73	69	69	67	62	78	78	75	75	73	69				
	4000	72	69	62	60	60	53	76	73	68	67	65	60	78	76	71	71	69	64	82	81	77	77	75	71				
	5300	76	72	65	62	61	55	79	76	70	68	67	62	82	79	74	72	71	66	85	84	79	79	76	72				
	6000	77	73	66	62	62	55	81	77	71	69	68	62	83	80	75	73	71	66	87	85	80	79	77	73				
	7000	79	74	67	63	63	56	83	79	73	70	69	63	85	82	76	74	72	67	89	86	82	80	78	74				
8400	81	76	68	64	64	57	85	81	74	71	70	64	87	84	77	75	74	68	91	88	83	81	79	75					

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 880-2017 Certification Program.

PERFORMANCE DATA

SDV – Discharge Sound Power Levels with 3 ft Attenuator

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 ⁻¹² Watts																													
		0.5 in.w.g.							1.0 in.w.g.							1.5 in.w.g.							3.0 in.w.g.								
		Octave Band							Octave Band							Octave Band							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	2	3	4	5	6	7
4	75	56	46	37	28	19	17	57	48	41	32	23	17	58	49	44	35	26	17	60	51	48	40	32	25	69	62	56	47	38	30
	150	65	57	44	36	23	17	66	59	49	40	29	18	67	60	51	43	32	22	71	64	55	46	34	24	72	66	59	51	40	31
	200	69	61	48	39	25	17	70	63	52	43	31	20	71	64	55	46	34	24	72	66	59	51	40	31	73	67	60	52	41	32
	275	73	66	51	42	28	22	74	68	56	47	34	22	75	69	58	50	37	26	76	71	62	54	43	34	78	73	66	58	47	36
5	125	55	44	39	29	21	17	58	47	43	34	27	17	59	50	46	37	30	22	62	53	50	41	35	28	70	62	57	48	38	30
	250	64	53	46	36	25	17	66	56	51	41	30	20	68	59	53	44	33	24	70	62	57	48	38	30	73	65	59	50	39	30
	300	66	55	48	38	26	17	68	59	52	43	31	21	70	61	55	46	34	24	73	65	59	50	39	30	75	68	62	53	40	31
	375	69	58	50	41	27	17	71	62	55	45	32	22	73	64	57	48	35	25	75	68	62	53	40	31	78	73	66	58	47	36
6	150	55	43	38	28	19	17	58	48	43	33	25	17	60	50	46	36	28	19	63	55	51	41	35	27	70	62	57	48	38	30
	225	59	49	42	32	21	17	62	53	47	37	27	17	64	56	50	40	31	22	67	60	55	45	37	30	73	65	60	51	41	32
	300	62	52	46	35	22	17	65	57	51	40	29	19	67	59	53	43	32	24	70	64	58	48	39	31	73	67	62	53	40	31
	400	65	56	49	37	24	17	68	60	54	43	30	21	70	63	57	46	34	25	73	67	62	53	40	31	76	71	66	57	44	35
	550	68	60	52	40	26	17	71	64	57	46	32	23	73	67	60	49	36	27	76	71	65	54	42	35	79	74	69	60	47	36
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	72	64	59	49	39	38
	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	75	68	64	54	43	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	77	70	66	55	44	40
	625	66	59	49	42	27	21	70	63	56	47	34	28	71	66	59	50	37	33	75	70	66	55	44	40	78	73	69	58	46	41
	800	69	62	52	45	29	22	72	66	59	50	36	29	74	69	63	53	39	33	78	73	69	58	46	41	80	75	71	60	47	42
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	75	68	64	54	43	38
	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	77	72	67	58	48	44
	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	78	73	69	58	46	41
	900	67	59	49	43	31	24	70	64	56	48	37	31	72	66	59	51	41	35	76	71	66	56	47	42	80	75	71	60	47	42
	1050	68	61	51	44	32	25	72	65	57	50	38	32	74	68	61	53	42	37	77	72	67	58	48	44	81	76	72	61	47	42
9	450	60	51	46	38	29	25	64	57	52	43	36	32	66	60	56	46	39	37	70	66	63	51	46	44	75	70	67	57	46	47
	700	63	54	48	42	31	27	67	59	55	47	38	34	69	63	59	50	42	39	73	69	65	55	48	46	78	73	69	58	47	47
	900	65	55	50	44	33	28	69	61	56	49	39	36	71	64	60	52	43	40	75	70	67	57	50	47	80	75	71	60	47	47
	1100	66	57	51	46	34	29	70	62	58	51	40	37	72	66	62	54	44	41	76	72	68	59	51	48	81	76	72	61	47	47
	1400	68	58	53	48	35	31	72	64	59	53	42	38	74	67	63	56	45	42	78	73	70	61	52	50	83	78	74	63	47	47
10	550	59	49	46	38	30	30	63	55	52	44	37	33	66	59	56	47	40	34	70	65	62	52	47	37	75	70	67	57	46	47
	950	64	53	49	43	34	33	68	59	56	48	40	36	70	63	59	51	43	38	74	69	66	56	50	40	79	74	70	60	47	47
	1100	65	54	50	44	34	34	69	60	57	49	41	37	72	64	60	52	44	39	76	70	67	57	51	41	80	75	71	60	47	47
	1500	68	57	52	46	36	36	72	63	58	52	42	39	74	66	62	55	46	40	78	72	69	60	52	43	82	77	73	62	47	47
	1800	69	58	53	48	37	37	73	64	60	53	43	40	76	67	63	56	47	41	80	73	70	61	53	44	83	78	74	63	47	47
12	900	59	53	49	42	35	31	63	59	55	48	41	38	66	62	59	51	45	42	70	67	66	56	51	49	76	71	68	57	46	47
	1200	62	55	51	44	37	33	66	61	57	50	43	40	69	64	61	53	47	44	73	70	68	59	53	51	78	73	70	61	54	53
	1600	65	58	53	46	39	35	69	63	59	52	45	42	72	66	63	55	48	46	76	72	70	61	54	53	80	75	72	61	54	53
	1800	66	59	53	47	40	36	70	64	60	53	46	43	73	67	64	56	49	47	77	73	70	62	55	53	81	76	73	64	57	56
	2500	69	61	56	49	42	38	74	67	62	55	48	45	76	70	66	58	51	49	81	76	73	64	57	56	83	78	74	63	47	47
14	1000	63	54	47	42	37	33	68	60	53	48	43	40	71	64	56	51	47	44	77	71	62	57	52	50	80	75	72	61	54	53
	1500	65	55	50	45	40	36	70	62	56	50	46	42	73	66	60	54	49	46	79	73	66	59	55	52	82	77	74	63	47	47
	2100	66	57	53	47	42	37	72	64	59	52	48	44	75	68	62	56	51	48	81	75	68	61	57	54	84	79	76	65	47	47
	2500	67	58	54	48	43	38	73	64	60	53	49	45	76	68	64	57	52	49	82	75	70	62	58	55	85	80	77	66	47	47
	3500	69	59	57	50	45	40	75	66	63	55	51	47	78	70	67	59	54	51	83	77	73	64	60	57	86	81	78	67	47	47
16	1500	61	53	49	45	41	34	66	60	55	51	47	42	70	64	58	54	51	46	75	71	63	60	57	53	80	75	72	61	54	53
	2000	63	55	52	47	43	36	69	62	57	53	49	44	72	66	61	56	52	48	78	73	66	61	59	55	82	77	74	63	47	47
	2500	65	57	54	48	44	38	70	63	60	54	50	45	74	67	63	57	54	50	79	74	68	63	60	57	83	78	75	64	47	47
	2800	65	57	55	49	45	39	71	64	61	55	51	46	75	68	64	58	54	50	80	75	69	63	61	58	84	79	76	65	47	47
	3500	67	59	57	50	46	40	73	66	63	56	52	48	76	70	66	59	56	52	82	76	71	65	62	59	85	80	77	66	47	47
4500	69	60	60	52	47	42	75	67	65	58	54	49	78	71	68	61	57	54	84	78	74	66	63	61	87	82	79	68	47	47	
24x16	3000	67	62	57	51	47	42	71	66	62	58	53	48	73	69	66	62	57	52	77	73	71	68	63	59	81	76	73	62	47	47
	4000	70	65	59	52	48	43	74	70	65	59	54	50	76	72	68	63	58	54	80	77	73	70	64	61	84	79	76	65	47	47
	5300	74	68	61	54	50	45	77	73	67	60	56	52	80	75	70	64	60	56	8											

PERFORMANCE DATA



SDV – Radiated Sound Power Levels

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 ⁻¹² Watts																																																																																									
		0.5 in.w.g.							1.0 in.w.g.							1.5 in.w.g.							3.0 in.w.g.																																																																				
		Octave Band							Octave Band							Octave Band							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	36	26	22	20	20	46	37	29	25	23	23	46	37	31	27	24	25	47	38	34	30	27	28	54	48	35	30	27	25	55	49	39	33	30	28	56	49	41	35	31	30	57	50	44	38	34	34	58	53	40	34	30	27	59	53	43	37	32	30	60	54	45	39	34	32	61	55	48	41	37	36	62	56	49	42	37	35	63	57	50	43	39	37	64	58	51	44	40	38
	150	45	37	29	22	19	18	47	39	33	25	22	20	49	40	35	27	24	22	51	42	38	30	26	24	52	43	39	32	28	26	53	44	39	33	31	31	54	45	41	35	32	32	55	46	42	36	33	33																																										
	200	55	48	38	31	27	24	58	50	42	34	30	26	59	51	44	36	32	28	61	53	48	41	37	34	62	55	49	42	38	35	63	57	50	43	39	37	64	58	51	44	40	38	65	60	53	46	41	40																																										
	275	61	54	44	36	32	28	63	56	47	40	35	30	65	57	49	41	36	31	67	59	53	46	42	39	68	61	54	47	43	40	69	62	55	48	44	41	70	63	56	49	45	42	71	64	57	50	46	44																																										
5	125	45	37	29	22	19	18	47	39	33	25	22	20	49	40	35	27	24	22	51	42	38	30	26	24	52	43	39	32	28	26	53	44	39	33	31	31	54	45	41	35	32	32	55	46	42	36	33	33																																										
	250	55	48	38	31	27	24	58	50	42	34	30	26	59	51	44	36	32	28	61	53	48	41	37	34	62	55	49	42	38	35	63	57	50	43	39	37	64	58	51	44	40	38	65	60	53	46	41	40																																										
	300	58	51	41	33	29	26	60	53	44	37	32	28	61	54	46	38	34	29	62	56	50	43	39	37	63	57	51	44	40	40	64	58	52	45	41	41	65	61	54	47	42	41	66	62	55	48	44	42																																										
	375	61	54	44	36	32	28	63	56	47	40	35	30	65	57	49	41	36	31	67	59	53	46	42	39	68	61	54	47	43	40	69	62	55	48	44	41	70	63	56	49	45	42	71	64	57	50	46	44																																										
6	150	47	39	29	26	23	21	49	42	33	30	28	26	51	44	36	32	31	29	53	47	41	37	35	35	54	47	41	37	34	31	55	49	41	37	34	31	56	50	44	38	36	36	57	51	45	40	38	36																																										
	225	51	45	34	30	26	23	54	47	39	34	31	28	55	49	41	37	34	31	58	52	46	41	38	36	59	53	45	40	36	32	60	54	46	40	36	32	61	56	50	44	40	37	62	57	51	45	41	38																																										
	300	55	48	38	33	29	24	57	51	42	37	33	29	59	53	45	40	36	32	61	56	50	44	40	37	62	57	49	43	38	33	63	58	52	46	41	41	64	59	53	47	42	42	65	60	54	47	42	38																																										
	400	58	52	42	36	31	25	61	55	46	40	35	30	62	57	49	43	38	33	65	60	54	47	42	38	66	61	55	48	43	38	67	62	56	50	45	42	68	63	57	51	46	43	69	64	58	52	47	44																																										
550	62	56	46	40	33	26	64	59	50	44	37	31	66	61	53	46	40	34	68	64	58	51	45	40	40	70	65	57	51	45	40	71	66	60	54	48	43	72	67	61	55	50	45	73	68	62	56	51	46																																										
7	250	48	38	32	24	20	18	51	42	36	27	24	21	52	44	38	29	25	24	55	48	43	33	29	27	56	48	42	33	28	26	58	52	46	36	31	30	59	53	47	41	35	33	60	54	48	42	36	33																																										
	350	52	42	35	27	23	20	54	46	40	31	26	24	56	49	43	34	31	29	60	54	49	42	38	36	61	55	49	43	38	34	62	57	51	45	41	41	63	58	52	46	41	41	64	59	53	47	42	40																																										
	550	57	47	41	32	27	23	59	51	45	36	30	27	61	54	47	38	32	29	65	59	52	46	42	39	66	61	55	49	43	39	67	62	56	50	45	42	68	63	57	51	46	43	69	64	58	52	47	44																																										
	625	58	49	42	34	28	24	60	53	46	37	31	28	62	55	49	39	33	30	64	59	53	47	42	39	65	60	54	48	43	40	66	61	55	49	44	42	67	62	56	50	46	43	68	63	57	51	47	44																																										
800	61	52	45	36	30	26	63	56	49	40	33	29	65	59	52	46	42	35	32	67	63	56	45	38	35	70	65	59	53	47	42	71	66	60	54	48	43	72	67	61	55	50	46	73	68	62	56	51	47																																										
8	400	49	42	32	28	24	20	52	46	37	31	27	23	54	48	40	33	29	25	56	53	44	36	32	29	57	51	42	36	30	26	59	56	46	39	34	30	60	54	48	42	36	33	61	58	52	46	41	38																																										
	500	52	44	35	31	26	21	55	49	39	34	29	24	57	51	42	36	30	26	61	55	46	39	33	28	62	57	49	43	38	34	63	59	53	47	42	40	64	61	55	49	44	41	65	62	56	50	47	44																																										
	700	57	49	39	34	28	23	59	53	43	38	31	26	61	55	46	39	33	28	64	59	49	42	35	30	65	60	54	48	43	40	66	61	55	49	44	42	67	62	56	50	47	44	68	63	57	51	47	44																																										
	900	60	52	41	37	30	24	63	56	46	40	33	28	64	59	49	42	35	30	66	60	50	44	36	30	69	65	55	47	40	40	70	65	59	53	47	42	71	66	60	54	48	43	72	67	61	55	50	47																																										
1050	62	54	43	39	32	25	65	58	48	42	35	28	66	60	50	44	36	30	69	65	55	47	40	40	70	65	59	53	47	42	71	66	60	54	48	43	72	67	61	55	50	47	73	68	62	56	51	48																																											
9	450	48	41	35	28	25	23	52	46	39	31	28	28	54	49	42	33	30	30	58	54	46	36	34	35	59	53	45	40	36	32	60	57	51	45	41	41	61	56	50	44	41	41	62	58	52	46	42	40																																										
	700	52	44	39	33	29	24	56	49	44	36	32	29	58	52	46	38	34	32	62	57	51	45	41	38	63	59	53	47	42	40	64	60	54	48	43	41	65	61	55	49	44	42	66	62	56	50	47	44																																										
	900	55	46	42	35	31	25	58	51	46	39	34	30	60	54	49	41	36	32	64	59	53	47	42	39	65	60	54	48	43	40	66	61	55	49	44	42	67	62	56	50	47	44	68	63	57	51	47	44																																										
	1100	56	48	44	38	33	26	60	53	48	41	36	30	62	56	51	43	38	33	66	61	56	50	44	41	37	67	62	56	50	45	42	68	63	57	51	47	44	69	64	58	52	48	45	70	65	59	53	48	45																																									
1400	58	50	46	40	35	26	62	55	51	44	38	31	64	58	54	46	40	33	68	63	58	52	47	44	41	70	65	59	53	48	45	71	66	60	54	48	43	72	67	61	55	50	47	73	68	62	56	51	48																																										
10	550	49	41	34	26	21	22	52	46	38	30	24	25	54	49	41	32	25	27	57	54	45	38	33	30	58	54	46	38	31	30	60	57	51	45	41	41	61	56	50	44	41	41	62	58	52	46	42	40																																										
	950	54	46	39	32	26	24	58	51	43	36	29	28	59	54	46	38	31	30	63	59	50	44	38	34	64	60	54	48	43	40	65	62	56	50	47	44	66	63	57	51	47	44	67	64	58	52	48	45																																										
	1100	56	48	41	33	28	25	59	52	45	37	30	29	61	55	47	39	32	31	64	60	54	48	43	40	65	62	56	50	45	42	66	63	57	51	47	44	67	64	58	52	48	45	68	65	59	53	49	46																																										
	1500	59	51	43	37	30	27	62	55	48	40	33	30	64	58	50	43	35	33	67	63	54	46	38	36	68	65	59	53	48	45	69	66	60	54	48	43	70	67	61	55	50	47	71	68	62	56	51	48																																										
1800	61	52	45	39	32	28	64	57	49	42	35	31	66	60	52	45	37																																																																										

SDV

Single Duct Terminal Unit

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.

SDV

Single Duct Terminal Unit

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.

SDV

Single Duct Terminal Unit

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.

SDV

Single Duct Terminal Unit

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
1 Row Multi Circuit	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
2 Row Multi Circuit	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
1 Row Multi Circuit	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
2 Row Multi Circuit	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. Tables are based on a temperature difference of 125 °F (180 °F entering water temperature and 55 °F entering air temperature).
3. 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.
4. Do not select coils for a leaving air temperature above 120 °F.
5. HD (Head) loss is in feet of water.
6. Ps, is the pressure drop in in. of water across the coil.
7. Air temperature rise = ATR, ATR (°F) = 927 x MBH/cfm.
8. Water temperature drop = WTD, WTD (°F) = 2.04 x MBH/gpm.
9. Values in tables are listed for 0 ft of altitude and no glycol in the system.
10. For information outside the ranges used in the table, consult the current Price software or your Price representative for accurate coil information.
11. Heating coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410-2001.
12. 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	Stages	1 Phase					3 Phase	
		120	208	240	277	480	208	480
4	1, 2	3.5	3.5	3.5	3.5	3.0	3.5	3.5
5	1, 2	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6	1, 2	5.5	6.0	6.0	6.0	6.0	6.0	6.0
7	1, 2, 3	5.5	7.0	7.0	7.0	7.0	7.0	7.0
8	1, 2, 3	5.5	10.0	11.0	11.0	11.0	11.0	11.0
9	1, 2, 3	5.5	10.0	11.5	13.0	15.0	13.0	13.0
10	1, 2, 3	5.5	10.0	11.5	13.0	19.0	17.0	17.0
12	1, 2, 3	5.5	10.0	11.5	13.0	23.0	17.0	30.0
14	1, 2, 3	5.5	10.0	11.5	13.0	23.0	17.0	39.0
16	1, 2, 3	5.5	10.0	11.5	13.0	23.0	17.0	39.0
24x16	1, 2, 3	5.5	10.0	11.5	13.0	23.0	17.0	39.0

SDV Electric Coil Max kW - SCR Control

Size	Stages	1 Phase					3 Phase	
		120	208	240	277	480	208	480
4	SCR	3.0	3.0	3.0	3.0	3.0	3.0	3.0
5	SCR	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6	SCR	5.1	5.0	6.0	6.0	6.0	6.0	6.0
7	SCR	5.1	6.0	9.0	9.0	9.0	9.0	9.0
8	SCR	5.1	9.3	10.8	11.0	11.0	11.0	11.0
9	SCR	5.1	9.3	10.8	12.4	14.0	15.0	15.0
10	SCR	5.1	9.3	10.8	12.4	19.0	16.0	19.0
12	SCR	5.1	9.3	10.8	12.4	21.6	16.0	30.0
14	SCR	5.1	9.3	10.8	12.4	21.6	16.0	37.3
16	SCR	5.1	9.3	10.8	12.4	21.6	16.0	37.3
24x16	SCR	5.1	9.3	10.8	12.4	21.6	16.0	37.3

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 = 1 kW
 SCR control, three phase = 1.5 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 is the lesser of
 - coil selection chart
 - minimum air flow requirements of 70 cfm/kW.