

## PERFORMANCE DATA

### SRDV – Recommended Air Volume Ranges

#### Pneumatic

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

#### Digital Controls

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

**Notes:**

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

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

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

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

# PERFORMANCE DATA

## SRDV – Typical Selection Guide

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

For Performance Notes, see end of section.

# PERFORMANCE DATA

## SRDV – Typical Selection Guide

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

For Performance Notes, see end of section.

# PERFORMANCE DATA

## SRDV – Typical Selection Guide

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

For Performance Notes, see end of section.

# PERFORMANCE DATA

## SRDV – Typical Selection Guide

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

### Performance Notes:

- 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.
- Tests conducted with damper installed in a 22 gauge galvanized steel duct, lined with 1 in. 4 lb density foil faced fiberglass duct liner.
- NC values are calculated based on typical attenuation values outlined in Appendix E, AHRI Standard 885-2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."

### Typical Attenuation Values:

#### Radiated Sound

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

#### Discharge Sound

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

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

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