

**Model RH**
**Bar Type Fixed Blade Return**

| Size  | Area<br>Ak | Inlet<br>Velocity |      |      |      |      |      |      |      |      |      |
|-------|------------|-------------------|------|------|------|------|------|------|------|------|------|
|       |            | 200               | 300  | 400  | 500  | 600  | 700  | 800  | 900  | 1000 |      |
|       |            | PS                | .005 | .011 | .020 | .031 | .045 | .061 | .080 | .101 | .125 |
| 6x6   | .25        | CFM               | 50   | 75   | 100  | 125  | 150  | 175  | 200  | 225  | 250  |
|       | .12        | NC                | <15  | <15  | <15  | 17   | 20   | 22   | 25   | 27   | 29   |
| 8x4   | .22        | CFM               | 44   | 67   | 89   | 111  | 133  | 156  | 178  | 200  | 222  |
|       | .11        | NC                | <15  | <15  | <15  | 16   | 19   | 22   | 24   | 27   | 29   |
| 8x6   | .33        | CFM               | 67   | 100  | 133  | 167  | 200  | 233  | 267  | 300  | 333  |
|       | .16        | NC                | <15  | <15  | <15  | 18   | 21   | 24   | 26   | 29   | 31   |
| 8x8   | .44        | CFM               | 89   | 133  | 178  | 222  | 267  | 311  | 356  | 400  | 444  |
|       | .22        | NC                | <15  | <15  | 16   | 19   | 22   | 25   | 27   | 30   | 32   |
| 10x10 | .69        | CFM               | 139  | 208  | 278  | 347  | 417  | 486  | 556  | 625  | 694  |
|       | .68        | NC                | <15  | <15  | 18   | 21   | 24   | 27   | 29   | 32   | 34   |
| 12x6  | .50        | CFM               | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  |
|       | .49        | NC                | <15  | <15  | 17   | 20   | 23   | 25   | 28   | 30   | 32   |
| 12x12 | 1.00       | CFM               | 200  | 300  | 400  | 500  | 600  | 700  | 800  | 900  | 1000 |
|       | .98        | NC                | <15  | 16   | 20   | 23   | 26   | 28   | 31   | 33   | 35   |
| 14x6  | .58        | CFM               | 117  | 175  | 233  | 292  | 350  | 408  | 467  | 525  | 583  |
|       | .57        | NC                | <15  | <15  | 17   | 21   | 23   | 26   | 29   | 31   | 33   |
| 14x8  | .78        | CFM               | 156  | 233  | 311  | 389  | 467  | 544  | 622  | 700  | 778  |
|       | .76        | NC                | <15  | <15  | 19   | 22   | 25   | 27   | 30   | 32   | 34   |
| 14x10 | .97        | CFM               | 194  | 292  | 389  | 486  | 583  | 681  | 778  | 875  | 972  |
|       | .95        | NC                | <15  | 16   | 19   | 23   | 26   | 28   | 31   | 33   | 35   |
| 14x14 | 1.36       | CFM               | 272  | 408  | 544  | 681  | 817  | 953  | 1089 | 1225 | 1361 |
|       | 1.33       | NC                | <15  | 17   | 21   | 24   | 27   | 30   | 32   | 35   | 37   |
| 16x12 | 1.33       | CFM               | 267  | 400  | 533  | 667  | 800  | 933  | 1067 | 1200 | 1333 |
|       | 1.31       | NC                | <15  | 17   | 21   | 24   | 27   | 30   | 32   | 35   | 37   |
| 20x12 | 1.67       | CFM               | 333  | 500  | 667  | 833  | 1000 | 1167 | 1333 | 1500 | 1667 |
|       | 1.63       | NC                | <15  | 18   | 22   | 25   | 28   | 31   | 33   | 35   | 38   |
| 20x14 | 1.94       | CFM               | 389  | 583  | 778  | 972  | 1167 | 1361 | 1556 | 1750 | 1944 |
|       | 19.91      | NC                | <15  | 19   | 22   | 26   | 29   | 31   | 34   | 36   | 38   |
| 20x20 | 2.78       | CFM               | 556  | 833  | 1111 | 1389 | 1667 | 1944 | 2222 | 2500 | 2778 |
|       | 2.72       | NC                | 16   | 20   | 24   | 27   | 30   | 33   | 35   | 38   | 40   |
| 24x8  | 1.33       | CFM               | 267  | 400  | 533  | 667  | 800  | 933  | 1067 | 1200 | 1333 |
|       | 1.31       | NC                | <15  | 17   | 21   | 24   | 27   | 30   | 32   | 35   | 37   |
| 24x12 | 2.00       | CFM               | 400  | 600  | 800  | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 |
|       | 1.96       | NC                | <15  | 19   | 23   | 26   | 32   | 34   | 36   | 38   | 40   |
| 30x6  | 1.25       | CFM               | 250  | 375  | 500  | 625  | 750  | 875  | 1000 | 1125 | 1250 |
|       | 1.23       | NC                | <15  | 17   | 21   | 24   | 27   | 29   | 32   | 34   | 36   |
| 30x12 | 2.50       | CFM               | 500  | 750  | 1000 | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 |
|       | 2.45       | NC                | 15   | 20   | 24   | 27   | 30   | 32   | 35   | 37   | 39   |
| 30x20 | 4.17       | CFM               | 833  | 1250 | 1667 | 2083 | 2500 | 2917 | 3333 | 3750 | 4167 |
|       | 4.08       | NC                | 17   | 22   | 26   | 29   | 32   | 35   | 37   | 39   | 42   |
| 36x12 | 3.00       | CFM               | 600  | 900  | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 | 3000 |
|       | 2.94       | NC                | 16   | 21   | 24   | 28   | 31   | 33   | 36   | 38   | 40   |
| 48x12 | 4.00       | CFM               | 800  | 1200 | 1600 | 2000 | 2400 | 2800 | 3200 | 3600 | 4000 |
|       | 3.92       | NC                | 17   | 22   | 26   | 29   | 32   | 35   | 37   | 39   | 41   |
| 48x24 | 8.00       | CFM               | 1600 | 2400 | 3200 | 4000 | 4800 | 5600 | 6400 | 7200 | 8000 |
|       | 7.84       | NC                | 20   | 25   | 29   | 32   | 35   | 38   | 40   | 42   | 44   |

**Notes**

All Units have been tested in accordance with ANSI/ASHRAE 70-2006. Data in table is derived from such testing

Ps - Static pressure required to obtain listed cfm, units of inches water gauge (in. wg.)  
 NC - Calculated noise criteria using 10 dB per octave room attenuation (dimensionless).

Throw - Non-isothermal throw, in feet, for a terminal velocity of 50 fpm  
 Inlet Velocity = fpm (Feet Per Minute)

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