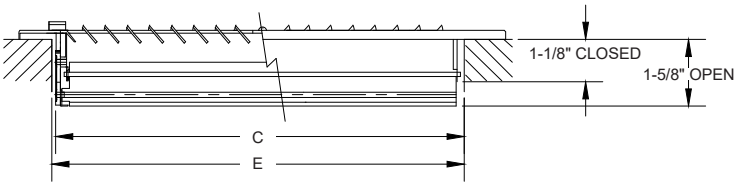
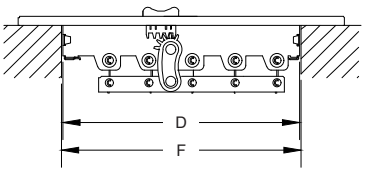
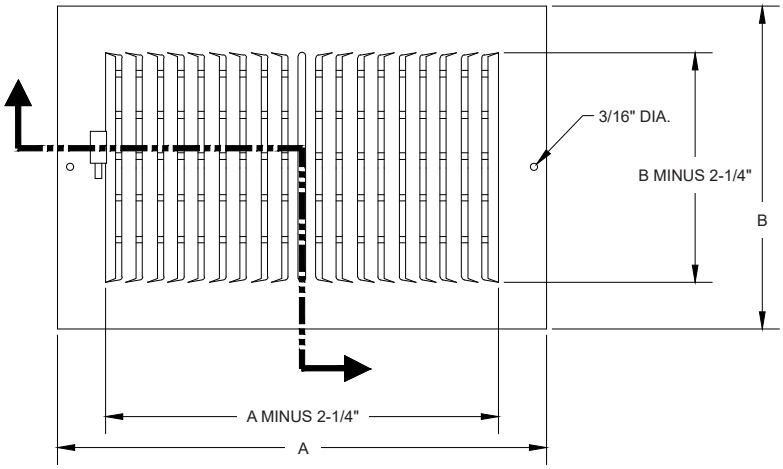
# MFSCR SERIES
# 2-WAY SIDEWALL CEILING REGISTER
# SPECIFICATION CHART




- **Heavy Gauge Steel Construction**
- **Integral Multi-Shutter Damper**
- **2-Way Deflection**
- **Finish: White**

| Size (E x F) | Dimensions (See Detail Sketches) | | | | Size (E x F) | Dimensions (See Detail Sketches) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | | A | B | C | D |
| 6 x 4 | 7-3/4 | 5-3/4 | 5-7/8 | 3-5/8 | 12 x 6 | 13-3/4 | 7-3/4 | 11-7/8 | 5-5/8 |
| 6 x 6 | 7-3/4 | 7-3/4 | 5-7/8 | 5-5/8 | 12 x 8 | 13-3/4 | 9-3/4 | 11-7/8 | 7-5/8 |
| 8 x 4 | 9-3/4 | 5-3/4 | 7-7/8 | 3-5/8 | 14 x 4 | 15-3/4 | 5-3/4 | 13-7/8 | 3-5/8 |
| 8 x 6 | 9-3/4 | 7-3/4 | 7-7/8 | 5-5/8 | 14 x 6 | 15-3/4 | 7-3/4 | 13-7/8 | 5-5/8 |
| 8 x 8 | 9-3/4 | 9-3/4 | 7-7/8 | 7-5/8 | 14 x 8 | 15-3/4 | 9-3/4 | 13-7/8 | 7-5/8 |
| 10 x 4 | 11-3/4 | 5-3/4 | 9-7/8 | 3-5/8 | 16 x 6 | 17-3/4 | 7-3/4 | 15-7/8 | 5-5/8 |
| 10 x 6 | 11-3/4 | 7-3/4 | 9-7/8 | 5-5/8 | 18 x 6 | 19-3/4 | 7-3/4 | 17-7/8 | 5-5/8 |
| 10 x 8 | 11-3/4 | 9-3/4 | 9-7/8 | 7-5/8 | 20 x 6 | 21-3/4 | 7-3/4 | 19-7/8 | 5-5/8 |
| 10 x 10 | 11-3/4 | 11-3/4 | 9-7/8 | 9-5/8 | 24 x 6 | 25-3/4 | 7-3/4 | 23-7/8 | 5-5/8 |
| 12 x 4 | 13-3/4 | 5-3/4 | 11-7/8 | 3-5/8 | | | | | |

| Face Velocity | | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---|---|---|---|---|---|---|---|---|---|
| Pressure Loss (In $H_2O$) | | 0.008 | 0.012 | 0.016 | 0.024 | 0.032 | 0.044 | 0.052 | 0.064 |
| **6 x 4**<br>Ak = 0.07 | cfm<br>throw | 20<br>1.6 | 30<br>2.6 | 35<br>4.3 | 40<br>4.9 | 50<br>5.6 | 55<br>6.2 | 65<br>6.6 | 70<br>7.2 |
| **6 x 6**<br>Ak = 0.11 | cfm<br>throw | 30<br>3.0 | 40<br>3.5 | 50<br>4.5 | 60<br>6.0 | 75<br>7.0 | 85<br>8.0 | 95<br>9.0 | 105<br>10.0 |
| **8 x 4**<br>Ak = 0.10 | cfm<br>throw | 30<br>2.0 | 40<br>3.5 | 45<br>4.5 | 55<br>5.5 | 65<br>6.5 | 75<br>7.0 | 85<br>8.0 | 95<br>9.0 |
| **8 x 6**<br>Ak = 0.14 | cfm<br>throw | 40<br>3.0 | 55<br>3.9 | 70<br>5.9 | 85<br>7.2 | 100<br>8.5 | 115<br>9.5 | 125<br>10.5 | 140<br>11.5 |
| **8 x 8**<br>Ak = 0.19 | cfm<br>throw | 60<br>5.0 | 80<br>6.0 | 100<br>8.0 | 120<br>9.0 | 140<br>10.0 | 160<br>12.0 | 180<br>13.0 | 200<br>15.0 |
| **10 x 4**<br>Ak = 0.12 | cfm<br>throw | 35<br>3.0 | 45<br>4.0 | 60<br>5.0 | 70<br>6.0 | 80<br>7.0 | 95<br>8.0 | 105<br>9.0 | 120<br>10.0 |
| **10 x 6**<br>Ak = 0.18 | cfm<br>throw | 55<br>4.0 | 70<br>5.0 | 90<br>6.5 | 105<br>8.0 | 125<br>9.0 | 140<br>10.5 | 160<br>12.0 | 175<br>13.0 |
| **10 x 8**<br>Ak = 0.27 | cfm<br>throw | 70<br>5.0 | 95<br>6.0 | 120<br>8.0 | 145<br>10.0 | 170<br>12.0 | 190<br>14.0 | 215<br>17.0 | 240<br>19.0 |
| **10 x 10**<br>Ak = 0.30 | cfm<br>throw | 90<br>5.0 | 120<br>6.0 | 150<br>8.0 | 180<br>10.0 | 215<br>12.0 | 245<br>14.0 | 275<br>17.0 | 305<br>19.0 |
| **12 x 4**<br>Ak = 0.14 | cfm<br>throw | 40<br>3.5 | 55<br>4.5 | 70<br>5.5 | 85<br>6.5 | 100<br>8.0 | 115<br>9.0 | 125<br>10.0 | 140<br>11.5 |
| **12 x 6**<br>Ak = 0.22 | cfm<br>throw | 70<br>4.5 | 90<br>6.0 | 115<br>7.5 | 135<br>8.5 | 160<br>10.5 | 180<br>12.0 | 205<br>13.0 | 225<br>14.5 |
| **12 x 8**<br>Ak = 0.32 | cfm<br>throw | 95<br>5.5 | 130<br>7.0 | 160<br>9.0 | 190<br>10.5 | 220<br>12.5 | 260<br>14.0 | 290<br>16.0 | 320<br>18.0 |
| **14 x 4**<br>Ak = 0.17 | cfm<br>throw | 50<br>3.9 | 65<br>4.9 | 80<br>6.2 | 100<br>7.5 | 115<br>8.5 | 130<br>9.5 | 150<br>10.5 | 165<br>12.0 |
| **14 x 6**<br>Ak = 0.25 | cfm<br>throw | 75<br>5.0 | 100<br>6.5 | 125<br>8.5 | 150<br>10.0 | 175<br>11.5 | 200<br>13.5 | 220<br>15.0 | 245<br>17.0 |
| **14 x 8**<br>Ak = 0.33 | cfm<br>throw | 100<br>6.0 | 130<br>8.0 | 165<br>10.0 | 200<br>12.0 | 230<br>14.0 | 265<br>16.0 | 295<br>18.0 | 300<br>20.0 |
| **16 x 6**<br>Ak = 0.34 | cfm<br>throw | 100<br>7.0 | 135<br>9.0 | 170<br>11.0 | 205<br>13.0 | 240<br>15.0 | 270<br>16.0 | 305<br>18.0 | 340<br>20.0 |
| **18 x 6**<br>Ak = .31 | cfm<br>throw | 90<br>7.0 | 120<br>9.0 | 155<br>11.0 | 185<br>13.0 | 215<br>15.0 | 245<br>17.0 | 275<br>19.0 | 305<br>21.0 |
| **20 x 6**<br>Ak = .34 | cfm<br>throw | 100<br>7.0 | 135<br>8.0 | 170<br>10.0 | 200<br>12.0 | 235<br>13.0 | 270<br>15.0 | 305<br>17.0 | 335<br>19.0 |
| **24 x 6**<br>Ak = .50 | cfm<br>throw | 150<br>9.0 | 200<br>12.0 | 250<br>15.0 | 300<br>18.0 | 350<br>21.0 | 400<br>24.0 | 455<br>27.0 | 505<br>29.0 |

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