# Filter Return Grilles & Registers

## DARH-FG ■ DARH-FG2 ■ DARH-FG4

| $A_C$ (ft²) | Size (in.) | | | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Core Velocity (FPM) | | | | | | | | | | |
| | | | | Velocity Pressure (in. w.g.) | 0.001 | 0.002 | 0.006 | 0.010 | 0.016 | 0.022 | 0.031 | 0.040 | 0.050 | 0.062 |
| | | | | Neg. Static Pressure (in. w.g.) | 0.004 | 0.011 | 0.024 | 0.044 | 0.071 | 0.104 | 0.143 | 0.189 | 0.241 | 0.299 |
| 0.18 | 8 x 4 | 7 x 5 | 6 x 6 | Airflow (CFM) | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 144 | 162 | 180 |
| | | | | NC | - | - | - | - | 18 | 23 | 27 | 31 | 34 | 37 |
| 0.20 | 10 x 4 | | | Airflow (CFM) | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 |
| | | | | NC | - | - | - | - | 19 | 23 | 28 | 31 | 34 | 37 |
| 0.26 | 12 x 4 | 10 x 5 | 8 x 6 | Airflow (CFM) | 26 | 52 | 78 | 104 | 130 | 156 | 182 | 208 | 234 | 260 |
| | | | | NC | - | - | - | - | 19 | 24 | 28 | 32 | 35 | 38 |
| 0.29 | 14 x 4 | | | Airflow (CFM) | 29 | 58 | 87 | 116 | 145 | 174 | 203 | 232 | 261 | 290 |
| | | | | NC | - | - | - | - | 19 | 24 | 28 | 32 | 35 | 38 |
| 0.33 | 16 x 4 | 12 x 5 | 10 x 6 | Airflow (CFM) | 33 | 66 | 99 | 132 | 165 | 198 | 231 | 264 | 297 | 330 |
| | | | | NC | - | - | - | - | 19 | 24 | 28 | 32 | 35 | 38 |
| 0.38 | 18 x 4 | 12 x 6 | 8 x 8 | Airflow (CFM) | 38 | 76 | 114 | 152 | 190 | 228 | 266 | 304 | 342 | 380 |
| | | | | NC | - | - | - | - | 20 | 25 | 29 | 32 | 36 | 38 |
| 0.45 | 20 x 4 | 14 x 6 | 10 x8 | Airflow (CFM) | 45 | 90 | 135 | 180 | 225 | 270 | 315 | 360 | 405 | 450 |
| | 16 x 5 | | | NC | - | - | - | - | 20 | 25 | 29 | 33 | 36 | 39 |
| 0.52 | 24 x 4 | 18 x 5 | 16 x 6 | Airflow (CFM) | 52 | 104 | 156 | 208 | 260 | 312 | 364 | 416 | 468 | 520 |
| | | | | NC | - | - | - | - | 20 | 25 | 30 | 33 | 37 | 39 |
| 0.58 | 28 x 4 | 18 x 6 | 10 x 10 | Airflow (CFM) | 58 | 116 | 174 | 232 | 290 | 348 | 406 | 464 | 522 | 580 |
| | 20 x 5 | 12 x 8 | | NC | - | - | - | - | 21 | 26 | 30 | 34 | 37 | 40 |
| 0.68 | 30 x 4 | 20 x 6 | 12 x 10 | Airflow (CFM) | 68 | 136 | 204 | 272 | 340 | 408 | 476 | 544 | 612 | 680 |
| | 24 x 5 | 14 x 8 | | NC | - | - | - | 15 | 21 | 26 | 31 | 34 | 38 | 41 |
| 0.79 | 36 x 4 | 22 x 6 | 14 x 10 | Airflow (CFM) | 79 | 158 | 237 | 316 | 395 | 474 | 553 | 632 | 711 | 790 |
| | 28 x 5 | 16 x 8 | | NC | - | - | - | 15 | 22 | 27 | 31 | 35 | 38 | 41 |
| 0.87 | 40 x 4 | 26 x 6 | 12 x 12 | Airflow (CFM) | 87 | 174 | 261 | 348 | 435 | 522 | 609 | 696 | 783 | 870 |
| | 30 x 5 | 18 x 8 | | NC | - | - | - | 16 | 22 | 27 | 32 | 36 | 39 | 42 |
| 1.05 | 48 x 4 | 30 x 6 | 18 x 10 | Airflow (CFM) | 105 | 210 | 315 | 420 | 525 | 630 | 735 | 840 | 945 | 1050 |
| | 36 x 5 | 22 x 8 | 14 x 22 | NC | - | - | - | 16 | 22 | 28 | 32 | 36 | 39 | 42 |
| 1.18 | 40 x 5 | 24 x 8 | 16 x 12 | Airflow (CFM) | 118 | 236 | 354 | 472 | 590 | 708 | 826 | 944 | 1062 | 1180 |
| | | | | NC | - | - | - | 16 | 23 | 28 | 32 | 36 | 40 | 43 |
| 1.35 | 46 x 5 | 28 x 8 | 18 x 12 | Airflow (CFM) | 135 | 270 | 405 | 540 | 675 | 810 | 945 | 1080 | 1215 | 1350 |
| | | | | NC | - | - | - | 16 | 23 | 28 | 32 | 36 | 40 | 43 |
| 1.6 | 44 x 6 | 22 x 12 | 16 x 16 | Airflow (CFM) | 160 | 320 | 480 | 640 | 800 | 960 | 1120 | 1280 | 1440 | 1600 |
| | | | | NC | - | - | - | 17 | 23 | 28 | 33 | 37 | 40 | 43 |
| 1.77 | 50 x 6 | 28 x 10 | 20 x 14 | Airflow (CFM) | 177 | 354 | 531 | 708 | 885 | 1062 | 1239 | 1416 | 1593 | 1770 |
| | | | | NC | - | - | - | 17 | 23 | 29 | 33 | 37 | 40 | 43 |
| 2.06 | 58 x 8 | 28 x 12 | 20 x 16 | Airflow (CFM) | 206 | 412 | 618 | 824 | 1030 | 1236 | 1442 | 1648 | 1854 | 2060 |
| | | | | NC | - | - | - | 17 | 24 | 29 | 33 | 37 | 40 | 43 |
| 2.37 | 48 x 8 | 32 x 12 | 24 x 16 | Airflow (CFM) | 237 | 474 | 711 | 948 | 1185 | 1422 | 1659 | 1896 | 2133 | 2370 |
| | | | | NC | - | - | - | 18 | 24 | 29 | 34 | 37 | 41 | 44 |
| 2.73 | 44 x 10 | 30 x 14 | 24 x 18 | Airflow (CFM) | 273 | 546 | 819 | 1092 | 1365 | 1638 | 1911 | 2184 | 2457 | 2730 |
| | | | | NC | - | - | - | 18 | 25 | 30 | 34 | 38 | 41 | 44 |
| 3.04 | 48 x 10 | 34 x 14 | 26 x 18 | Airflow (CFM) | 304 | 608 | 912 | 1216 | 1520 | 1824 | 2128 | 2432 | 2736 | 3040 |
| | | | | NC | - | - | - | 19 | 25 | 30 | 34 | 38 | 41 | 44 |

Scan for more product information.

# Filter Return Grilles & Registers

## DARH-FG ■ DARH-FG2 ■ DARH-FG4

| $A_C$ (ft²) | Size (in.) | Core Velocity (FPM) | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Velocity Pressure (in. w.g.) | 0.001 | 0.002 | 0.006 | 0.010 | 0.016 | 0.022 | 0.031 | 0.040 | 0.050 | 0.062 |
| | | Neg. Static Pressure (in. w.g.) | 0.004 | 0.011 | 0.024 | 0.044 | 0.071 | 0.104 | 0.143 | 0.189 | 0.241 | 0.299 |
| 3.71 | 58 x 10 36 x 16 28 x 20 | Airflow (CFM) | 371 | 742 | 1113 | 1484 | 1855 | 2226 | 2597 | 2968 | 3339 | 3710 |
| | 48 x 12 32 x 18 24 x 24 | NC | - | - | - | 20 | 26 | 31 | 35 | 39 | 42 | 45 |
| 4.28 | 68 x 10 42 x 16 32 x 20 | Airflow (CFM) | 428 | 856 | 1284 | 1712 | 2140 | 2568 | 2996 | 3424 | 3852 | 4280 |
| | 56 x 12 36 x 18 28 x 24 | NC | - | - | - | 21 | 27 | 32 | 36 | 39 | 42 | 46 |
| 4.64 | 72 x 10 44 x 16 36 x 20 | Airflow (CFM) | 464 | 928 | 1392 | 1856 | 2320 | 2784 | 3248 | 3712 | 4176 | 4640 |
| | 52 x 14 40 x 18 30 x 24 | NC | - | - | - | 21 | 27 | 32 | 36 | 40 | 43 | 46 |
| 5.5 | 84 x 10 60 x 14 48 x 18 | Airflow (CFM) | 550 | 1100 | 1650 | 2200 | 2750 | 3300 | 3850 | 4400 | 4950 | 5500 |
| | 72 x 12 54 x 16 42 x 20 | NC | - | - | 15 | 22 | 28 | 33 | 37 | 41 | 44 | 47 |
| 6.33 | 84 x 12 54 x 18 40 x 24 | Airflow (CFM) | 633 | 1266 | 1899 | 2532 | 3165 | 3798 | 4431 | 5064 | 5697 | 6330 |
| | 70 x 14 48 x 20 32 x 30 | NC | - | - | 16 | 24 | 29 | 34 | 38 | 42 | 45 | 47 |
| 6.64 | 72 x 14 36 x 28 32 x 32 | Airflow (CFM) | 664 | 1328 | 1992 | 2656 | 3320 | 3984 | 4648 | 5312 | 5976 | 6640 |
| | 42 x 24 46 x 22 | NC | - | - | 17 | 24 | 30 | 35 | 39 | 42 | 45 | 48 |
| 7.08 | 36 x 30 38 x 28 | Airflow (CFM) | 708 | 1416 | 2124 | 2832 | 3540 | 4248 | 4956 | 5664 | 6372 | 7080 |
| | | NC | - | - | 17 | 25 | 30 | 35 | 39 | 42 | 45 | 48 |
| 7.6 | 48 x 24 36 x 32 34 x 34 | Airflow (CFM) | 760 | 1520 | 2280 | 3040 | 3800 | 4560 | 5320 | 6080 | 6840 | 7600 |
| | 38 x 30 | NC | - | - | 18 | 25 | 31 | 36 | 40 | 43 | 46 | 49 |
| 8.09 | 36 x 34 40 x 30 38 x 32 | Airflow (CFM) | 809 | 1618 | 2427 | 3236 | 4045 | 4854 | 5663 | 6472 | 7281 | 8090 |
| | 48 x 26 | NC | - | - | 19 | 26 | 32 | 36 | 40 | 44 | 47 | 49 |
| 8.71 | 48 x 28 44 x 30 36 x 36 | Airflow (CFM) | 871 | 1742 | 2613 | 3484 | 4355 | 5226 | 6097 | 6968 | 7839 | 8710 |
| | 38 x 34 | NC | - | - | 20 | 27 | 33 | 37 | 41 | 44 | 47 | 50 |

**Performance Notes:**

1. Tested in accordance with ASHRAE Standard 70-2023 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in CFM.
3. All pressures are in w.g.
4. The performance tables are based on **DARH** grilles tested without opposed blade dampers or filters.
5. NC values are based on room absorption of 10dB re $10^{-12}$ watts @ 0° deflection and one diffuser.
6. Blanks "-" indicate a NC below 15.

Scan for more product information.