



# AIR FLOW PRESSURE DROPS

## APPLIES TO MODELS SERIES XE AND SCE

| ACCESSORY AND EXTERNAL SYSTEM PRESSURE DROP ("W.C.) |       |                            |                                 |     |   |                              |         |  |      |                                       |      |                                     |      |
|---|-------|----------------------------|---------------------------------|-----|---|------------------------------|---------|--|------|---------------------------------------|------|-------------------------------------|------|
| SIZE  | CFM   | Pressure Drop with Dampers | Pressure Drop with Cooling Coil |     | External Pressure Drop (Distribution Duct System) | Total Adjusted Pressure Drop |         | Pressure Drop with Disposable Filters* |      | Pressure Drop with Permanent Filters* |      | Pressure Drop with Pleated Filters* |      |
|   |       |                            | Dry                             | Wet |   | Heating                      | Cooling | 1"                                     | 2"   | 1"                                    | 2"   | 1"                                  | 2"   |
| 75  | 615   | 0.01                       |                                 |     |   |                              |         | 0                                      | 0    | 0.01                                  | 0.01 | 0.02                                | 0.01 |
|   | 1,000 | 0.01                       |                                 |     |   |                              |         | 0                                      | 0.01 | 0.02                                  | 0.03 | 0.05                                | 0.04 |
|   | 1,500 | 0.02                       |                                 |     |   |                              |         | 0.01                                   | 0.02 | 0.04                                  | 0.06 | 0.12                                | 0.08 |
|   | 2,000 | 0.03                       |                                 |     |   |                              |         | 0.01                                   | 0.02 | 0.08                                  | 0.11 | 0.22                                | 0.15 |
|   | 2,500 | 0.05                       |                                 |     |   |                              |         | 0.02                                   | 0.03 | 0.12                                  | 0.17 | 0.34                                | 0.23 |
|   | 3,000 | 0.08                       |                                 |     |   |                              |         | N/A                                    | N/A  | 0.17                                  | 0.24 | 0.49                                | 0.33 |
|   | 3,500 | 0.11                       |                                 |     |   |                              | N/A     | N/A                                    | 0.24 | 0.34                                  | 0.67 | 0.45                                |      |
| 100   | 1,250 | 0.01                       |                                 |     |   |                              |         | 0                                      | 0.01 | 0.02                                  | 0.03 | 0.05                                | 0.03 |
|   | 1,500 | 0.01                       |                                 |     |   |                              |         | 0.01                                   | 0.01 | 0.04                                  | 0.06 | 0.07                                | 0.05 |
|   | 2,000 | 0.02                       |                                 |     |   |                              |         | 0.01                                   | 0.02 | 0.06                                  | 0.08 | 0.13                                | 0.09 |
|   | 2,500 | 0.03                       |                                 |     |   |                              |         | 0.02                                   | 0.03 | 0.10                                  | 0.14 | 0.20                                | 0.14 |
|   | 3,000 | 0.05                       |                                 |     |   |                              |         | 0.03                                   | 0.04 | 0.14                                  | 0.20 | 0.34                                | 0.23 |
|   | 3,500 | 0.06                       |                                 |     |   |                              |         | 0.04                                   | 0.05 | 0.20                                  | 0.28 | 0.40                                | 0.27 |
|   | 4,000 | 0.08                       |                                 |     |   |                              |         | 0.05                                   | 0.07 | 0.26                                  | 0.36 | 0.52                                | 0.36 |
|   | 4,500 | 0.11                       |                                 |     |   |                              |         | N/A                                    | N/A  | 0.32                                  | 0.45 | 0.66                                | 0.45 |
| 150   | 1,650 | 0.01                       |                                 |     |   |                              |         | 0.01                                   | 0.01 | 0.03                                  | 0.04 | 0.06                                | 0.04 |
|   | 2,000 | 0.02                       |                                 |     |   |                              |         | 0.01                                   | 0.01 | 0.05                                  | 0.07 | 0.10                                | 0.07 |
|   | 2,500 | 0.02                       |                                 |     |   |                              |         | 0.01                                   | 0.02 | 0.08                                  | 0.11 | 0.16                                | 0.11 |
|   | 3,000 | 0.03                       |                                 |     |   |                              |         | 0.02                                   | 0.03 | 0.11                                  | 0.16 | 0.23                                | 0.16 |
|   | 3,500 | 0.05                       |                                 |     |   |                              |         | 0.03                                   | 0.04 | 0.15                                  | 0.22 | 0.31                                | 0.21 |
|   | 4,000 | 0.06                       |                                 |     |   |                              |         | 0.04                                   | 0.05 | 0.20                                  | 0.28 | 0.40                                | 0.27 |
|   | 4,500 | 0.08                       |                                 |     |   |                              |         | 0.05                                   | 0.06 | 0.26                                  | 0.36 | 0.51                                | 0.35 |
|   | 5,000 | 0.10                       |                                 |     |   |                              |         | N/A                                    | N/A  | 0.32                                  | 0.44 | 0.63                                | 0.43 |
|   | 5,400 | 0.11                       |                                 |     |   |                              |         | N/A                                    | N/A  | 0.37                                  | 0.52 | 0.74                                | 0.50 |
| 200   | 2,050 | 0.01                       |                                 |     |   |                              |         | 0.01                                   | 0.02 | 0.03                                  | 0.05 | 0.07                                | 0.05 |
|   | 2,500 | 0.01                       |                                 |     |   |                              |         | 0.02                                   | 0.03 | 0.06                                  | 0.08 | 0.11                                | 0.08 |
|   | 3,000 | 0.02                       |                                 |     |   |                              |         | 0.03                                   | 0.04 | 0.08                                  | 0.12 | 0.16                                | 0.11 |
|   | 3,500 | 0.03                       |                                 |     |   |                              |         | 0.04                                   | 0.05 | 0.11                                  | 0.16 | 0.22                                | 0.15 |
|   | 4,000 | 0.04                       |                                 |     |   |                              |         | 0.05                                   | 0.07 | 0.15                                  | 0.21 | 0.29                                | 0.20 |
|   | 4,500 | 0.05                       |                                 |     |   |                              |         | 0.06                                   | 0.09 | 0.19                                  | 0.26 | 0.37                                | 0.25 |
|   | 5,000 | 0.06                       |                                 |     |   |                              |         | 0.08                                   | 0.11 | 0.23                                  | 0.32 | 0.45                                | 0.31 |
|   | 5,500 | 0.07                       |                                 |     |   |                              |         | N/A                                    | N/A  | 0.28                                  | 0.39 | 0.55                                | 0.37 |
| 6,000   | 0.09  |                            |                                 |     |   |                              | N/A     | N/A                                    | 0.33 | 0.46                                  | 0.65 | 0.44                                |      |
| 6,500   | 0.10  |                            |                                 |     |   |                              | N/A     | N/A                                    | 0.39 | 0.54                                  | 0.77 | 0.52                                |      |
| 250   | 2,900 | 0.01                       |                                 |     |   |                              |         | 0.02                                   | 0.03 | 0.06                                  | 0.08 | 0.12                                | 0.08 |
|   | 3,500 | 0.02                       |                                 |     |   |                              |         | 0.03                                   | 0.04 | 0.09                                  | 0.13 | 0.19                                | 0.13 |
|   | 4,000 | 0.02                       |                                 |     |   |                              |         | 0.04                                   | 0.06 | 0.12                                  | 0.17 | 0.25                                | 0.17 |
|   | 4,500 | 0.03                       |                                 |     |   |                              |         | 0.06                                   | 0.07 | 0.15                                  | 0.21 | 0.32                                | 0.22 |
|   | 5,000 | 0.04                       |                                 |     |   |                              |         | 0.07                                   | 0.09 | 0.19                                  | 0.26 | 0.40                                | 0.27 |
|   | 5,500 | 0.05                       |                                 |     |   |                              |         | 0.08                                   | 0.10 | 0.23                                  | 0.32 | 0.48                                | 0.33 |
|   | 6,000 | 0.06                       |                                 |     |   |                              |         | 0.08                                   | 0.12 | 0.27                                  | 0.38 | 0.57                                | 0.39 |
|   | 6,500 | 0.06                       |                                 |     |   |                              |         | N/A                                    | N/A  | 0.32                                  | 0.44 | 0.67                                | 0.46 |
|   | 7,000 | 0.08                       |                                 |     |   |                              |         | N/A                                    | N/A  | 0.37                                  | 0.51 | 0.78                                | 0.53 |
| 300   | 3,300 | 0.01                       |                                 |     |   |                              |         | 0.04                                   | 0.04 | 0.06                                  | 0.08 | 0.12                                | 0.08 |
|   | 3,500 | 0.01                       |                                 |     |   |                              |         | 0.05                                   | 0.06 | 0.08                                  | 0.11 | 0.16                                | 0.11 |
|   | 4,000 | 0.02                       |                                 |     |   |                              |         | 0.06                                   | 0.07 | 0.10                                  | 0.14 | 0.21                                | 0.14 |
|   | 4,500 | 0.02                       |                                 |     |   |                              |         | 0.08                                   | 0.09 | 0.13                                  | 0.18 | 0.26                                | 0.18 |
|   | 5,000 | 0.03                       |                                 |     |   |                              |         | 0.10                                   | 0.12 | 0.16                                  | 0.22 | 0.32                                | 0.22 |
|   | 5,500 | 0.03                       |                                 |     |   |                              |         | 0.12                                   | 0.14 | 0.19                                  | 0.27 | 0.39                                | 0.27 |
|   | 6,000 | 0.04                       |                                 |     |   |                              |         | 0.14                                   | 0.17 | 0.23                                  | 0.32 | 0.46                                | 0.32 |
|   | 6,500 | 0.05                       |                                 |     |   |                              |         | 0.17                                   | 0.20 | 0.27                                  | 0.38 | 0.54                                | 0.37 |
|   | 7,000 | 0.05                       |                                 |     |   |                              |         | 0.20                                   | 0.23 | 0.31                                  | 0.44 | 0.63                                | 0.43 |
|   | 7,400 | 0.06                       |                                 |     |   |                              |         | N/A                                    | N/A  | 0.35                                  | 0.49 | 0.71                                | 0.48 |

\*FILTER NOTES: Pressure drops are for clean filters. Standard Model XE and SCE furnaces do not include filters.