



**USAIRE**

# MODEL 1530M

## Model 1530M Steel Bar Floor Register

| Outlet Size | 6x6           | 4x8   | 4x10  | 4x12  | 8x8   | 6x12  | 6x14  | 4x24  | 8x12  |
|-------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Area        | 0.250         | 0.260 | 0.278 | 0.333 | 0.444 | 0.500 | 0.583 | 0.667 | 0.667 |
| CFM         | Face Velocity |       |       |       |       |       |       |       |       |
| 50          | 200           |       |       |       |       |       |       |       |       |
| 75          | 300           | 289   | 270   | 225   |       |       |       |       |       |
| 100         | 400           | 385   | 360   | 300   | 225   | 200   |       |       |       |
| 125         | 500           | 481   | 450   | 375   | 282   | 250   | 215   |       |       |
| 150         | 600           | 577   | 540   | 450   | 338   | 300   | 258   | 225   | 225   |
| 200         |               | 769   | 720   | 600   | 450   | 400   | 343   | 300   | 300   |
| 250         |               |       |       | 750   | 563   | 500   | 429   | 375   | 375   |
| 300         |               |       |       |       | 675   | 600   | 515   | 450   | 450   |
| 350         |               |       |       |       | 788   | 700   | 600   | 525   | 525   |
| 400         |               |       |       |       |       |       | 686   | 600   | 600   |
| 450         |               |       |       |       |       |       | 772   | 675   | 675   |

| Outlet Size | 10x10         | 8x14  | 10x14 | 6x24  | 12x12 | 6x30  | 8x24  | 12x18 | 12x30 |
|-------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Area        | 0.694         | 0.778 | 0.972 | 1.000 | 1.000 | 1.250 | 1.333 | 1.500 | 2.500 |
| CFM         | Face Velocity |       |       |       |       |       |       |       |       |
| 150         | 216           |       |       |       |       |       |       |       |       |
| 200         | 288           | 257   | 206   | 200   | 200   |       |       |       |       |
| 250         | 360           | 321   | 257   | 250   | 250   | 200   |       |       |       |
| 300         | 432           | 386   | 309   | 300   | 300   | 240   | 225   | 200   |       |
| 400         | 576           | 514   | 411   | 400   | 400   | 320   | 300   | 267   |       |
| 500         | 720           | 643   | 514   | 500   | 500   | 400   | 375   | 333   | 200   |
| 600         |               | 771   | 617   | 600   | 600   | 480   | 450   | 400   | 240   |
| 700         |               |       | 720   | 700   | 700   | 560   | 525   | 467   | 280   |
| 800         |               |       |       |       |       | 640   | 600   | 533   | 320   |
| 900         |               |       |       |       |       | 720   | 675   | 600   | 360   |
| 1000        |               |       |       |       |       |       |       | 667   | 400   |

| Outlet Size | 18x18         | 20x20 | 18x24 | 18x30 | 24x24 | 18x36 | 20x36 | 24x30 | 24x36 |
|-------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Area        | 2.250         | 2.778 | 3.000 | 3.750 | 4.000 | 4.500 | 5.000 | 5.000 | 6.000 |
| CFM         | Face Velocity |       |       |       |       |       |       |       |       |
| 500         | 222           |       |       |       |       |       |       |       |       |
| 600         | 267           | 216   | 200   |       |       |       |       |       |       |
| 700         | 311           | 252   | 233   |       |       |       |       |       |       |
| 800         | 356           | 288   | 267   | 213   | 200   |       |       |       |       |
| 900         | 400           | 324   | 300   | 240   | 225   | 200   |       |       |       |
| 1000        | 444           | 360   | 333   | 267   | 250   | 222   | 200   | 200   |       |
| 1500        | 667           | 540   | 500   | 400   | 375   | 333   | 300   | 300   | 250   |
| 2000        |               | 720   | 667   | 533   | 500   | 444   | 400   | 400   | 333   |
| 2500        |               |       |       | 667   | 625   | 556   | 500   | 500   | 417   |
| 3000        |               |       |       |       |       | 667   | 600   | 600   | 500   |
| 4000        |               |       |       |       |       |       |       |       | 667   |

**Notes:**

Neck Velocity - The neck velocity is in feet per minute

Face Velocity - The discharge velocity is in feet per minute

Ps - Static pressure readings are in inches water gauge.

Throw - Throw indicated are based on total number of feet of projected air when a terminal velocity of 50 feet per minute is reached. Values reflect side louver throw and center louver throw respectively. Throw should extend at least 75% of the distance from the face of the grille to the wall opposite the outlet. Throws are based on a 9 foot ceiling height.

Spread - Horizontal spread is measured in feet per minute

For sizes not shown, refer to online tools **GRD Selection Program** performance calculator on Home Page