

AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

| Nom Duct mm | Duct Area m ² | Neck Vel m/s | Air Flow L/s | 0° | | 22.5° | | 45° | | NC | Octave Band, dB | | | | | | |
|-----------------|-----------------------------|-----------------|-----------------|------|-------------------|-------|------------------|------|-----------------|----|-----------------|----|----|----|----|----|--|
| | | | | Pt | Throw | Pt | Throw | Pt | Throw | | 2 | 3 | 4 | 5 | 6 | 7 | |
| | | | | Pa | m | Pa | m | Pa | m | | | | | | | | |
| 153 x 153 | 0.023 | 2.03 | 36 | 4.1 | 2.0 - 3.0 - 4.9 | 5.6 | 1.6 - 2.3 - 3.8 | 7.1 | 0.9 - 1.4 - 2.2 | - | 26 | 15 | 16 | - | - | - | |
| | | 3.30 | 59 | 10.9 | 3.3 - 4.4 - 6.2 | 14.9 | 2.5 - 3.4 - 4.8 | 18.8 | 1.5 - 2.0 - 2.8 | 13 | 38 | 28 | 29 | 20 | - | - | |
| | | 4.57 | 81 | 21.0 | 4.2 - 5.2 - 7.3 | 28.5 | 3.3 - 4.0 - 5.7 | 36.0 | 1.9 - 2.3 - 3.3 | 23 | 45 | 37 | 38 | 32 | 26 | 21 | |
| | | 5.84 | 104 | 34.2 | 4.8 - 5.9 - 8.3 | 46.5 | 3.7 - 4.5 - 6.4 | 58.9 | 2.2 - 2.6 - 3.7 | 30 | 51 | 44 | 44 | 41 | 38 | 34 | |
| | | 7.11 | 126 | 50.7 | 5.3 - 6.5 - 9.1 | 69.0 | 4.1 - 5.0 - 7.1 | 87.2 | 2.4 - 2.9 - 4.1 | 36 | 55 | 49 | 49 | 49 | 48 | 44 | |
| 204 x 153 | 0.031 | 2.03 | 50 | 4.1 | 2.4 - 3.5 - 5.7 | 5.6 | 1.8 - 2.7 - 4.5 | 7.1 | 1.1 - 1.6 - 2.6 | - | 28 | 16 | 17 | - | - | - | |
| | | 3.30 | 81 | 10.9 | 3.8 - 5.2 - 7.3 | 14.9 | 3.0 - 4.0 - 5.7 | 18.8 | 1.7 - 2.3 - 3.3 | 14 | 39 | 29 | 30 | 21 | 12 | - | |
| | | 4.57 | 112 | 21.0 | 5.0 - 6.1 - 8.6 | 28.5 | 3.9 - 4.7 - 6.7 | 36.0 | 2.2 - 2.7 - 3.9 | 24 | 47 | 38 | 39 | 34 | 28 | 23 | |
| | | 5.84 | 143 | 34.2 | 5.6 - 6.9 - 9.7 | 46.5 | 4.4 - 5.3 - 7.6 | 58.9 | 2.5 - 3.1 - 4.4 | 31 | 52 | 45 | 46 | 43 | 40 | 35 | |
| | | 7.11 | 175 | 50.7 | 6.2 - 7.6 - 10.8 | 69.0 | 4.8 - 5.9 - 8.3 | 87.2 | 2.8 - 3.4 - 4.8 | 37 | 57 | 50 | 51 | 50 | 50 | 45 | |
| 254 x 153 | 0.039 | 2.03 | 64 | 4.1 | 2.7 - 4.0 - 6.5 | 5.6 | 2.1 - 3.1 - 5.0 | 7.1 | 1.2 - 1.8 - 2.9 | - | 29 | 17 | 18 | - | - | - | |
| | | 3.18 | 99 | 10.1 | 4.2 - 5.7 - 8.1 | 13.7 | 3.2 - 4.4 - 6.3 | 17.4 | 1.9 - 2.6 - 3.7 | 14 | 39 | 29 | 30 | 21 | 11 | - | |
| | | 4.32 | 135 | 18.7 | 5.5 - 6.7 - 9.5 | 25.4 | 4.2 - 5.2 - 7.3 | 32.2 | 2.5 - 3.0 - 4.3 | 23 | 46 | 38 | 38 | 32 | 26 | 21 | |
| | | 5.46 | 171 | 29.9 | 6.1 - 7.5 - 10.6 | 40.7 | 4.8 - 5.8 - 8.2 | 51.4 | 2.8 - 3.4 - 4.8 | 30 | 52 | 44 | 45 | 41 | 38 | 33 | |
| | | 6.60 | 207 | 43.7 | 6.8 - 8.3 - 11.7 | 59.5 | 5.2 - 6.4 - 9.1 | 75.2 | 3.0 - 3.7 - 5.3 | 36 | 56 | 49 | 50 | 48 | 47 | 42 | |
| 204 x 204 | 0.041 | 2.03 | 69 | 4.1 | 2.8 - 4.2 - 6.8 | 5.6 | 2.1 - 3.2 - 5.2 | 7.1 | 1.2 - 1.9 - 3.0 | - | 29 | 17 | 19 | - | - | - | |
| | | 3.18 | 108 | 10.1 | 4.3 - 6.0 - 8.4 | 13.7 | 3.4 - 4.6 - 6.5 | 17.4 | 1.9 - 2.7 - 3.8 | 14 | 39 | 30 | 31 | 21 | 11 | - | |
| | | 4.32 | 146 | 18.7 | 5.7 - 7.0 - 9.8 | 25.4 | 4.4 - 5.4 - 7.6 | 32.2 | 2.6 - 3.1 - 4.4 | 24 | 47 | 38 | 39 | 33 | 26 | 21 | |
| | | 5.46 | 185 | 29.9 | 6.4 - 7.8 - 11.1 | 40.7 | 5.0 - 6.1 - 8.6 | 51.4 | 2.9 - 3.5 - 5.0 | 31 | 52 | 44 | 45 | 42 | 38 | 33 | |
| | | 6.60 | 224 | 43.7 | 7.0 - 8.6 - 12.2 | 59.5 | 5.4 - 6.7 - 9.4 | 75.2 | 3.2 - 3.9 - 5.5 | 36 | 57 | 50 | 50 | 49 | 47 | 43 | |
| 305 x 153 | 0.046 | 2.03 | 77 | 4.1 | 2.9 - 4.4 - 7.2 | 5.6 | 2.3 - 3.4 - 5.5 | 7.1 | 1.3 - 2.0 - 3.2 | - | 30 | 18 | 19 | - | - | - | |
| | | 3.05 | 116 | 9.3 | 4.4 - 6.2 - 8.8 | 12.7 | 3.4 - 4.8 - 6.8 | 16.0 | 2.0 - 2.8 - 3.9 | 14 | 39 | 29 | 30 | 20 | - | - | |
| | | 4.06 | 155 | 16.6 | 5.8 - 7.2 - 10.1 | 22.5 | 4.5 - 5.5 - 7.8 | 28.5 | 2.6 - 3.2 - 4.6 | 22 | 46 | 37 | 38 | 31 | 24 | 19 | |
| | | 5.08 | 194 | 25.9 | 6.5 - 8.0 - 11.3 | 35.2 | 5.1 - 6.2 - 8.8 | 44.5 | 2.9 - 3.6 - 5.1 | 29 | 51 | 43 | 44 | 39 | 35 | 30 | |
| | | 6.10 | 232 | 37.3 | 7.2 - 8.8 - 12.4 | 50.7 | 5.5 - 6.8 - 9.6 | 64.1 | 3.2 - 3.9 - 5.6 | 34 | 55 | 48 | 49 | 46 | 44 | 39 | |
| 356 x 153 | 0.054 | 2.03 | 91 | 4.1 | 3.2 - 4.8 - 7.8 | 5.6 | 2.5 - 3.7 - 6.0 | 7.1 | 1.4 - 2.2 - 3.5 | - | 30 | 19 | 20 | - | - | - | |
| | | 3.05 | 137 | 9.3 | 4.8 - 6.7 - 9.5 | 12.7 | 3.7 - 5.2 - 7.4 | 16.0 | 2.2 - 3.0 - 4.3 | 14 | 40 | 30 | 31 | 21 | - | - | |
| | | 4.06 | 182 | 16.6 | 6.3 - 7.8 - 11.0 | 22.5 | 4.9 - 6.0 - 8.5 | 28.5 | 2.9 - 3.5 - 4.9 | 23 | 46 | 38 | 38 | 32 | 25 | 19 | |
| | | 5.08 | 228 | 25.9 | 7.1 - 8.7 - 12.3 | 35.2 | 5.5 - 6.7 - 9.5 | 44.5 | 3.2 - 3.9 - 5.5 | 30 | 52 | 44 | 44 | 40 | 36 | 31 | |
| | | 6.10 | 274 | 37.3 | 7.8 - 9.5 - 13.5 | 50.7 | 6.0 - 7.4 - 10.4 | 64.1 | 3.5 - 4.3 - 6.1 | 35 | 56 | 49 | 49 | 47 | 45 | 40 | |
| 305 x 204 | 0.062 | 2.03 | 107 | 4.1 | 3.5 - 5.2 - 8.4 | 5.6 | 2.7 - 4.0 - 6.5 | 7.1 | 1.6 - 2.3 - 3.8 | - | 31 | 19 | 20 | - | - | - | |
| | | 3.05 | 160 | 9.3 | 5.2 - 7.3 - 10.3 | 12.7 | 4.0 - 5.6 - 8.0 | 16.0 | 2.3 - 3.3 - 4.6 | 15 | 40 | 30 | 31 | 22 | 11 | - | |
| | | 4.06 | 214 | 16.6 | 6.9 - 8.4 - 11.9 | 22.5 | 5.3 - 6.5 - 9.2 | 28.5 | 3.1 - 3.8 - 5.4 | 24 | 47 | 38 | 39 | 32 | 25 | 20 | |
| | | 5.08 | 267 | 25.9 | 7.7 - 9.4 - 13.3 | 35.2 | 6.0 - 7.3 - 10.3 | 44.5 | 3.5 - 4.2 - 6.0 | 30 | 52 | 44 | 45 | 41 | 36 | 31 | |
| | | 6.10 | 321 | 37.3 | 8.4 - 10.3 - 14.6 | 50.7 | 6.5 - 8.0 - 11.3 | 64.1 | 3.8 - 4.6 - 6.6 | 36 | 57 | 49 | 50 | 48 | 45 | 41 | |
| 254 x 254 | 0.064 | 2.03 | 112 | 4.1 | 3.5 - 5.3 - 8.6 | 5.6 | 2.7 - 4.1 - 6.7 | 7.1 | 1.6 - 2.4 - 3.9 | - | 31 | 19 | 21 | - | - | - | |
| | | 3.05 | 168 | 9.3 | 5.3 - 7.5 - 10.6 | 12.7 | 4.1 - 5.8 - 8.2 | 16.0 | 2.4 - 3.4 - 4.7 | 15 | 41 | 31 | 32 | 22 | 11 | - | |
| | | 4.06 | 224 | 16.6 | 7.0 - 8.6 - 12.2 | 22.5 | 5.5 - 6.7 - 9.4 | 28.5 | 3.2 - 3.9 - 5.5 | 24 | 47 | 38 | 39 | 33 | 25 | 20 | |
| | | 5.08 | 280 | 25.9 | 7.9 - 9.6 - 13.6 | 35.2 | 6.1 - 7.5 - 10.6 | 44.5 | 3.5 - 4.3 - 6.1 | 31 | 53 | 45 | 45 | 41 | 36 | 32 | |
| | | 6.10 | 337 | 37.3 | 8.6 - 10.6 - 14.9 | 50.7 | 6.7 - 8.2 - 11.6 | 64.1 | 3.9 - 4.7 - 6.7 | 36 | 57 | 50 | 50 | 48 | 45 | 41 | |
| 458 x 153 | 0.070 | 2.03 | 119 | 4.1 | 3.6 - 5.5 - 8.9 | 5.6 | 2.8 - 4.2 - 6.9 | 7.1 | 1.6 - 2.5 - 4.0 | - | 31 | 20 | 21 | - | - | - | |
| | | 3.05 | 178 | 9.3 | 5.5 - 7.7 - 10.9 | 12.7 | 4.2 - 5.9 - 8.4 | 16.0 | 2.5 - 3.5 - 4.9 | 16 | 41 | 31 | 32 | 22 | 12 | - | |
| | | 4.06 | 237 | 16.6 | 7.2 - 8.9 - 12.5 | 22.5 | 5.6 - 6.9 - 9.7 | 28.5 | 3.3 - 4.0 - 5.6 | 24 | 48 | 39 | 40 | 33 | 26 | 20 | |
| | | 5.08 | 297 | 25.9 | 8.1 - 9.9 - 14.0 | 35.2 | 6.3 - 7.7 - 10.9 | 44.5 | 3.6 - 4.5 - 6.3 | 31 | 53 | 45 | 46 | 41 | 37 | 32 | |
| | | 6.10 | 356 | 37.3 | 8.9 - 10.9 - 15.4 | 50.7 | 6.9 - 8.4 - 11.9 | 64.1 | 4.0 - 4.9 - 6.9 | 36 | 57 | 50 | 51 | 48 | 46 | 41 | |
| 305 x 254 | 0.077 | 2.03 | 136 | 4.1 | 3.9 - 5.9 - 9.5 | 5.6 | 3.0 - 4.5 - 7.4 | 7.1 | 1.8 - 2.6 - 4.3 | - | 32 | 20 | 21 | - | - | - | |
| | | 3.05 | 205 | 9.3 | 5.9 - 8.2 - 11.6 | 12.7 | 4.5 - 6.4 - 9.0 | 16.0 | 2.6 - 3.7 - 5.2 | 16 | 41 | 31 | 32 | 23 | 12 | - | |
| | | 4.06 | 273 | 16.6 | 7.8 - 9.5 - 13.4 | 22.5 | 6.0 - 7.4 - 10.4 | 28.5 | 3.5 - 4.3 - 6.0 | 25 | 48 | 39 | 40 | 33 | 26 | 21 | |
| | | 5.08 | 341 | 25.9 | 8.7 - 10.6 - 15.0 | 35.2 | 6.7 - 8.2 - 11.6 | 44.5 | 3.9 - 4.8 - 6.8 | 31 | 53 | 45 | 46 | 42 | 37 | 32 | |
| | | 6.10 | 409 | 37.3 | 9.5 - 11.6 - 16.5 | 50.7 | 7.4 - 9.0 - 12.8 | 64.1 | 4.3 - 5.2 - 7.4 | 37 | 58 | 50 | 51 | 49 | 46 | 42 | |
| 559 x 153 | 0.085 | 2.03 | 146 | 4.1 | 4.0 - 6.1 - 9.8 | 5.6 | 3.1 - 4.7 - 7.6 | 7.1 | 1.8 - 2.7 - 4.4 | - | 32 | 21 | 22 | - | - | - | |
| | | 3.05 | 219 | 9.3 | 6.1 - 8.5 - 12.0 | 12.7 | 4.7 - 6.6 - 9.3 | 16.0 | 2.7 - 3.8 - 5.4 | 16 | 42 | 32 | 33 | 23 | 12 | - | |
| | | 4.06 | 293 | 16.6 | 8.0 - 9.8 - 13.9 | 22.5 | 6.2 - 7.6 - 10.8 | 28.5 | 3.6 - 4.4 - 6.3 | 25 | 48 | 40 | 40 | 34 | 27 | 21 | |
| | | 5.08 | 366 | 25.9 | 9.0 - 11.0 - 15.6 | 35.2 | 7.0 - 8.5 - 12.1 | 44.5 | 4.0 - 5.0 - 7.0 | 32 | 54 | 46 | 46 | 42 | 38 | 33 | |
| | | 6.10 | 439 | 37.3 | 9.8 - 12.0 - 17.0 | 50.7 | 7.6 - 9.3 - 13.2 | 64.1 | 4.4 - 5.4 - 7.7 | 37 | 58 | 51 | 51 | 49 | 47 | 42 | |

SUPPLY GRILLES

AF80 - AF880

NOTE: See notes on page 11-62.

AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

| Nom Duct | Duct Area | Neck Vel | Air Flow | 0° | | 22.5° | | 45° | | NC | Octave Band, dB | | | | | |
|-----------|-----------|----------|----------|------|--------------------|-------|--------------------|------|------------------|----|-----------------|----|----|----|----|----|
| | | | | Pt | Throw | Pt | Throw | Pt | Throw | | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | Pa | m | Pa | m | Pa | m | | | | | | | |
| 305 x 305 | 0.093 | 2.03 | 166 | 4.1 | 4.3 - 6.5 - 10.5 | 5.6 | 3.3 - 5.0 - 8.1 | 7.1 | 1.9 - 2.9 - 4.7 | - | 33 | 21 | 22 | - | - | - |
| | | 2.92 | 239 | 8.6 | 6.2 - 8.9 - 12.6 | 11.6 | 4.8 - 6.9 - 9.7 | 14.7 | 2.8 - 4.0 - 5.7 | 16 | 41 | 31 | 32 | 22 | 11 | - |
| | | 3.81 | 311 | 14.6 | 8.1 - 10.1 - 14.3 | 19.8 | 6.3 - 7.9 - 11.1 | 25.0 | 3.6 - 4.6 - 6.5 | 24 | 48 | 38 | 39 | 32 | 24 | 19 |
| | | 4.70 | 384 | 22.1 | 9.2 - 11.3 - 15.9 | 30.1 | 7.1 - 8.7 - 12.4 | 38.1 | 4.1 - 5.1 - 7.2 | 30 | 52 | 44 | 45 | 40 | 34 | 29 |
| | | 5.59 | 456 | 31.3 | 10.0 - 12.3 - 17.4 | 42.6 | 7.8 - 9.5 - 13.5 | 53.8 | 4.5 - 5.5 - 7.8 | 35 | 56 | 49 | 50 | 46 | 43 | 38 |
| 458 x 254 | 0.116 | 2.03 | 209 | 4.1 | 4.8 - 7.2 - 11.8 | 5.6 | 3.7 - 5.6 - 9.1 | 7.1 | 2.2 - 3.3 - 5.3 | - | 34 | 22 | 23 | - | - | - |
| | | 2.92 | 301 | 8.6 | 6.9 - 10.0 - 14.1 | 11.6 | 5.4 - 7.7 - 10.9 | 14.7 | 3.1 - 4.5 - 6.3 | 17 | 42 | 32 | 33 | 23 | 12 | - |
| | | 3.81 | 392 | 14.6 | 9.1 - 11.4 - 16.1 | 19.8 | 7.0 - 8.8 - 12.5 | 25.0 | 4.1 - 5.1 - 7.3 | 25 | 49 | 39 | 40 | 33 | 25 | 20 |
| | | 4.70 | 484 | 22.1 | 10.3 - 12.7 - 17.9 | 30.1 | 8.0 - 9.8 - 13.9 | 38.1 | 4.6 - 5.7 - 8.1 | 31 | 53 | 45 | 46 | 41 | 35 | 30 |
| | | 5.59 | 575 | 31.3 | 11.3 - 13.8 - 19.5 | 42.6 | 8.7 - 10.7 - 15.1 | 53.8 | 5.1 - 6.2 - 8.8 | 36 | 57 | 50 | 51 | 47 | 44 | 39 |
| 356 x 356 | 0.126 | 2.03 | 230 | 4.1 | 5.1 - 7.6 - 12.3 | 5.6 | 3.9 - 5.9 - 9.6 | 7.1 | 2.3 - 3.4 - 5.6 | - | 34 | 23 | 24 | - | - | - |
| | | 2.92 | 331 | 8.6 | 7.3 - 10.5 - 14.8 | 11.6 | 5.6 - 8.1 - 11.5 | 14.7 | 3.3 - 4.7 - 6.7 | 17 | 43 | 33 | 34 | 23 | 12 | - |
| | | 3.81 | 432 | 14.6 | 9.5 - 12.0 - 16.9 | 19.8 | 7.4 - 9.3 - 13.1 | 25.0 | 4.3 - 5.4 - 7.6 | 25 | 49 | 40 | 41 | 33 | 25 | 20 |
| | | 4.70 | 532 | 22.1 | 10.8 - 13.3 - 18.8 | 30.1 | 8.4 - 10.3 - 14.5 | 38.1 | 4.9 - 6.0 - 8.4 | 31 | 54 | 46 | 46 | 41 | 36 | 31 |
| | | 5.59 | 633 | 31.3 | 11.8 - 14.5 - 20.5 | 42.6 | 9.2 - 11.2 - 15.9 | 53.8 | 5.3 - 6.5 - 9.2 | 36 | 58 | 50 | 51 | 48 | 44 | 39 |
| 686 x 204 | 0.139 | 2.03 | 249 | 4.1 | 5.3 - 7.9 - 12.9 | 5.6 | 4.1 - 6.1 - 10.0 | 7.1 | 2.4 - 3.6 - 5.8 | - | 35 | 23 | 24 | - | - | - |
| | | 2.92 | 359 | 8.6 | 7.6 - 10.9 - 15.4 | 11.6 | 5.9 - 8.4 - 11.9 | 14.7 | 3.4 - 4.9 - 6.9 | 17 | 43 | 33 | 34 | 24 | 13 | - |
| | | 3.81 | 468 | 14.6 | 9.9 - 12.4 - 17.6 | 19.8 | 7.7 - 9.6 - 13.6 | 25.0 | 4.5 - 5.6 - 7.9 | 25 | 49 | 40 | 41 | 34 | 26 | 20 |
| | | 4.70 | 577 | 22.1 | 11.3 - 13.8 - 19.5 | 30.1 | 8.7 - 10.7 - 15.1 | 38.1 | 5.1 - 6.2 - 8.8 | 32 | 54 | 46 | 47 | 42 | 36 | 31 |
| | | 5.59 | 686 | 31.3 | 12.3 - 15.1 - 21.3 | 42.6 | 9.5 - 11.7 - 16.5 | 53.8 | 5.5 - 6.8 - 9.6 | 37 | 58 | 51 | 51 | 48 | 45 | 40 |
| 559 x 254 | 0.142 | 2.03 | 258 | 4.1 | 5.4 - 8.0 - 13.1 | 5.6 | 4.2 - 6.2 - 10.1 | 7.1 | 2.4 - 3.6 - 5.9 | - | 35 | 23 | 24 | - | - | - |
| | | 2.92 | 370 | 8.6 | 7.7 - 11.1 - 15.7 | 11.6 | 6.0 - 8.6 - 12.1 | 14.7 | 3.5 - 5.0 - 7.0 | 17 | 43 | 33 | 34 | 24 | 13 | - |
| | | 3.81 | 483 | 14.6 | 10.1 - 12.6 - 17.9 | 19.8 | 7.8 - 9.8 - 13.9 | 25.0 | 4.5 - 5.7 - 8.0 | 25 | 49 | 40 | 41 | 34 | 26 | 21 |
| | | 4.70 | 596 | 22.1 | 11.5 - 14.0 - 19.9 | 30.1 | 8.9 - 10.9 - 15.4 | 38.1 | 5.2 - 6.3 - 8.9 | 32 | 54 | 46 | 47 | 42 | 36 | 31 |
| | | 5.59 | 709 | 31.3 | 12.5 - 15.3 - 21.7 | 42.6 | 9.7 - 11.9 - 16.8 | 53.8 | 5.6 - 6.9 - 9.7 | 37 | 58 | 51 | 52 | 48 | 45 | 40 |
| 610 x 254 | 0.155 | 1.52 | 211 | 2.3 | 3.9 - 6.3 - 11.8 | 3.2 | 3.0 - 4.9 - 9.2 | 4.0 | 1.7 - 2.8 - 5.3 | - | 28 | 16 | 17 | - | - | - |
| | | 2.41 | 335 | 5.8 | 6.7 - 10.0 - 14.9 | 7.9 | 5.2 - 7.7 - 11.5 | 10.0 | 3.0 - 4.5 - 6.7 | 12 | 39 | 28 | 29 | 17 | - | - |
| | | 3.30 | 458 | 10.9 | 9.1 - 12.3 - 17.4 | 14.9 | 7.1 - 9.5 - 13.5 | 18.8 | 4.1 - 5.5 - 7.8 | 22 | 46 | 37 | 38 | 29 | 19 | 14 |
| | | 4.19 | 582 | 17.6 | 11.3 - 13.9 - 19.6 | 24.0 | 8.8 - 10.8 - 15.2 | 30.3 | 5.1 - 6.2 - 8.8 | 29 | 52 | 43 | 44 | 38 | 31 | 26 |
| | | 5.08 | 705 | 25.9 | 12.5 - 15.3 - 21.6 | 35.2 | 9.7 - 11.8 - 16.7 | 44.5 | 5.6 - 6.9 - 9.7 | 34 | 57 | 49 | 49 | 45 | 40 | 36 |
| 458 x 356 | 0.163 | 1.52 | 225 | 2.3 | 4.0 - 6.5 - 12.2 | 3.2 | 3.1 - 5.0 - 9.5 | 4.0 | 1.8 - 2.9 - 5.5 | - | 29 | 16 | 17 | - | - | - |
| | | 2.41 | 356 | 5.8 | 6.9 - 10.3 - 15.3 | 7.9 | 5.3 - 8.0 - 11.9 | 10.0 | 3.1 - 4.6 - 6.9 | 12 | 39 | 28 | 30 | 17 | - | - |
| | | 3.30 | 487 | 10.9 | 9.4 - 12.7 - 18.0 | 14.9 | 7.3 - 9.8 - 13.9 | 18.8 | 4.2 - 5.7 - 8.1 | 22 | 47 | 37 | 38 | 29 | 19 | 14 |
| | | 4.19 | 618 | 17.6 | 11.7 - 14.3 - 20.2 | 24.0 | 9.0 - 11.1 - 15.7 | 30.3 | 5.3 - 6.4 - 9.1 | 29 | 52 | 44 | 44 | 38 | 31 | 26 |
| | | 5.08 | 749 | 25.9 | 12.9 - 15.7 - 22.3 | 35.2 | 10.0 - 12.2 - 17.3 | 44.5 | 5.8 - 7.1 - 10.0 | 35 | 57 | 49 | 50 | 45 | 41 | 36 |
| 407 x 407 | 0.165 | 1.52 | 229 | 2.3 | 4.0 - 6.6 - 12.3 | 3.2 | 3.1 - 5.1 - 9.5 | 4.0 | 1.8 - 3.0 - 5.5 | - | 29 | 16 | 17 | - | - | - |
| | | 2.41 | 362 | 5.8 | 6.9 - 10.4 - 15.5 | 7.9 | 5.4 - 8.1 - 12.0 | 10.0 | 3.1 - 4.7 - 7.0 | 12 | 40 | 29 | 30 | 17 | - | - |
| | | 3.30 | 495 | 10.9 | 9.5 - 12.8 - 18.1 | 14.9 | 7.3 - 9.9 - 14.0 | 18.8 | 4.3 - 5.8 - 8.1 | 22 | 47 | 37 | 38 | 29 | 20 | 14 |
| | | 4.19 | 629 | 17.6 | 11.8 - 14.4 - 20.4 | 24.0 | 9.1 - 11.2 - 15.8 | 30.3 | 5.3 - 6.5 - 9.2 | 29 | 52 | 44 | 44 | 38 | 31 | 26 |
| | | 5.08 | 762 | 25.9 | 13.0 - 15.9 - 22.5 | 35.2 | 10.0 - 12.3 - 17.4 | 44.5 | 5.8 - 7.1 - 10.1 | 35 | 57 | 49 | 50 | 45 | 41 | 36 |
| 610 x 305 | 0.186 | 1.52 | 257 | 2.3 | 4.3 - 7.0 - 13.0 | 3.2 | 3.3 - 5.4 - 10.1 | 4.0 | 1.9 - 3.1 - 5.9 | - | 29 | 16 | 18 | - | - | - |
| | | 2.41 | 407 | 5.8 | 7.3 - 11.0 - 16.4 | 7.9 | 5.7 - 8.5 - 12.7 | 10.0 | 3.3 - 5.0 - 7.4 | 13 | 40 | 29 | 30 | 18 | - | - |
| | | 3.30 | 557 | 10.9 | 10.1 - 13.6 - 19.2 | 14.9 | 7.8 - 10.5 - 14.9 | 18.8 | 4.5 - 6.1 - 8.6 | 22 | 47 | 38 | 39 | 30 | 20 | 15 |
| | | 4.19 | 707 | 17.6 | 12.5 - 15.3 - 21.6 | 24.0 | 9.7 - 11.9 - 16.8 | 30.3 | 5.6 - 6.9 - 9.7 | 29 | 53 | 44 | 45 | 39 | 32 | 27 |
| | | 5.08 | 857 | 25.9 | 13.8 - 16.8 - 23.8 | 35.2 | 10.7 - 13.1 - 18.5 | 44.5 | 6.2 - 7.6 - 10.7 | 35 | 57 | 49 | 50 | 46 | 41 | 36 |
| 458 x 458 | 0.209 | 1.52 | 293 | 2.3 | 4.6 - 7.4 - 13.9 | 3.2 | 3.5 - 5.8 - 10.8 | 4.0 | 2.1 - 3.3 - 6.3 | - | 30 | 17 | 18 | - | - | - |
| | | 2.41 | 463 | 5.8 | 7.8 - 11.8 - 17.5 | 7.9 | 6.1 - 9.1 - 13.6 | 10.0 | 3.5 - 5.3 - 7.9 | 14 | 41 | 30 | 31 | 18 | - | - |
| | | 3.30 | 634 | 10.9 | 10.7 - 14.5 - 20.5 | 14.9 | 8.3 - 11.2 - 15.9 | 18.8 | 4.8 - 6.5 - 9.2 | 23 | 48 | 38 | 39 | 30 | 21 | 15 |
| | | 4.19 | 805 | 17.6 | 13.3 - 16.3 - 23.1 | 24.0 | 10.3 - 12.6 - 17.9 | 30.3 | 6.0 - 7.3 - 10.4 | 30 | 53 | 45 | 46 | 39 | 32 | 27 |
| | | 5.08 | 975 | 25.9 | 14.7 - 18.0 - 25.4 | 35.2 | 11.4 - 13.9 - 19.7 | 44.5 | 6.6 - 8.1 - 11.4 | 36 | 58 | 50 | 51 | 46 | 42 | 37 |
| 610 x 356 | 0.217 | 1.52 | 303 | 2.3 | 4.6 - 7.6 - 14.2 | 3.2 | 3.6 - 5.9 - 11.0 | 4.0 | 2.1 - 3.4 - 6.4 | - | 30 | 17 | 18 | - | - | - |
| | | 2.41 | 480 | 5.8 | 8.0 - 12.0 - 17.8 | 7.9 | 6.2 - 9.3 - 13.8 | 10.0 | 3.6 - 5.4 - 8.0 | 14 | 41 | 30 | 31 | 19 | - | - |
| | | 3.30 | 656 | 10.9 | 10.9 - 14.7 - 20.8 | 14.9 | 8.5 - 11.4 - 16.2 | 18.8 | 4.9 - 6.6 - 9.4 | 23 | 48 | 38 | 39 | 30 | 21 | 15 |
| | | 4.19 | 833 | 17.6 | 13.6 - 16.6 - 23.5 | 24.0 | 10.5 - 12.9 - 18.2 | 30.3 | 6.1 - 7.5 - 10.6 | 30 | 54 | 45 | 46 | 39 | 33 | 27 |
| | | 5.08 | 1010 | 25.9 | 14.9 - 18.3 - 25.9 | 35.2 | 11.6 - 14.2 - 20.0 | 44.5 | 6.7 - 8.2 - 11.6 | 36 | 58 | 50 | 51 | 47 | 42 | 37 |

NOTE: See notes on page I1-62.

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SUPPLY GRILLES

AF80 - AF880

AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw
METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

| Nom Duct mm | Duct Area m ² | Neck Vel m/s | Air Flow L/s | 0° | | 22.5° | | 45° | | NC | Octave Band, dB | | | | | | |
|-----------------|-----------------------------|-----------------|-----------------|------|--------------------|-------|--------------------|------|-------------------|----|-----------------|----|----|----|----|----|--|
| | | | | Pt | Throw | Pt | Throw | Pt | Throw | | 2 | 3 | 4 | 5 | 6 | 7 | |
| | | | | Pa | m | Pa | m | Pa | m | | | | | | | | |
| 762 x 305 | 0.232 | 1.52 | 324 | 2.3 | 4.8 - 7.8 - 14.6 | 3.2 | 3.7 - 6.0 - 11.3 | 4.0 | 2.2 - 3.5 - 6.6 | - | 30 | 17 | 19 | - | - | - | |
| | | 2.41 | 512 | 5.8 | 8.2 - 12.4 - 18.4 | 7.9 | 6.4 - 9.6 - 14.3 | 10.0 | 3.7 - 5.6 - 8.3 | 14 | 41 | 30 | 31 | 19 | - | - | |
| | | 3.30 | 701 | 10.9 | 11.3 - 15.2 - 21.5 | 14.9 | 8.7 - 11.8 - 16.7 | 18.8 | 5.1 - 6.9 - 9.7 | 23 | 48 | 39 | 40 | 31 | 21 | 16 | |
| | | 4.19 | 890 | 17.6 | 14.0 - 17.2 - 24.3 | 24.0 | 10.9 - 13.3 - 18.8 | 30.3 | 6.3 - 7.7 - 10.9 | 30 | 54 | 45 | 46 | 40 | 33 | 28 | |
| | | 5.08 | 1078 | 25.9 | 15.4 - 18.9 - 26.7 | 35.2 | 12.0 - 14.6 - 20.7 | 44.5 | 6.9 - 8.5 - 12.0 | 36 | 58 | 50 | 51 | 47 | 42 | 37 | |
| 610 x 407 | 0.248 | 1.52 | 349 | 2.3 | 5.0 - 8.1 - 15.2 | 3.2 | 3.9 - 6.3 - 11.8 | 4.0 | 2.2 - 3.6 - 6.8 | - | 31 | 18 | 19 | - | - | - | |
| | | 2.41 | 552 | 5.8 | 8.6 - 12.8 - 19.1 | 7.9 | 6.6 - 9.9 - 14.8 | 10.0 | 3.8 - 5.8 - 8.6 | 14 | 41 | 30 | 31 | 19 | - | - | |
| | | 3.30 | 755 | 10.9 | 11.7 - 15.8 - 22.4 | 14.9 | 9.1 - 12.3 - 17.3 | 18.8 | 5.3 - 7.1 - 10.1 | 24 | 49 | 39 | 40 | 31 | 21 | 16 | |
| | | 4.19 | 959 | 17.6 | 14.5 - 17.8 - 25.2 | 24.0 | 11.3 - 13.8 - 19.5 | 30.3 | 6.5 - 8.0 - 11.3 | 31 | 54 | 46 | 46 | 40 | 33 | 28 | |
| | | 5.08 | 1162 | 25.9 | 16.0 - 19.6 - 27.7 | 35.2 | 12.4 - 15.2 - 21.5 | 44.5 | 7.2 - 8.8 - 12.5 | 36 | 59 | 51 | 52 | 47 | 43 | 38 | |
| 508 x 508 | 0.258 | 1.52 | 364 | 2.3 | 5.1 - 8.3 - 15.5 | 3.2 | 4.0 - 6.4 - 12.0 | 4.0 | 2.3 - 3.7 - 7.0 | - | 31 | 18 | 19 | - | - | - | |
| | | 2.41 | 577 | 5.8 | 8.7 - 13.1 - 19.5 | 7.9 | 6.8 - 10.2 - 15.1 | 10.0 | 3.9 - 5.9 - 8.8 | 14 | 42 | 31 | 32 | 19 | - | - | |
| | | 3.30 | 789 | 10.9 | 12.0 - 16.2 - 22.9 | 14.9 | 9.3 - 12.5 - 17.7 | 18.8 | 5.4 - 7.3 - 10.3 | 24 | 49 | 39 | 40 | 31 | 22 | 16 | |
| | | 4.19 | 1002 | 17.6 | 14.9 - 18.2 - 25.8 | 24.0 | 11.5 - 14.1 - 20.0 | 30.3 | 6.7 - 8.2 - 11.6 | 31 | 54 | 46 | 47 | 40 | 33 | 28 | |
| | | 5.08 | 1214 | 25.9 | 16.4 - 20.0 - 28.4 | 35.2 | 12.7 - 15.5 - 22.0 | 44.5 | 7.4 - 9.0 - 12.8 | 37 | 59 | 51 | 52 | 47 | 43 | 38 | |
| 610 x 458 | 0.279 | 1.52 | 394 | 2.3 | 5.3 - 8.6 - 16.2 | 3.2 | 4.1 - 6.7 - 12.5 | 4.0 | 2.4 - 3.9 - 7.3 | - | 31 | 18 | 20 | - | - | - | |
| | | 2.41 | 624 | 5.8 | 9.1 - 13.6 - 20.3 | 7.9 | 7.0 - 10.6 - 15.8 | 10.0 | 4.1 - 6.1 - 9.1 | 15 | 42 | 31 | 32 | 20 | - | - | |
| | | 3.30 | 854 | 10.9 | 12.4 - 16.8 - 23.8 | 14.9 | 9.6 - 13.0 - 18.4 | 18.8 | 5.6 - 7.6 - 10.7 | 24 | 49 | 39 | 40 | 32 | 22 | 16 | |
| | | 4.19 | 1084 | 17.6 | 15.5 - 18.9 - 26.8 | 24.0 | 12.0 - 14.7 - 20.8 | 30.3 | 7.0 - 8.5 - 12.1 | 31 | 55 | 46 | 47 | 41 | 34 | 28 | |
| | | 5.08 | 1314 | 25.9 | 17.0 - 20.9 - 29.5 | 35.2 | 13.2 - 16.2 - 22.9 | 44.5 | 7.7 - 9.4 - 13.3 | 37 | 59 | 51 | 52 | 48 | 43 | 38 | |
| 762 x 407 | 0.310 | 1.52 | 439 | 2.3 | 5.6 - 9.1 - 17.0 | 3.2 | 4.3 - 7.0 - 13.2 | 4.0 | 2.5 - 4.1 - 7.7 | - | 32 | 19 | 20 | - | - | - | |
| | | 2.41 | 694 | 5.8 | 9.6 - 14.4 - 21.4 | 7.9 | 7.4 - 11.2 - 16.6 | 10.0 | 4.3 - 6.5 - 9.6 | 15 | 42 | 31 | 32 | 20 | - | - | |
| | | 3.30 | 950 | 10.9 | 13.1 - 17.7 - 25.1 | 14.9 | 10.2 - 13.7 - 19.4 | 18.8 | 5.9 - 8.0 - 11.3 | 25 | 50 | 40 | 41 | 32 | 22 | 17 | |
| | | 4.19 | 1206 | 17.6 | 16.3 - 20.0 - 28.3 | 24.0 | 12.6 - 15.5 - 21.9 | 30.3 | 7.3 - 9.0 - 12.7 | 32 | 55 | 47 | 47 | 41 | 34 | 29 | |
| | | 5.08 | 1462 | 25.9 | 18.0 - 22.0 - 31.1 | 35.2 | 13.9 - 17.0 - 24.1 | 44.5 | 8.1 - 9.9 - 14.0 | 37 | 60 | 52 | 53 | 48 | 44 | 39 | |
| 559 x 559 | 0.312 | 1.52 | 444 | 2.3 | 5.6 - 9.1 - 17.1 | 3.2 | 4.4 - 7.1 - 13.3 | 4.0 | 2.5 - 4.1 - 7.7 | - | 32 | 19 | 20 | - | - | - | |
| | | 2.41 | 703 | 5.8 | 9.7 - 14.5 - 21.6 | 7.9 | 7.5 - 11.2 - 16.7 | 10.0 | 4.3 - 6.5 - 9.7 | 15 | 42 | 31 | 32 | 20 | - | - | |
| | | 3.30 | 962 | 10.9 | 13.2 - 17.8 - 25.2 | 14.9 | 10.2 - 13.8 - 19.6 | 18.8 | 5.9 - 8.0 - 11.4 | 25 | 50 | 40 | 41 | 32 | 22 | 17 | |
| | | 4.19 | 1221 | 17.6 | 16.4 - 20.1 - 28.4 | 24.0 | 12.7 - 15.6 - 22.0 | 30.3 | 7.4 - 9.0 - 12.8 | 32 | 55 | 47 | 47 | 41 | 34 | 29 | |
| | | 5.08 | 1480 | 25.9 | 18.1 - 22.1 - 31.3 | 35.2 | 14.0 - 17.2 - 24.3 | 44.5 | 8.1 - 10.0 - 14.1 | 37 | 60 | 52 | 53 | 48 | 44 | 39 | |
| 915 x 356 | 0.325 | 1.52 | 459 | 2.3 | 5.7 - 9.3 - 17.4 | 3.2 | 4.4 - 7.2 - 13.5 | 4.0 | 2.6 - 4.2 - 7.8 | - | 32 | 19 | 20 | - | - | - | |
| | | 2.41 | 727 | 5.8 | 9.8 - 14.7 - 21.9 | 7.9 | 7.6 - 11.4 - 17.0 | 10.0 | 4.4 - 6.6 - 9.9 | 15 | 43 | 32 | 33 | 20 | - | - | |
| | | 3.30 | 995 | 10.9 | 13.4 - 18.1 - 25.7 | 14.9 | 10.4 - 14.1 - 19.9 | 18.8 | 6.0 - 8.2 - 11.5 | 25 | 50 | 40 | 41 | 32 | 23 | 17 | |
| | | 4.19 | 1263 | 17.6 | 16.7 - 20.4 - 28.9 | 24.0 | 12.9 - 15.8 - 22.4 | 30.3 | 7.5 - 9.2 - 13.0 | 32 | 55 | 47 | 48 | 41 | 34 | 29 | |
| | | 5.08 | 1531 | 25.9 | 18.4 - 22.5 - 31.8 | 35.2 | 14.2 - 17.4 - 24.7 | 44.5 | 8.3 - 10.1 - 14.3 | 38 | 60 | 52 | 53 | 48 | 44 | 39 | |
| 610 x 559 | 0.341 | 1.52 | 486 | 2.3 | 5.9 - 9.6 - 17.9 | 3.2 | 4.6 - 7.4 - 13.9 | 4.0 | 2.6 - 4.3 - 8.1 | - | 32 | 19 | 20 | - | - | - | |
| | | 2.29 | 729 | 5.2 | 9.6 - 14.3 - 22.0 | 7.1 | 7.4 - 11.1 - 17.0 | 9.0 | 4.3 - 6.5 - 9.9 | 14 | 42 | 30 | 31 | 19 | - | - | |
| | | 3.05 | 972 | 9.3 | 12.8 - 17.9 - 25.4 | 12.7 | 9.9 - 13.9 - 19.7 | 16.0 | 5.7 - 8.1 - 11.4 | 23 | 48 | 38 | 39 | 29 | 19 | 13 | |
| | | 3.81 | 1214 | 14.6 | 15.9 - 20.0 - 28.4 | 19.8 | 12.4 - 15.5 - 22.0 | 25.0 | 7.2 - 9.0 - 12.8 | 29 | 53 | 44 | 45 | 38 | 30 | 25 | |
| | | 4.57 | 1457 | 21.0 | 17.9 - 22.0 - 31.1 | 28.5 | 13.9 - 17.0 - 24.1 | 36.0 | 8.1 - 9.9 - 14.0 | 35 | 58 | 49 | 50 | 45 | 39 | 34 | |
| 762 x 458 | 0.348 | 1.52 | 496 | 2.3 | 5.9 - 9.7 - 18.1 | 3.2 | 4.6 - 7.5 - 14.0 | 4.0 | 2.7 - 4.3 - 8.2 | - | 32 | 19 | 21 | - | - | - | |
| | | 2.29 | 744 | 5.2 | 9.7 - 14.5 - 22.2 | 7.1 | 7.5 - 11.2 - 17.2 | 9.0 | 4.3 - 6.5 - 10.0 | 14 | 42 | 30 | 32 | 19 | - | - | |
| | | 3.05 | 992 | 9.3 | 12.9 - 18.1 - 25.6 | 12.7 | 10.0 - 14.0 - 19.9 | 16.0 | 5.8 - 8.2 - 11.5 | 23 | 48 | 38 | 39 | 30 | 19 | 13 | |
| | | 3.81 | 1240 | 14.6 | 16.1 - 20.3 - 28.7 | 19.8 | 12.5 - 15.7 - 22.2 | 25.0 | 7.2 - 9.1 - 12.9 | 29 | 54 | 44 | 45 | 38 | 30 | 25 | |
| | | 4.57 | 1488 | 21.0 | 18.1 - 22.2 - 31.4 | 28.5 | 14.0 - 17.2 - 24.3 | 36.0 | 8.2 - 10.0 - 14.1 | 35 | 58 | 49 | 50 | 45 | 39 | 34 | |
| 915 x 407 | 0.372 | 1.52 | 529 | 2.3 | 6.1 - 10.0 - 18.7 | 3.2 | 4.8 - 7.7 - 14.5 | 4.0 | 2.8 - 4.5 - 8.4 | - | 32 | 20 | 21 | - | - | - | |
| | | 2.29 | 793 | 5.2 | 10.0 - 15.0 - 22.9 | 7.1 | 7.7 - 11.6 - 17.8 | 9.0 | 4.5 - 6.7 - 10.3 | 14 | 42 | 31 | 32 | 19 | - | - | |
| | | 3.05 | 1057 | 9.3 | 13.3 - 18.7 - 26.5 | 12.7 | 10.3 - 14.5 - 20.5 | 16.0 | 6.0 - 8.4 - 11.9 | 23 | 49 | 39 | 40 | 30 | 19 | 14 | |
| | | 3.81 | 1321 | 14.6 | 16.6 - 20.9 - 29.6 | 19.8 | 12.9 - 16.2 - 22.9 | 25.0 | 7.5 - 9.4 - 13.3 | 30 | 54 | 45 | 46 | 38 | 30 | 25 | |
| | | 4.57 | 1586 | 21.0 | 18.7 - 22.9 - 32.4 | 28.5 | 14.5 - 17.8 - 25.1 | 36.0 | 8.4 - 10.3 - 14.6 | 35 | 58 | 50 | 50 | 45 | 39 | 34 | |
| 915 x 458 | 0.418 | 1.52 | 598 | 2.3 | 6.5 - 10.6 - 19.9 | 3.2 | 5.1 - 8.2 - 15.4 | 4.0 | 2.9 - 4.8 - 9.0 | - | 33 | 20 | 21 | - | - | - | |
| | | 2.29 | 897 | 5.2 | 10.6 - 15.9 - 24.4 | 7.1 | 8.2 - 12.3 - 18.9 | 9.0 | 4.8 - 7.2 - 11.0 | 15 | 42 | 31 | 32 | 19 | - | - | |
| | | 3.05 | 1196 | 9.3 | 14.1 - 19.9 - 28.1 | 12.7 | 11.0 - 15.4 - 21.8 | 16.0 | 6.4 - 9.0 - 12.7 | 23 | 49 | 39 | 40 | 30 | 20 | 14 | |
| | | 3.81 | 1495 | 14.6 | 17.7 - 22.2 - 31.5 | 19.8 | 13.7 - 17.2 - 24.4 | 25.0 | 8.0 - 10.0 - 14.2 | 30 | 54 | 45 | 46 | 39 | 31 | 25 | |
| | | 4.57 | 1794 | 21.0 | 19.9 - 24.4 - 34.5 | 28.5 | 15.4 - 18.9 - 26.7 | 36.0 | 9.0 - 11.0 - 15.5 | 36 | 59 | 50 | 51 | 46 | 40 | 35 | |

SUPPLY GRILLES

AF80 - AF880

NOTE: See notes on page 11-62.

AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

| Nom Duct mm | Duct Area m ² | Neck Vel m/s | Air Flow L/s | 0° | | 22.5° | | 45° | | NC | Octave Band, dB | | | | | |
|------------------|-----------------------------|-----------------|-----------------|------|--------------------|-------|--------------------|------|--------------------|----|-----------------|----|----|----|----|----|
| | | | | Pt | Throw | Pt | Throw | Pt | Throw | | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | Pa | m | Pa | m | Pa | m | | | | | | | |
| 762 x 610 | 0.465 | 1.52 | 669 | 2.3 | 6.9 - 11.2 - 21.0 | 3.2 | 5.4 - 8.7 - 16.3 | 4.0 | 3.1 - 5.0 - 9.5 | - | 33 | 21 | 22 | - | - | - |
| | | 2.29 | 1003 | 5.2 | 11.2 - 16.8 - 25.8 | 7.1 | 8.7 - 13.0 - 20.0 | 9.0 | 5.0 - 7.6 - 11.6 | 15 | 43 | 32 | 33 | 20 | - | - |
| | | 3.05 | 1337 | 9.3 | 15.0 - 21.0 - 29.8 | 12.7 | 11.6 - 16.3 - 23.1 | 16.0 | 6.7 - 9.5 - 13.4 | 24 | 50 | 40 | 41 | 31 | 20 | 15 |
| | | 3.81 | 1672 | 14.6 | 18.7 - 23.5 - 33.3 | 19.8 | 14.5 - 18.2 - 25.8 | 25.0 | 8.4 - 10.6 - 15.0 | 31 | 55 | 46 | 47 | 39 | 31 | 26 |
| | | 4.57 | 2006 | 21.0 | 21.0 - 25.8 - 36.4 | 28.5 | 16.3 - 20.0 - 28.2 | 36.0 | 9.5 - 11.6 - 16.4 | 36 | 59 | 51 | 52 | 46 | 40 | 35 |
| 1067 x 458 | 0.488 | 1.52 | 700 | 2.3 | 7.1 - 11.5 - 21.5 | 3.2 | 5.5 - 8.9 - 16.7 | 4.0 | 3.2 - 5.2 - 9.7 | - | 34 | 21 | 22 | - | - | - |
| | | 2.29 | 1049 | 5.2 | 11.5 - 17.2 - 26.4 | 7.1 | 8.9 - 13.3 - 20.4 | 9.0 | 5.2 - 7.7 - 11.9 | 16 | 43 | 32 | 33 | 20 | - | - |
| | | 3.05 | 1399 | 9.3 | 15.3 - 21.5 - 30.4 | 12.7 | 11.9 - 16.7 - 23.6 | 16.0 | 6.9 - 9.7 - 13.7 | 24 | 50 | 40 | 41 | 31 | 20 | 15 |
| | | 3.81 | 1749 | 14.6 | 19.1 - 24.1 - 34.0 | 19.8 | 14.8 - 18.6 - 26.4 | 25.0 | 8.6 - 10.8 - 15.3 | 31 | 55 | 46 | 47 | 39 | 31 | 26 |
| | | 4.57 | 2099 | 21.0 | 21.5 - 26.4 - 37.3 | 28.5 | 16.7 - 20.4 - 28.9 | 36.0 | 9.7 - 11.9 - 16.8 | 36 | 59 | 51 | 52 | 46 | 40 | 35 |
| 712 x 712 | 0.506 | 1.52 | 730 | 2.3 | 7.2 - 11.7 - 22.0 | 3.2 | 5.6 - 9.1 - 17.0 | 4.0 | 3.2 - 5.3 - 9.9 | - | 34 | 21 | 22 | - | - | - |
| | | 2.29 | 1095 | 5.2 | 11.7 - 17.6 - 26.9 | 7.1 | 9.1 - 13.6 - 20.9 | 9.0 | 5.3 - 7.9 - 12.1 | 16 | 43 | 32 | 33 | 20 | - | - |
| | | 3.05 | 1460 | 9.3 | 15.6 - 22.0 - 31.1 | 12.7 | 12.1 - 17.0 - 24.1 | 16.0 | 7.0 - 9.9 - 14.0 | 24 | 50 | 40 | 41 | 31 | 21 | 15 |
| | | 3.81 | 1825 | 14.6 | 19.5 - 24.6 - 34.8 | 19.8 | 15.1 - 19.0 - 26.9 | 25.0 | 8.8 - 11.1 - 15.6 | 31 | 55 | 46 | 47 | 40 | 32 | 26 |
| | | 4.57 | 2190 | 21.0 | 22.0 - 26.9 - 38.1 | 28.5 | 17.0 - 20.9 - 29.5 | 36.0 | 9.9 - 12.1 - 17.1 | 36 | 59 | 51 | 52 | 46 | 41 | 36 |
| 762 x 712 | 0.542 | 1.52 | 784 | 2.3 | 7.5 - 12.1 - 22.8 | 3.2 | 5.8 - 9.4 - 17.7 | 4.0 | 3.4 - 5.5 - 10.2 | - | 34 | 21 | 23 | - | - | - |
| | | 2.29 | 1176 | 5.2 | 12.1 - 18.2 - 27.9 | 7.1 | 9.4 - 14.1 - 21.6 | 9.0 | 5.5 - 8.2 - 12.6 | 16 | 44 | 32 | 33 | 21 | - | - |
| | | 3.05 | 1567 | 9.3 | 16.2 - 22.8 - 32.2 | 12.7 | 12.6 - 17.7 - 25.0 | 16.0 | 7.3 - 10.2 - 14.5 | 25 | 50 | 40 | 41 | 31 | 21 | 15 |
| | | 3.81 | 1959 | 14.6 | 20.2 - 25.5 - 36.0 | 19.8 | 15.7 - 19.7 - 27.9 | 25.0 | 9.1 - 11.5 - 16.2 | 31 | 56 | 46 | 47 | 40 | 32 | 27 |
| | | 4.57 | 2351 | 21.0 | 22.8 - 27.9 - 39.4 | 28.5 | 17.7 - 21.6 - 30.6 | 36.0 | 10.2 - 12.6 - 17.8 | 37 | 60 | 51 | 52 | 47 | 41 | 36 |
| 915 x 610 | 0.557 | 1.52 | 806 | 2.3 | 7.6 - 12.3 - 23.1 | 3.2 | 5.9 - 9.5 - 17.9 | 4.0 | 3.4 - 5.5 - 10.4 | - | 34 | 21 | 23 | - | - | - |
| | | 2.23 | 1176 | 5.0 | 12.0 - 18.0 - 27.9 | 6.8 | 9.3 - 13.9 - 21.6 | 8.5 | 5.4 - 8.1 - 12.6 | 15 | 43 | 32 | 33 | 20 | - | - |
| | | 2.92 | 1544 | 8.6 | 15.7 - 22.6 - 32.0 | 11.6 | 12.2 - 17.5 - 24.8 | 14.7 | 7.1 - 10.2 - 14.4 | 23 | 49 | 39 | 40 | 30 | 19 | 13 |
| | | 3.62 | 1915 | 13.2 | 19.5 - 25.2 - 35.6 | 17.9 | 15.1 - 19.5 - 27.6 | 22.6 | 8.8 - 11.3 - 16.0 | 30 | 54 | 45 | 46 | 38 | 30 | 24 |
| | | 4.32 | 2283 | 18.7 | 22.4 - 27.5 - 38.9 | 25.4 | 17.4 - 21.3 - 30.1 | 32.2 | 10.1 - 12.4 - 17.5 | 35 | 59 | 50 | 51 | 45 | 38 | 33 |
| 762 x 762 | 0.581 | 1.52 | 841 | 2.3 | 7.7 - 12.6 - 23.6 | 3.2 | 6.0 - 9.8 - 18.3 | 4.0 | 3.5 - 5.7 - 10.6 | - | 34 | 22 | 23 | - | - | - |
| | | 2.23 | 1228 | 5.0 | 12.2 - 18.4 - 28.5 | 6.8 | 9.5 - 14.2 - 22.1 | 8.5 | 5.5 - 8.3 - 12.8 | 16 | 43 | 32 | 33 | 20 | - | - |
| | | 2.92 | 1612 | 8.6 | 16.1 - 23.1 - 32.7 | 11.6 | 12.5 - 17.9 - 25.3 | 14.7 | 7.2 - 10.4 - 14.7 | 24 | 50 | 39 | 40 | 30 | 19 | 13 |
| | | 3.62 | 1999 | 13.2 | 19.9 - 25.7 - 36.4 | 17.9 | 15.5 - 19.9 - 28.2 | 22.6 | 9.0 - 11.6 - 16.4 | 30 | 55 | 45 | 46 | 38 | 30 | 24 |
| | | 4.32 | 2383 | 18.7 | 22.9 - 28.1 - 39.7 | 25.4 | 17.8 - 21.8 - 30.8 | 32.2 | 10.3 - 12.6 - 17.9 | 35 | 59 | 50 | 51 | 45 | 38 | 33 |
| 915 x 712 | 0.650 | 1.52 | 944 | 2.3 | 8.2 - 13.3 - 25.0 | 3.2 | 6.4 - 10.3 - 19.4 | 4.0 | 3.7 - 6.0 - 11.3 | - | 35 | 22 | 23 | - | - | - |
| | | 2.23 | 1379 | 5.0 | 13.0 - 19.5 - 30.2 | 6.8 | 10.1 - 15.1 - 23.4 | 8.5 | 5.8 - 8.8 - 13.6 | 16 | 44 | 32 | 34 | 20 | - | - |
| | | 2.92 | 1810 | 8.6 | 17.0 - 24.5 - 34.6 | 11.6 | 13.2 - 19.0 - 26.8 | 14.7 | 7.7 - 11.0 - 15.6 | 24 | 50 | 40 | 41 | 31 | 20 | 14 |
| | | 3.62 | 2245 | 13.2 | 21.1 - 27.3 - 38.5 | 17.9 | 16.4 - 21.1 - 29.9 | 22.6 | 9.5 - 12.3 - 17.3 | 31 | 55 | 46 | 47 | 39 | 30 | 25 |
| | | 4.32 | 2676 | 18.7 | 24.3 - 29.8 - 42.1 | 25.4 | 18.8 - 23.1 - 32.6 | 32.2 | 10.9 - 13.4 - 18.9 | 36 | 59 | 51 | 51 | 45 | 39 | 34 |
| 1169 x 559 | 0.653 | 1.52 | 945 | 2.3 | 8.2 - 13.3 - 25.0 | 3.2 | 6.4 - 10.3 - 19.4 | 4.0 | 3.7 - 6.0 - 11.3 | - | 35 | 22 | 23 | - | - | - |
| | | 2.23 | 1380 | 5.0 | 13.0 - 19.5 - 30.2 | 6.8 | 10.1 - 15.1 - 23.4 | 8.5 | 5.8 - 8.8 - 13.6 | 16 | 44 | 32 | 34 | 20 | - | - |
| | | 2.92 | 1812 | 8.6 | 17.0 - 24.5 - 34.6 | 11.6 | 13.2 - 19.0 - 26.8 | 14.7 | 7.7 - 11.0 - 15.6 | 24 | 50 | 40 | 41 | 31 | 20 | 14 |
| | | 3.62 | 2247 | 13.2 | 21.1 - 27.3 - 38.6 | 17.9 | 16.4 - 21.1 - 29.9 | 22.6 | 9.5 - 12.3 - 17.4 | 31 | 55 | 46 | 47 | 39 | 30 | 25 |
| | | 4.32 | 2679 | 18.7 | 24.3 - 29.8 - 42.1 | 25.4 | 18.8 - 23.1 - 32.6 | 32.2 | 10.9 - 13.4 - 18.9 | 36 | 59 | 51 | 51 | 45 | 39 | 34 |
| 813 x 813 | 0.661 | 1.52 | 960 | 2.3 | 8.3 - 13.4 - 25.2 | 3.2 | 6.4 - 10.4 - 19.5 | 4.0 | 3.7 - 6.1 - 11.3 | - | 35 | 22 | 23 | - | - | - |
| | | 2.23 | 1402 | 5.0 | 13.1 - 19.6 - 30.5 | 6.8 | 10.1 - 15.2 - 23.6 | 8.5 | 5.9 - 8.8 - 13.7 | 16 | 44 | 33 | 34 | 21 | - | - |
| | | 2.92 | 1840 | 8.6 | 17.2 - 24.7 - 34.9 | 11.6 | 13.3 - 19.1 - 27.0 | 14.7 | 7.7 - 11.1 - 15.7 | 24 | 50 | 40 | 41 | 31 | 20 | 14 |
| | | 3.62 | 2282 | 13.2 | 21.3 - 27.5 - 38.9 | 17.9 | 16.5 - 21.3 - 30.1 | 22.6 | 9.6 - 12.4 - 17.5 | 31 | 55 | 46 | 47 | 39 | 30 | 25 |
| | | 4.32 | 2721 | 18.7 | 24.5 - 30.0 - 42.4 | 25.4 | 19.0 - 23.3 - 32.9 | 32.2 | 11.0 - 13.5 - 19.1 | 36 | 59 | 51 | 52 | 46 | 39 | 34 |
| 915 x 762 | 0.697 | 1.52 | 1014 | 2.3 | 8.5 - 13.8 - 25.9 | 3.2 | 6.6 - 10.7 - 20.1 | 4.0 | 3.8 - 6.2 - 11.7 | - | 35 | 22 | 24 | - | - | - |
| | | 2.23 | 1480 | 5.0 | 13.4 - 20.2 - 31.3 | 6.8 | 10.4 - 15.6 - 24.3 | 8.5 | 6.1 - 9.1 - 14.1 | 16 | 44 | 33 | 34 | 21 | - | - |
| | | 2.92 | 1943 | 8.6 | 17.7 - 25.4 - 35.9 | 11.6 | 13.7 - 19.7 - 27.8 | 14.7 | 7.9 - 11.4 - 16.1 | 24 | 50 | 40 | 41 | 31 | 20 | 14 |
| | | 3.62 | 2409 | 13.2 | 21.9 - 28.2 - 39.9 | 17.9 | 17.0 - 21.9 - 30.9 | 22.6 | 9.9 - 12.7 - 18.0 | 31 | 55 | 46 | 47 | 39 | 31 | 25 |
| | | 4.32 | 2872 | 18.7 | 25.2 - 30.8 - 43.6 | 25.4 | 19.5 - 23.9 - 33.8 | 32.2 | 11.3 - 13.9 - 19.6 | 36 | 60 | 51 | 52 | 46 | 39 | 34 |
| 915 x 813 | 0.743 | 1.52 | 1083 | 2.3 | 8.8 - 14.3 - 26.8 | 3.2 | 6.8 - 11.1 - 20.7 | 4.0 | 4.0 - 6.4 - 12.0 | - | 36 | 23 | 24 | - | - | - |
| | | 2.23 | 1581 | 5.0 | 13.9 - 20.8 - 32.4 | 6.8 | 10.8 - 16.2 - 25.1 | 8.5 | 6.3 - 9.4 - 14.6 | 17 | 44 | 33 | 34 | 21 | - | - |
| | | 2.92 | 2076 | 8.6 | 18.2 - 26.2 - 37.1 | 11.6 | 14.1 - 20.3 - 28.7 | 14.7 | 8.2 - 11.8 - 16.7 | 25 | 51 | 41 | 42 | 31 | 20 | 15 |
| | | 3.62 | 2574 | 13.2 | 22.6 - 29.2 - 41.3 | 17.9 | 17.5 - 22.6 - 32.0 | 22.6 | 10.2 - 13.1 - 18.6 | 31 | 56 | 46 | 47 | 39 | 31 | 25 |
| | | 4.32 | 3069 | 18.7 | 26.0 - 31.9 - 45.1 | 25.4 | 20.2 - 24.7 - 34.9 | 32.2 | 11.7 - 14.3 - 20.3 | 36 | 60 | 51 | 52 | 46 | 40 | 34 |

NOTE: See notes on page I1-62.

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SUPPLY GRILLES

AF80 - AF880

AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw
METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

| Nom Duct mm | Duct Area m ² | Neck Vel m/s | Air Flow L/s | 0° | | 22.5° | | 45° | | NC | Octave Band, dB | | | | | |
|-------------------|-----------------------------|-----------------|-----------------|------|--------------------|-------|--------------------|------|--------------------|----|-----------------|----|----|----|----|----|
| | | | | Pt | Throw | Pt | Throw | Pt | Throw | | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | Pa | m | Pa | m | Pa | m | | | | | | | |
| 864 x 864 | 0.746 | 1.52 | 1087 | 2.3 | 8.8 - 14.3 - 26.8 | 3.2 | 6.8 - 11.1 - 20.8 | 4.0 | 4.0 - 6.4 - 12.1 | - | 36 | 23 | 24 | - | - | - |
| | | 2.23 | 1587 | 5.0 | 13.9 - 20.9 - 32.4 | 6.8 | 10.8 - 16.2 - 25.1 | 8.5 | 6.3 - 9.4 - 14.6 | 17 | 44 | 33 | 34 | 21 | - | - |
| | | 2.92 | 2083 | 8.6 | 18.3 - 26.3 - 37.1 | 11.6 | 14.2 - 20.3 - 28.8 | 14.7 | 8.2 - 11.8 - 16.7 | 25 | 51 | 41 | 42 | 31 | 20 | 15 |
| | | 3.62 | 2583 | 13.2 | 22.7 - 29.2 - 41.4 | 17.9 | 17.6 - 22.7 - 32.0 | 22.6 | 10.2 - 13.2 - 18.6 | 31 | 56 | 46 | 47 | 39 | 31 | 25 |
| | | 4.32 | 3080 | 18.7 | 26.1 - 31.9 - 45.1 | 25.4 | 20.2 - 24.7 - 35.0 | 32.2 | 11.7 - 14.4 - 20.3 | 36 | 60 | 51 | 52 | 46 | 40 | 34 |
| 915 x 864 | 0.790 | 1.52 | 1152 | 2.3 | 9.1 - 14.7 - 27.6 | 3.2 | 7.0 - 11.4 - 21.4 | 4.0 | 4.1 - 6.6 - 12.4 | - | 36 | 23 | 24 | - | - | - |
| | | 2.23 | 1683 | 5.0 | 14.3 - 21.5 - 33.4 | 6.8 | 11.1 - 16.7 - 25.9 | 8.5 | 6.5 - 9.7 - 15.0 | 17 | 45 | 33 | 34 | 21 | - | - |
| | | 2.92 | 2209 | 8.6 | 18.8 - 27.0 - 38.2 | 11.6 | 14.6 - 21.0 - 29.6 | 14.7 | 8.5 - 12.2 - 17.2 | 25 | 51 | 41 | 42 | 32 | 21 | 15 |
| | | 3.62 | 2739 | 13.2 | 23.3 - 30.1 - 42.6 | 17.9 | 18.1 - 23.3 - 33.0 | 22.6 | 10.5 - 13.5 - 19.2 | 31 | 56 | 47 | 48 | 40 | 31 | 26 |
| | | 4.32 | 3265 | 18.7 | 26.8 - 32.9 - 46.5 | 25.4 | 20.8 - 25.5 - 36.0 | 32.2 | 12.1 - 14.8 - 20.9 | 37 | 60 | 52 | 52 | 46 | 40 | 35 |
| 1067 x 762 | 0.813 | 1.52 | 1186 | 2.3 | 9.2 - 14.9 - 28.0 | 3.2 | 7.1 - 11.6 - 21.7 | 4.0 | 4.1 - 6.7 - 12.6 | - | 36 | 23 | 24 | - | - | - |
| | | 2.23 | 1732 | 5.0 | 14.5 - 21.8 - 33.9 | 6.8 | 11.3 - 16.9 - 26.2 | 8.5 | 6.5 - 9.8 - 15.2 | 17 | 45 | 33 | 35 | 21 | - | - |
| | | 2.92 | 2274 | 8.6 | 19.1 - 27.4 - 38.8 | 11.6 | 14.8 - 21.3 - 30.1 | 14.7 | 8.6 - 12.3 - 17.5 | 25 | 51 | 41 | 42 | 32 | 21 | 15 |
| | | 3.62 | 2819 | 13.2 | 23.7 - 30.5 - 43.2 | 17.9 | 18.4 - 23.7 - 33.5 | 22.6 | 10.7 - 13.7 - 19.4 | 31 | 56 | 47 | 48 | 40 | 31 | 26 |
| | | 4.32 | 3361 | 18.7 | 27.2 - 33.4 - 47.2 | 25.4 | 21.1 - 25.8 - 36.6 | 32.2 | 12.3 - 15.0 - 21.2 | 37 | 60 | 52 | 52 | 46 | 40 | 35 |
| 915 x 915 | 0.836 | 1.52 | 1222 | 2.3 | 9.3 - 15.2 - 28.4 | 3.2 | 7.2 - 11.8 - 22.0 | 4.0 | 4.2 - 6.8 - 12.8 | - | 36 | 23 | 24 | - | - | - |
| | | 2.23 | 1784 | 5.0 | 14.8 - 22.1 - 34.4 | 6.8 | 11.4 - 17.2 - 26.6 | 8.5 | 6.6 - 10.0 - 15.5 | 17 | 45 | 34 | 35 | 22 | - | - |
| | | 2.92 | 2342 | 8.6 | 19.4 - 27.8 - 39.4 | 11.6 | 15.0 - 21.6 - 30.5 | 14.7 | 8.7 - 12.5 - 17.7 | 25 | 51 | 41 | 42 | 32 | 21 | 15 |
| | | 3.62 | 2904 | 13.2 | 24.0 - 31.0 - 43.8 | 17.9 | 18.6 - 24.0 - 34.0 | 22.6 | 10.8 - 13.9 - 19.7 | 32 | 56 | 47 | 48 | 40 | 31 | 26 |
| | | 4.32 | 3462 | 18.7 | 27.6 - 33.8 - 47.9 | 25.4 | 21.4 - 26.2 - 37.1 | 32.2 | 12.4 - 15.2 - 21.5 | 37 | 60 | 52 | 53 | 47 | 40 | 35 |
| 1220 x 762 | 0.929 | 1.52 | 1359 | 2.3 | 9.8 - 16.0 - 30.0 | 3.2 | 7.6 - 12.4 - 23.2 | 4.0 | 4.4 - 7.2 - 13.5 | - | 37 | 24 | 25 | - | - | - |
| | | 2.23 | 1984 | 5.0 | 15.6 - 23.4 - 36.2 | 6.8 | 12.1 - 18.1 - 28.1 | 8.5 | 7.0 - 10.5 - 16.3 | 17 | 45 | 34 | 35 | 22 | - | - |
| | | 2.92 | 2605 | 8.6 | 20.4 - 29.4 - 41.5 | 11.6 | 15.8 - 22.8 - 32.2 | 14.7 | 9.2 - 13.2 - 18.7 | 26 | 52 | 42 | 42 | 32 | 21 | 16 |
| | | 3.62 | 3230 | 13.2 | 25.3 - 32.7 - 46.2 | 17.9 | 19.6 - 25.3 - 35.8 | 22.6 | 11.4 - 14.7 - 20.8 | 32 | 57 | 47 | 48 | 40 | 32 | 26 |
| | | 4.32 | 3850 | 18.7 | 29.1 - 35.7 - 50.5 | 25.4 | 22.6 - 27.7 - 39.1 | 32.2 | 13.1 - 16.1 - 22.7 | 37 | 61 | 52 | 53 | 47 | 41 | 35 |
| 966 x 966 | 0.932 | 1.52 | 1364 | 2.3 | 9.9 - 16.0 - 30.0 | 3.2 | 7.6 - 12.4 - 23.3 | 4.0 | 4.4 - 7.2 - 13.5 | - | 37 | 24 | 25 | - | - | - |
| | | 2.23 | 1992 | 5.0 | 15.6 - 23.4 - 36.3 | 6.8 | 12.1 - 18.1 - 28.1 | 8.5 | 7.0 - 10.5 - 16.3 | 18 | 45 | 34 | 35 | 22 | - | - |
| | | 2.92 | 2615 | 8.6 | 20.5 - 29.4 - 41.6 | 11.6 | 15.9 - 22.8 - 32.2 | 14.7 | 9.2 - 13.2 - 18.7 | 26 | 52 | 42 | 43 | 32 | 21 | 16 |
| | | 3.62 | 3242 | 13.2 | 25.4 - 32.8 - 46.3 | 17.9 | 19.7 - 25.4 - 35.9 | 22.6 | 11.4 - 14.7 - 20.8 | 32 | 57 | 47 | 48 | 40 | 32 | 26 |
| | | 4.32 | 3865 | 18.7 | 29.2 - 35.8 - 50.6 | 25.4 | 22.6 - 27.7 - 39.2 | 32.2 | 13.1 - 16.1 - 22.8 | 37 | 61 | 52 | 53 | 47 | 41 | 35 |
| 1067 x 915 | 0.975 | 1.52 | 1430 | 2.3 | 10.1 - 16.4 - 30.8 | 3.2 | 7.8 - 12.7 - 23.8 | 4.0 | 4.5 - 7.4 - 13.8 | - | 37 | 24 | 25 | - | - | - |
| | | 2.23 | 2087 | 5.0 | 16.0 - 24.0 - 37.2 | 6.8 | 12.4 - 18.6 - 28.8 | 8.5 | 7.2 - 10.8 - 16.7 | 18 | 46 | 34 | 35 | 22 | - | - |
| | | 2.92 | 2740 | 8.6 | 21.0 - 30.1 - 42.6 | 11.6 | 16.2 - 23.3 - 33.0 | 14.7 | 9.4 - 13.6 - 19.2 | 26 | 52 | 42 | 43 | 32 | 21 | 16 |
| | | 3.62 | 3398 | 13.2 | 26.0 - 33.5 - 47.4 | 17.9 | 20.1 - 26.0 - 36.8 | 22.6 | 11.7 - 15.1 - 21.3 | 32 | 57 | 48 | 49 | 41 | 32 | 27 |
| | | 4.32 | 4051 | 18.7 | 29.9 - 36.6 - 51.8 | 25.4 | 23.2 - 28.4 - 40.1 | 32.2 | 13.5 - 16.5 - 23.3 | 38 | 61 | 52 | 53 | 47 | 41 | 36 |
| 1169 x 864 | 1.009 | 1.52 | 1479 | 2.3 | 10.3 - 16.7 - 31.3 | 3.2 | 8.0 - 12.9 - 24.3 | 4.0 | 4.6 - 7.5 - 14.1 | - | 37 | 24 | 25 | - | - | - |
| | | 2.23 | 2160 | 5.0 | 16.2 - 24.4 - 37.8 | 6.8 | 12.6 - 18.9 - 29.3 | 8.5 | 7.3 - 11.0 - 17.0 | 18 | 46 | 34 | 36 | 22 | - | - |
| | | 2.92 | 2835 | 8.6 | 21.3 - 30.6 - 43.3 | 11.6 | 16.5 - 23.7 - 33.6 | 14.7 | 9.6 - 13.8 - 19.5 | 26 | 52 | 42 | 43 | 33 | 22 | 16 |
| | | 3.62 | 3516 | 13.2 | 26.4 - 34.1 - 48.2 | 17.9 | 20.5 - 26.4 - 37.4 | 22.6 | 11.9 - 15.3 - 21.7 | 32 | 57 | 48 | 49 | 41 | 32 | 27 |
| | | 4.32 | 4191 | 18.7 | 30.4 - 37.2 - 52.7 | 25.4 | 23.6 - 28.9 - 40.8 | 32.2 | 13.7 - 16.8 - 23.7 | 38 | 61 | 53 | 53 | 47 | 41 | 36 |
| 1067 x 966 | 1.030 | 1.52 | 1511 | 2.3 | 10.4 - 16.9 - 31.6 | 3.2 | 8.0 - 13.1 - 24.5 | 4.0 | 4.7 - 7.6 - 14.2 | - | 37 | 24 | 25 | - | - | - |
| | | 2.23 | 2206 | 5.0 | 16.4 - 24.6 - 38.2 | 6.8 | 12.7 - 19.1 - 29.6 | 8.5 | 7.4 - 11.1 - 17.2 | 18 | 46 | 34 | 36 | 22 | - | - |
| | | 2.92 | 2896 | 8.6 | 21.6 - 31.0 - 43.8 | 11.6 | 16.7 - 24.0 - 33.9 | 14.7 | 9.7 - 13.9 - 19.7 | 26 | 52 | 42 | 43 | 33 | 22 | 16 |
| | | 3.62 | 3591 | 13.2 | 26.7 - 34.5 - 48.7 | 17.9 | 20.7 - 26.7 - 37.8 | 22.6 | 12.0 - 15.5 - 21.9 | 32 | 57 | 48 | 49 | 41 | 32 | 27 |
| | | 4.32 | 4281 | 18.7 | 30.7 - 37.6 - 53.2 | 25.4 | 23.8 - 29.2 - 41.3 | 32.2 | 13.8 - 16.9 - 24.0 | 38 | 61 | 53 | 54 | 47 | 41 | 36 |
| 1016 x 1016 | 1.032 | 1.52 | 1515 | 2.3 | 10.4 - 16.9 - 31.7 | 3.2 | 8.1 - 13.1 - 24.5 | 4.0 | 4.7 - 7.6 - 14.2 | - | 37 | 24 | 25 | - | - | - |
| | | 2.23 | 2211 | 5.0 | 16.4 - 24.7 - 38.3 | 6.8 | 12.7 - 19.1 - 29.7 | 8.5 | 7.4 - 11.1 - 17.2 | 18 | 46 | 34 | 36 | 22 | - | - |
| | | 2.92 | 2903 | 8.6 | 21.6 - 31.0 - 43.8 | 11.6 | 16.7 - 24.0 - 34.0 | 14.7 | 9.7 - 13.9 - 19.7 | 26 | 52 | 42 | 43 | 33 | 22 | 16 |
| | | 3.62 | 3600 | 13.2 | 26.8 - 34.5 - 48.8 | 17.9 | 20.7 - 26.7 - 37.8 | 22.6 | 12.0 - 15.5 - 22.0 | 33 | 57 | 48 | 49 | 41 | 32 | 27 |
| | | 4.32 | 4292 | 18.7 | 30.8 - 37.7 - 53.3 | 25.4 | 23.8 - 29.2 - 41.3 | 32.2 | 13.8 - 17.0 - 24.0 | 38 | 61 | 53 | 54 | 47 | 41 | 36 |
| 1220 x 915 | 1.115 | 1.52 | 1638 | 2.3 | 10.8 - 17.6 - 32.9 | 3.2 | 8.4 - 13.6 - 25.5 | 4.0 | 4.9 - 7.9 - 14.8 | - | 37 | 24 | 26 | - | - | - |
| | | 2.23 | 2391 | 5.0 | 17.1 - 25.6 - 39.8 | 6.8 | 13.2 - 19.9 - 30.8 | 8.5 | 7.7 - 11.5 - 17.9 | 18 | 46 | 35 | 36 | 23 | - | - |
| | | 2.92 | 3139 | 8.6 | 22.4 - 32.2 - 45.6 | 11.6 | 17.4 - 25.0 - 35.3 | 14.7 | 10.1 - 14.5 - 20.5 | 26 | 53 | 42 | 43 | 33 | 22 | 16 |
| | | 3.62 | 3892 | 13.2 | 27.8 - 35.9 - 50.8 | 17.9 | 21.6 - 27.8 - 39.3 | 22.6 | 12.5 - 16.2 - 22.8 | 33 | 58 | 48 | 49 | 41 | 33 | 27 |
| | | 4.32 | 4640 | 18.7 | 32.0 - 39.2 - 55.4 | 25.4 | 24.8 - 30.4 - 42.9 | 32.2 | 14.4 - 17.6 - 24.9 | 38 | 62 | 53 | 54 | 48 | 41 | 36 |

NOTE: See notes on page 11-62.

AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

| Nom Duct mm | Duct Area m ² | Neck Vel m/s | Air Flow L/s | 0° | | | 22.5° | | | 45° | | | NC | Octave Band, dB | | | | | |
|-------------------|-----------------------------|-----------------|-----------------|------|--------------------|------|--------------------|-------|--------------------|-----|-------|----|----|-----------------|----|----|---|---|---|
| | | | | Pt | Throw | | Pt | Throw | | Pt | Throw | | | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | Pa | m | | Pa | m | | Pa | m | | | | | | | | |
| 1067 x 1067 | 1.138 | 1.52 | 1673 | 2.3 | 10.9 - 17.7 - 33.3 | 3.2 | 8.5 - 13.8 - 25.8 | 4.0 | 4.9 - 8.0 - 15.0 | - | 37 | 25 | 26 | - | - | - | | | |
| | | 2.23 | 2443 | 5.0 | 17.3 - 25.9 - 40.2 | 6.8 | 13.4 - 20.1 - 31.2 | 8.5 | 7.8 - 11.7 - 18.1 | 18 | 46 | 35 | 36 | 23 | - | - | | | |
| | | 2.92 | 3207 | 8.6 | 22.7 - 32.6 - 46.1 | 11.6 | 17.6 - 25.2 - 35.7 | 14.7 | 10.2 - 14.7 - 20.7 | 26 | 53 | 42 | 43 | 33 | 22 | 16 | | | |
| | | 3.62 | 3976 | 13.2 | 28.1 - 36.3 - 51.3 | 17.9 | 21.8 - 28.1 - 39.8 | 22.6 | 12.7 - 16.3 - 23.1 | 33 | 58 | 48 | 49 | 41 | 33 | 27 | | | |
| | | 4.32 | 4740 | 18.7 | 32.3 - 39.6 - 56.0 | 25.4 | 25.1 - 30.7 - 43.4 | 32.2 | 14.6 - 17.8 - 25.2 | 38 | 62 | 53 | 54 | 48 | 41 | 36 | | | |
| 1118 x 1118 | 1.249 | 1.52 | 1839 | 2.3 | 11.5 - 18.6 - 34.9 | 3.2 | 8.9 - 14.4 - 27.0 | 4.0 | 5.2 - 8.4 - 15.7 | - | 38 | 25 | 26 | - | - | - | | | |
| | | 2.10 | 2532 | 4.4 | 17.1 - 25.6 - 40.9 | 6.0 | 13.2 - 19.9 - 31.7 | 7.6 | 7.7 - 11.5 - 18.4 | 17 | 45 | 34 | 35 | 21 | - | - | | | |
| | | 2.67 | 3219 | 7.1 | 21.7 - 32.6 - 46.2 | 9.7 | 16.8 - 25.2 - 35.8 | 12.3 | 9.8 - 14.7 - 20.8 | 24 | 51 | 40 | 41 | 30 | 18 | 12 | | | |
| | | 3.24 | 3911 | 10.5 | 26.4 - 36.0 - 50.9 | 14.3 | 20.4 - 27.9 - 39.4 | 18.1 | 11.9 - 16.2 - 22.9 | 30 | 55 | 46 | 47 | 38 | 28 | 22 | | | |
| | | 4.06 | 4904 | 16.6 | 32.9 - 40.3 - 57.0 | 22.5 | 25.5 - 31.2 - 44.2 | 28.5 | 14.8 - 18.1 - 25.6 | 37 | 61 | 52 | 53 | 46 | 39 | 34 | | | |
| 1220 x 1067 | 1.301 | 1.52 | 1916 | 2.3 | 11.7 - 19.0 - 35.6 | 3.2 | 9.1 - 14.7 - 27.6 | 4.0 | 5.3 - 8.5 - 16.0 | - | 38 | 25 | 26 | - | - | - | | | |
| | | 2.10 | 2638 | 4.4 | 17.4 - 26.2 - 41.8 | 6.0 | 13.5 - 20.3 - 32.4 | 7.6 | 7.8 - 11.8 - 18.8 | 17 | 45 | 34 | 35 | 21 | - | - | | | |
| | | 2.67 | 3354 | 7.1 | 22.2 - 33.2 - 47.1 | 9.7 | 17.2 - 25.8 - 36.5 | 12.3 | 10.0 - 15.0 - 21.2 | 24 | 51 | 40 | 42 | 30 | 18 | 12 | | | |
| | | 3.24 | 4075 | 10.5 | 26.9 - 36.7 - 51.9 | 14.3 | 20.9 - 28.5 - 40.3 | 18.1 | 12.1 - 16.5 - 23.4 | 30 | 56 | 46 | 47 | 38 | 28 | 22 | | | |
| | | 4.06 | 5110 | 16.6 | 33.6 - 41.1 - 58.2 | 22.5 | 26.0 - 31.9 - 45.1 | 28.5 | 15.1 - 18.5 - 26.2 | 37 | 61 | 52 | 53 | 46 | 39 | 34 | | | |
| 1169 x 1169 | 1.365 | 1.52 | 2013 | 2.3 | 12.0 - 19.5 - 36.5 | 3.2 | 9.3 - 15.1 - 28.3 | 4.0 | 5.4 - 8.8 - 16.4 | - | 38 | 25 | 27 | - | - | - | | | |
| | | 2.10 | 2772 | 4.4 | 17.9 - 26.8 - 42.8 | 6.0 | 13.8 - 20.8 - 33.2 | 7.6 | 8.0 - 12.1 - 19.3 | 17 | 46 | 34 | 35 | 22 | - | - | | | |
| | | 2.67 | 3523 | 7.1 | 22.7 - 34.1 - 48.3 | 9.7 | 17.6 - 26.4 - 37.4 | 12.3 | 10.2 - 15.3 - 21.7 | 25 | 51 | 41 | 42 | 31 | 18 | 13 | | | |
| | | 3.24 | 4281 | 10.5 | 27.6 - 37.6 - 53.2 | 14.3 | 21.4 - 29.2 - 41.3 | 18.1 | 12.4 - 16.9 - 24.0 | 30 | 56 | 46 | 47 | 38 | 28 | 23 | | | |
| | | 4.06 | 5369 | 16.6 | 34.4 - 42.2 - 59.6 | 22.5 | 26.7 - 32.7 - 46.2 | 28.5 | 15.5 - 19.0 - 26.8 | 37 | 61 | 52 | 53 | 46 | 39 | 34 | | | |
| 1220 x 1169 | 1.425 | 1.52 | 2102 | 2.3 | 12.2 - 19.9 - 37.3 | 3.2 | 9.5 - 15.4 - 28.9 | 4.0 | 5.5 - 9.0 - 16.8 | - | 38 | 26 | 27 | - | - | - | | | |
| | | 2.10 | 2894 | 4.4 | 18.3 - 27.4 - 43.8 | 6.0 | 14.2 - 21.2 - 33.9 | 7.6 | 8.2 - 12.3 - 19.7 | 18 | 46 | 34 | 35 | 22 | - | - | | | |
| | | 2.67 | 3679 | 7.1 | 23.2 - 34.8 - 49.3 | 9.7 | 18.0 - 27.0 - 38.2 | 12.3 | 10.4 - 15.7 - 22.2 | 25 | 51 | 41 | 42 | 31 | 19 | 13 | | | |
| | | 3.24 | 4471 | 10.5 | 28.2 - 38.5 - 54.4 | 14.3 | 21.9 - 29.8 - 42.2 | 18.1 | 12.7 - 17.3 - 24.5 | 31 | 56 | 46 | 47 | 38 | 28 | 23 | | | |
| | | 4.06 | 5606 | 16.6 | 35.2 - 43.1 - 60.9 | 22.5 | 27.3 - 33.4 - 47.2 | 28.5 | 15.8 - 19.4 - 27.4 | 37 | 61 | 52 | 53 | 47 | 39 | 34 | | | |
| 1220 x 1220 | 1.486 | 1.52 | 2195 | 2.3 | 12.5 - 20.3 - 38.1 | 3.2 | 9.7 - 15.8 - 29.5 | 4.0 | 5.6 - 9.1 - 17.2 | - | 39 | 26 | 27 | - | - | - | | | |
| | | 2.10 | 3022 | 4.4 | 18.7 - 28.0 - 44.7 | 6.0 | 14.5 - 21.7 - 34.7 | 7.6 | 8.4 - 12.6 - 20.1 | 18 | 46 | 34 | 36 | 22 | - | - | | | |
| | | 2.67 | 3841 | 7.1 | 23.7 - 35.6 - 50.4 | 9.7 | 18.4 - 27.6 - 39.1 | 12.3 | 10.7 - 16.0 - 22.7 | 25 | 52 | 41 | 42 | 31 | 19 | 13 | | | |
| | | 3.24 | 4668 | 10.5 | 28.8 - 39.3 - 55.6 | 14.3 | 22.3 - 30.5 - 43.1 | 18.1 | 13.0 - 17.7 - 25.0 | 31 | 56 | 46 | 47 | 38 | 28 | 23 | | | |
| | | 4.06 | 5854 | 16.6 | 35.9 - 44.0 - 62.2 | 22.5 | 27.9 - 34.1 - 48.2 | 28.5 | 16.2 - 19.8 - 28.0 | 37 | 61 | 53 | 53 | 47 | 40 | 34 | | | |

NOTES: Throw values are given for terminal velocities of 0.75, 0.50, and 0.25 m/s. Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection software for performance data not shown, including octave band data.

SUPPLY GRILLES

AF80 - AF880