

Grille Size / Designation	Rough Opening (inches)	Pt	0.036	0.055	0.080	0.105	0.143	0.180	0.220	0.335	0.420
SV6-A1	6.4 x 5.4	CFM	29	36	43	50	58	65	72	90	101
		NC	<15	<15	<15	<15	<15	<15	20	23	28
SV6-B2	8.4 x 7.4	CFM	61	76	91	107	122	137	152	190	213
		NC	<15	<15	<15	<15	<15	21	27	30	35
SV6-C3	10.4 x 9.4	CFM	104	130	156	182	208	234	260	325	364
		NC	<15	<15	<15	17	20	25	31	37	40
SV6-D4	12.4 x 11.4	CFM	160	200	240	280	320	360	400	500	560
		NC	<15	16	17	18	22	28	34	42	45
SV6-E5	14.4 x 13.4	CFM	229	286	343	400	458	515	572	715	801
		NC	<18	19	20	21	23	29	35	43	46
SV6-F6	16.4 x 15.4	CFM	306	382	458	535	611	688	764	955	1070
		NC	<20	21	22	23	25	31	37	45	48
SV6-G7	18.4 x 17.4	CFM	397	496	595	694	794	893	992	1240	1389
		NC	<21	22	23	24	26	32	38	46	49
SV6-H8	20.4 x 19.4	CFM	499	624	749	874	998	1123	1248	1560	1747
		NC	<23	24	25	26	28	33	39	47	49
SV6-J9	22.4 x 21.4	CFM	613	766	919	1072	1226	1379	1532	1915	2144
		NC	<24	25	27	28	28	33	39	48	50

**Throw Characteristics Note:** When utilized as a supply air grille, no air velocity exceeding 50fpm shall extend beyond a plane of one foot from the grille and parallel to its face.

**Please Note:** Additional sizes available with complete performance data upon request.

**TEST STANDARD**

- ANSI / ASHRAE Standard 70
- Isothermal air used during testing.

**SOUND LEVELS**

- NC shown is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10<sup>-12</sup> watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands.
- When an opposed blade damper is used, add nc adjustment as shown on page E-5

**PRESSURE**

- P<sub>t</sub> represents Total Pressure, inches of water, measured in the supply duct.
- Static pressure may be calculated by subtracting the Velocity pressure from the Total Pressure: P<sub>s</sub> = P<sub>t</sub> - P<sub>v</sub>

**RETURN USE**

- Adjust the above supply data by adding +1 NC and use P<sub>t</sub> as listed.

## SIZING CHART

\*GRILLE OPENING / DESIGNATION  
ROUGH OPENING SIZES (WIDTH X HEIGHT)

Dimensions in Inches		WIDTH									
		6.4	8.4	10.4	12.4	14.4	16.4	18.4	20.4	22.4	
HEIGHT	5.4	A1	B1	C1	D1	E1	F1	G1	H1	J1	
	7.4	A2	B2	C2	D2	E2	F2	G2	H2	J2	
	9.4	A3	B3	C3	D3	E3	F3	G3	H3	J3	
	11.4	A4	B4	C4	D4	E4	F4	G4	H4	J4	
	13.4	A5	B5	C5	D5	E5	F5	G5	H5	J5	
	15.4	A6	B6	C6	D6	E6	F6	G6	H6	J6	
	17.4	A7	B7	C7	D7	E7	F7	G7	H7	J7	
	19.4	A8	B8	C8	D8	E8	F8	G8	H8	J8	
	21.4	A9	B9	C9	D9	E9	F9	G9	H9	J9	

\*Width x Height dimensions are based on rear mounted duct collar. For other installation types (consult factory).

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# AIR FLOW PERFORMANCE DATA SV6

Grille Designation & Type	Rough Opening (inches)	Performance Data									
		(Pt)	.036	.055	.080	.105	.143	.180	.220	.335	.420
<b>SV6-A1</b>	<b>6.3 x 5.4</b>	<b>CFM</b>	<b>29</b>	<b>36</b>	<b>43</b>	<b>50</b>	<b>58</b>	<b>65</b>	<b>72</b>	<b>90</b>	<b>101</b>
		<b>NC</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>20</b>	<b>23</b>
SV6-B1	8.3 x 5.4	CFM	42	52	62	73	83	94	104	130	146
SV6-A2	6.3 x 7.4	NC	<15	<15	<15	<15	<15	17	23	26	31
SV6-C1	10.3 x 5.4	CFM	54	68	82	95	109	126	136	170	191
SV6-A3	6.3 x 9.4	NC	<15	<15	<15	<15	<15	19	25	29	33
<b>SV6-B2</b>	<b>8.3 x 7.4</b>	<b>CFM</b>	<b>61</b>	<b>76</b>	<b>91</b>	<b>107</b>	<b>122</b>	<b>137</b>	<b>152</b>	<b>190</b>	<b>213</b>
		<b>NC</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>15</b>	<b>21</b>	<b>27</b>	<b>30</b>	<b>35</b>
SV6-D1	12.3 x 5.4	CFM	69	86	103	121	138	155	172	215	241
SV6-A4	6.3 x 11.4	NC	<15	<15	<15	<15	17	23	29	33	38
SV6-C2	10.3 x 7.4	CFM	80	100	120	140	160	180	200	250	280
SV6-B3	8.3 x 9.4	NC	<15	<15	<15	<15	19	25	31	35	40
SV6-E1	14.3 x 5.4	CFM	82	102	122	143	163	184	204	255	286
SV6-A5	6.3 x 13.4	NC	<15	<15	<15	15	19	25	31	37	40
SV6-F1	16.3 x 5.4	CFM	93	116	139	162	186	209	232	290	325
		NC	<15	<15	<15	15	19	25	31	37	40
SV6-A6	6.3 x 15.4	CFM	94	118	142	165	189	212	236	295	331
		NC	<15	<15	<15	16	20	25	31	37	40
SV6-D2	12.3 x 7.4	CFM	99	124	149	174	198	223	248	310	347
SV6-B4	8.3 x 11.4	NC	<15	<15	<15	16	20	25	31	37	40
<b>SV6-C3</b>	<b>10.3 x 9.4</b>	<b>CFM</b>	<b>104</b>	<b>130</b>	<b>156</b>	<b>182</b>	<b>208</b>	<b>234</b>	<b>260</b>	<b>325</b>	<b>364</b>
		<b>NC</b>	<b>&lt;15</b>	<b>&lt;15</b>	<b>15</b>	<b>17</b>	<b>20</b>	<b>25</b>	<b>31</b>	<b>37</b>	<b>40</b>
SV6-G1	18.3 x 5.4	CFM	107	134	161	188	214	241	268	335	375
		NC	<15	<15	15	17	20	26	32	38	41
SV6-A7	6.3 x 17.4	CFM	109	136	163	190	218	245	272	340	381
		NC	<15	<15	15	17	20	26	32	38	41
SV6-E2	14.3 x 7.4	CFM	118	148	178	207	237	266	296	370	415
SV6-B5	8.3 x 13.4	NC	<15	15	16	17	21	26	32	38	41
SV6-H1	20.3 x 5.4	CFM	120	150	180	210	240	270	300	375	420
		NC	<15	15	16	17	21	26	32	38	42
SV6-A8	6.3 x 19.4	CFM	122	152	182	213	243	274	304	380	426
		NC	<15	15	16	17	21	26	32	39	42
SV6-D3	12.3 x 9.4	CFM	130	162	194	227	259	292	324	405	454
SV6-C4	10.3 x 11.4	NC	<15	15	16	17	21	26	33	39	42

\* Grille designations in bold type are standard sizes

**Throw Characteristics Note:** When utilized as a supply air grille, no air velocity exceeding 50fpm shall extend beyond a plane of one foot from the grille and parallel to its face.

### NOTES

- CFM . . . . . Cubic feet per minute
- Pt . . . . . Total pressure, inches of water
- NC. . . . . Noise criteria with sound pressure levels based on 10dB room absorption, re: 10-12 watts...indicate NC value < 20
- OBD . . . . . When an opposed blade damper is used, add nc adjustment as shown on page 12
- RETURN USE . . . . Adjust the above supply data by adding +1 NC and use Pt as listed.

**TEST DATA** - in accordance with ANSI / ASHRAE 70-1991 standard, "Method of Testing for Rating of Performance Air Outlets and Inlets".

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# AIR FLOW PERFORMANCE DATA

## SV6

Grille Designation & Type	Rough Opening (inches)	Performance Data									
		(Pt)	.036	.055	.080	.105	.143	.180	.220	.335	.420
SV6-J1	22.3 x 5.4	CFM	133	166	199	232	266	299	332	415	465
		NC	<15	15	16	17	21	27	33	39	42
SV6-A9	6.3 x 21.4	CFM	134	168	202	235	269	302	336	420	471
		NC	<15	15	16	17	21	27	33	40	43
SV6-F2	16.3 x 7.4	CFM	136	170	204	238	272	306	340	425	476
SV6-B6	8.3 x 15.4	NC	15	16	17	18	22	27	33	40	43
SV6-E3	14.3 x 9.4	CFM	154	192	230	269	307	346	384	480	538
SV6-C5	10.3 x 13.4	NC	15	16	17	18	22	27	33	41	44
SV6-G2	18.3 x 7.4	CFM	155	194	233	272	310	349	388	485	543
SV6-B7	8.3 x 17.4	NC	15	16	17	18	22	27	34	41	44
<b>SV6-D4</b>	<b>12.3 x 11.4</b>	<b>CFM</b>	<b>160</b>	<b>200</b>	<b>240</b>	<b>280</b>	<b>320</b>	<b>360</b>	<b>400</b>	<b>500</b>	<b>560</b>
		<b>NC</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>22</b>	<b>28</b>	<b>34</b>	<b>42</b>	<b>45</b>
SV6-H2	20.3 x 7.4	CFM	174	218	262	305	349	392	436	545	611
SV6-B8	8.3 x 19.4	NC	15	16	17	18	22	28	34	42	45
SV6-F3	16.3 x 9.4	CFM	179	224	269	314	358	403	448	560	627
SV6-C6	10.3 x 15.4	NC	16	17	18	19	22	28	34	42	45
SV6-E4	14.3 x 11.4	CFM	190	238	286	333	381	428	476	595	666
SV6-D5	12.3 x 13.4	NC	17	18	19	20	23	28	34	42	45
SV6-J2	22.3 x 7.4	CFM	194	242	290	339	387	436	484	605	678
SV6-B9	8.3 x 21.4	NC	18	19	20	21	23	29	35	43	46
SV6-G3	18.3 x 9.4	CFM	203	254	305	356	406	457	508	635	711
SV6-C7	10.3 x 17.4	NC	18	19	20	21	23	29	35	43	46
SV6-F4	16.3 x 11.4	CFM	221	276	331	386	442	497	552	690	773
SV6-D6	12.3 x 15.4	NC	18	19	20	21	23	29	35	43	46
<b>SV6-E5</b>	<b>14.3 x 13.4</b>	<b>CFM</b>	<b>229</b>	<b>286</b>	<b>343</b>	<b>400</b>	<b>458</b>	<b>515</b>	<b>572</b>	<b>715</b>	<b>801</b>
		<b>NC</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>23</b>	<b>29</b>	<b>35</b>	<b>43</b>	<b>46</b>
SV6-H3	20.3 x 9.4	CFM	229	286	343	400	458	515	572	715	801
SV6-C8	10.3 x 19.4	NC	18	19	20	21	23	30	35	43	46
SV6-J3	22.3 x 9.4	CFM	253	316	379	442	506	569	632	790	885
SV6-D7	12.3 x 17.4	NC	19	20	21	22	24	30	36	44	47
SV6-G4	18.3 x 11.4	CFM	253	316	379	442	506	569	632	790	885
SV6-C9	10.3 x 21.4	NC	19	20	21	22	24	30	36	44	47
SV6-F5	16.3 x 13.4	CFM	264	330	396	462	528	594	660	825	924
SV6-E6	14.3 x 15.4	NC	19	20	21	22	24	30	36	44	47

\* Grille designations in bold type are standard sizes

**Throw Characteristics Note:** When utilized as a supply air grille, no air velocity exceeding 50fpm shall extend beyond a plane of one foot from the grille and parallel to its face.

### NOTES

- CFM . . . . . Cubic feet per minute
- Pt . . . . . Total pressure, inches of water
- NC. . . . . Noise criteria with sound pressure levels based on 10dB room absorption, re: 10-12 watts...indicate NC value < 20
- OBD . . . . . When an opposed blade damper is used, add nc adjustment as shown on page 12
- RETURN USE . . . . Adjust the above supply data by adding +1 NC and use Pt as listed.

**TEST DATA** - in accordance with ANSI / ASHRAE 70-1991 standard, "Method of Testing for Rating of Performance Air Outlets and Inlets".

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# AIR FLOW PERFORMANCE DATA

## SV6

Grille Designation & Type	Rough Opening (inches)	Performance Data									
		(Pt)	.036	.055	.080	.105	.143	.180	.220	.335	.420
SV6-H4	20.3 x 13.4	CFM	283	354	425	496	566	637	708	885	991
SV6-D8	12.3 x 19.4	NC	19	20	21	22	24	30	36	44	47
SV6-G5	18.3 x 13.4	CFM	301	376	451	526	602	677	752	940	1053
SV6-E7	14.3 x 17.4	NC	20	21	22	22	24	30	36	44	47
<b>SV6-F6</b>	<b>16.3 x 15.4</b>	<b>CFM</b>	<b>306</b>	<b>382</b>	<b>458</b>	<b>535</b>	<b>611</b>	<b>688</b>	<b>764</b>	<b>955</b>	<b>1070</b>
		<b>NC</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>25</b>	<b>31</b>	<b>37</b>	<b>45</b>	<b>48</b>
SV6-J4	22.3 x 11.4	CFM	314	392	470	549	627	706	784	980	1098
SV6-D9	12.3 x 21.4	NC	20	21	22	23	25	31	37	45	48
SV6-H5	20.3 x 13.4	CFM	336	420	504	588	672	756	840	1050	1176
SV6-E8	14.3 x 19.4	NC	20	21	22	23	25	31	37	45	48
SV6-G6	18.3 x 15.4	CFM	349	436	523	610	698	785	872	1090	1221
SV6-F7	16.3 x 17.4	NC	20	21	22	23	25	31	37	45	48
SV6-J5	22.3 x 13.4	CFM	373	466	559	652	746	839	932	1165	1305
SV6-E9	14.3 x 21.4	NC	21	22	23	24	26	31	37	46	49
SV6-H6	20.3 x 15.4	CFM	390	488	586	683	781	878	976	1220	1366
SV6-F8	16.3 x 19.4	NC	21	22	23	24	26	32	38	46	49
<b>SV6-G7</b>	<b>18.3 x 17.4</b>	<b>CFM</b>	<b>397</b>	<b>496</b>	<b>595</b>	<b>694</b>	<b>794</b>	<b>893</b>	<b>992</b>	<b>1240</b>	<b>1389</b>
		<b>NC</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>26</b>	<b>32</b>	<b>38</b>	<b>46</b>	<b>49</b>
SV6-J6	22.3 x 15.4	CFM	434	542	650	759	867	976	1084	1355	1518
SV6-F9	16.3 x 21.4	NC	22	23	24	25	27	32	38	47	49
SV6-H7	20.3 x 17.4	CFM	445	556	667	778	890	1001	1112	1390	1557
SV6-G8	18.3 x 19.4	NC	22	23	25	26	27	32	38	47	49
SV6-J7	22.3 x 17.4	CFM	493	616	739	862	986	1109	1232	1540	1725
SV6-G9	18.3 x 21.4	NC	22	23	25	26	27	33	39	47	49
<b>SV6-H8</b>	<b>20.3 x 19.4</b>	<b>CFM</b>	<b>499</b>	<b>624</b>	<b>749</b>	<b>874</b>	<b>998</b>	<b>1123</b>	<b>1248</b>	<b>1560</b>	<b>1747</b>
		<b>NC</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>28</b>	<b>33</b>	<b>39</b>	<b>47</b>	<b>49</b>
SV6-J8	22.3 x 19.4	CFM	554	692	830	969	1107	1246	1384	1730	1938
SV6-H9	20.3 x 21.4	NC	23	24	26	27	28	33	39	48	50
<b>SV6-J9</b>	<b>22.3 x 21.4</b>	<b>CFM</b>	<b>613</b>	<b>766</b>	<b>919</b>	<b>1072</b>	<b>1226</b>	<b>1379</b>	<b>1532</b>	<b>1915</b>	<b>2144</b>
		<b>NC</b>	<b>24</b>	<b>25</b>	<b>27</b>	<b>28</b>	<b>28</b>	<b>33</b>	<b>39</b>	<b>48</b>	<b>50</b>

\* Grille designations in bold type are standard sizes

**Throw Characteristics Note:** When utilized as a supply air grille, no air velocity exceeding 50fpm shall extend beyond a plane of one foot from the grille and parallel to its face.

### NOTES

- CFM . . . . . Cubic feet per minute
- Pt . . . . . Total pressure, inches of water
- NC. . . . . Noise criteria with sound pressure levels based on 10dB room absorption, re: 10-12 watts...indicate NC value < 20
- OBD . . . . . When an opposed blade damper is used, add nc adjustment as shown on page 12
- RETURN USE . . . . Adjust the above supply data by adding +1 NC and use Pt as listed.

**TEST DATA** - in accordance with ANSI / ASHRAE 70-1991 standard, "Method of Testing for Rating of Performance Air Outlets and Inlets".