

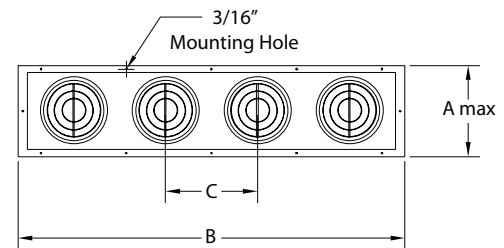
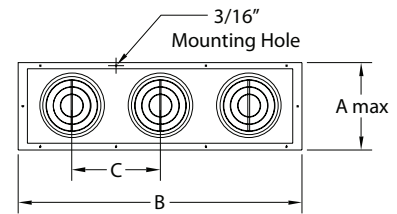
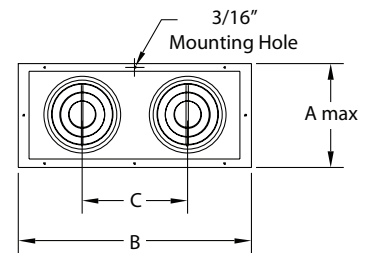
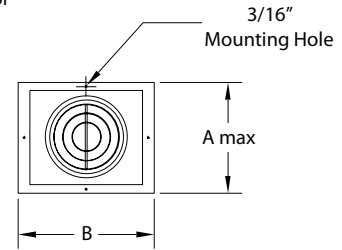
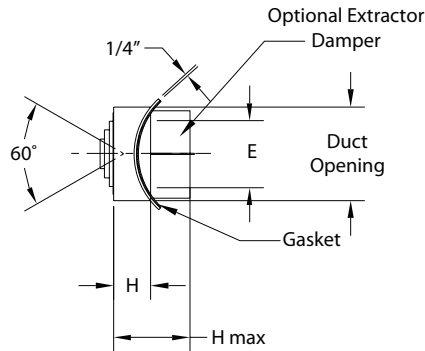
AIRCONCEPTS

AIR DISTRIBUTION PRODUCTS



ANC-C SERIES

ANC-C



APL-C Dimensions in Inches

| MODEL | E | #PER PANEL | C | A-MAX | B | H | H-MAX | DUCT OPENING | MIN. DUCT DIA. |
|-----------|----|------------|----|-------|--------|---|---------------------------------|--------------|----------------|
| ANC-04C-1 | 4 | 1 | - | 9 | 9 | 3 | 10 ³ / ₁₆ | 7 x 7 | 8 |
| ANC-04C-2 | 4 | 2 | 6 | 9 | 17 1/2 | 3 | 10 ³ / ₁₆ | 7 x 15 1/2 | 8 |
| ANC-04C-3 | 4 | 3 | 6 | 9 | 22 1/2 | 3 | 10 ³ / ₁₆ | 7 x 20 1/2 | 8 |
| ANC-04C-4 | 4 | 4 | 6 | 9 | 28 1/2 | 3 | 10 ³ / ₁₆ | 7 x 26 1/2 | 8 |
| ANC-05C-1 | 5 | 1 | - | 10 | 10 | 3 | 11 ¹ / ₁₆ | 8 x 8 | 8 |
| ANC-05C-2 | 5 | 2 | 8 | 10 | 20 1/2 | 3 | 11 ¹ / ₁₆ | 8 x 18 1/2 | 8 |
| ANC-05C-3 | 5 | 3 | 8 | 10 | 26 1/2 | 3 | 11 ¹ / ₁₆ | 8 x 24 1/2 | 8 |
| ANC-05C-4 | 5 | 4 | 8 | 10 | 34 1/2 | 3 | 11 ¹ / ₁₆ | 8 x 32 1/2 | 8 |
| ANC-06C-1 | 6 | 1 | - | 11 | 11 | 3 | 12 | 9 x 9 | 10 |
| ANC-06C-2 | 6 | 2 | 9 | 11 | 21 1/2 | 3 | 12 | 9 x 19 1/2 | 10 |
| ANC-06C-3 | 6 | 3 | 9 | 11 | 30 1/2 | 3 | 12 | 9 x 28 1/2 | 10 |
| ANC-06C-4 | 6 | 4 | 9 | 11 | 39 1/2 | 3 | 12 | 9 x 37 1/2 | 10 |
| ANC-08C-1 | 8 | 1 | - | 13 | 13 | 4 | 12 ³ / ₄ | 11 x 11 | 12 |
| ANC-08C-2 | 8 | 2 | 12 | 13 | 26 1/2 | 4 | 12 ³ / ₄ | 11 x 24 1/2 | 12 |
| ANC-08C-3 | 8 | 3 | 12 | 13 | 38 1/2 | 4 | 12 ³ / ₄ | 11 x 36 1/2 | 12 |
| ANC-08C-4 | 8 | 4 | 12 | 13 | 50 1/2 | 4 | 12 ³ / ₄ | 11 x 48 1/2 | 12 |
| ANC-10C-1 | 10 | 1 | - | 15 | 15 | 4 | 14 1/2 | 13 x 13 | 14 |
| ANC-10C-2 | 10 | 2 | 13 | 15 | 29 1/2 | 4 | 14 1/2 | 13 x 27 1/2 | 14 |
| ANC-10C-3 | 10 | 3 | 13 | 15 | 42 1/2 | 4 | 14 1/2 | 13 x 40 1/2 | 14 |
| ANC-10C-4 | 10 | 4 | 13 | 15 | 55 1/2 | 4 | 14 1/2 | 13 x 53 1/2 | 14 |
| ANC-12C-1 | 12 | 1 | - | 17 | 17 | 4 | 16 1/8 | 15 x 15 | 18 |
| ANC-12C-2 | 12 | 2 | 15 | 17 | 33 1/2 | 4 | 16 1/8 | 15 x 31 1/2 | 18 |
| ANC-12C-3 | 12 | 3 | 15 | 17 | 48 1/2 | 4 | 16 1/8 | 15 x 46 1/2 | 18 |
| ANC-12C-4 | 12 | 4 | 15 | 17 | 63 1/2 | 4 | 16 1/8 | 15 x 61 1/2 | 18 |

Adjustability

Easy Finger Tip Adjustment
 Directional Air Pattern Control:
 70° Degree Global Rotation
 ±35° Degree Deflection
 360° Degree Rotation

Construction

Aluminum
 Foam Gasket

Finishes

Standard: #52 White powder coat
 Optional standard:
 #42 Gloss black powder coat
 #43 Flat black powder coat
 #62 Grey prime powder coat
 #72 Silver metallic powder coat
 Custom colors available

| MODEL | Nozzle Velocity (FPM) | 573 | 860 | 1147 | 1433 | 1720 | 2007 | 2294 |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|
| ANC-04C-1 | CFM | 50 | 75 | 100 | 125 | 150 | 175 | 200 |
| | Projection | 4-8-13 | 6-12-16 | 8-13-19 | 10-15-21 | 12-16-23 | 13-18-25 | 13-19-27 |
| | Total Pressure | 0.036 | 0.081 | 0.144 | 0.225 | 0.324 | 0.441 | 0.576 |
| | NC | <20 | <20 | <20 | 25 | 30 | 35 | 39 |
| ANC-04C-2 | CFM | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| | Projection | 6-11-19 | 9-16-23 | 11-19-27 | 14-21-30 | 16-23-33 | 18-25-36 | 19-27-38 |
| | Total Pressure | 0.036 | 0.081 | 0.144 | 0.225 | 0.324 | 0.441 | 0.576 |
| | NC | <20 | <20 | 21 | 28 | 33 | 38 | 42 |
| ANC-04C-3 | CFM | 150 | 225 | 300 | 375 | 450 | 525 | 600 |
| | Projection | 7-14-23 | 11-20-29 | 14-23-33 | 18-26-37 | 20-29-40 | 22-31-44 | 23-33-47 |
| | Total Pressure | 0.036 | 0.081 | 0.144 | 0.225 | 0.324 | 0.441 | 0.576 |
| | NC | <20 | <20 | 23 | 30 | 35 | 40 | 44 |
| ANC-04C-4 | CFM | 200 | 300 | 400 | 500 | 600 | 700 | 800 |
| | Projection | 8-16-27 | 12-23-33 | 16-27-38 | 20-30-43 | 23-33-47 | 25-36-50 | 27-38-54 |
| | Total Pressure | 0.036 | 0.081 | 0.144 | 0.225 | 0.324 | 0.441 | 0.576 |
| | NC | <20 | <20 | 24 | 31 | 36 | 41 | 45 |
| MODEL | Nozzle Velocity (FPM) | 807 | 1028 | 1248 | 1468 | 1688 | 1908 | 2128 |
| ANC-05C-1 | CFM | 110 | 140 | 170 | 200 | 230 | 260 | 290 |
| | Projection | 7-14-20 | 9-16-23 | 11-18-25 | 13-19-27 | 14-20-29 | 15-22-31 | 16-23-32 |
| | Total Pressure | 0.071 | 0.116 | 0.170 | 0.236 | 0.312 | 0.399 | 0.496 |
| | NC | <20 | <20 | 23 | 28 | 32 | 36 | 39 |
| ANC-05C-2 | CFM | 220 | 280 | 340 | 400 | 460 | 520 | 580 |
| | Projection | 10-20-28 | 13-23-32 | 16-25-35 | 18-27-38 | 20-29-41 | 22-31-43 | 23-32-46 |
| | Total Pressure | 0.071 | 0.116 | 0.170 | 0.236 | 0.312 | 0.399 | 0.496 |
| | NC | <20 | 20 | 26 | 31 | 35 | 39 | 42 |
| ANC-05C-3 | CFM | 330 | 420 | 510 | 600 | 690 | 780 | 870 |
| | Projection | 12-24-35 | 16-28-39 | 19-30-43 | 22-33-47 | 25-35-50 | 27-38-53 | 28-40-56 |
| | Total Pressure | 0.071 | 0.116 | 0.170 | 0.236 | 0.312 | 0.399 | 0.496 |
| | NC | <20 | 22 | 27 | 32 | 37 | 40 | 44 |
| ANC-05C-4 | CFM | 440 | 560 | 680 | 800 | 920 | 1040 | 1160 |
| | Projection | 14-28-40 | 18-32-45 | 22-35-50 | 26-38-54 | 29-41-58 | 31-43-61 | 32-46-65 |
| | Total Pressure | 0.071 | 0.116 | 0.170 | 0.236 | 0.312 | 0.399 | 0.496 |
| | NC | <20 | 23 | 29 | 34 | 38 | 42 | 45 |

performance data based on ASHRAE 70-06

performance data based on ASHRAE 70-06

Airflow CFM: Standard air density and isothermal conditions.

Static Pressure: Inches of water gauge required.

Nozzle Velocity: Nozzle Discharge Velocity in feet per minute [fpm].

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.

Projection: Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100 fpm, and 50 fpm respectively.

| MODEL | Nozzle Velocity (FPM) | 714 | 917 | 1121 | 1352 | 1529 | 1733 | 1937 |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|
| ANC-06C-1 | CFM | 140 | 180 | 220 | 260 | 300 | 340 | 380 |
| | Projection | 8-15-23 | 10-18-26 | 12-20-28 | 14-22-31 | 16-23-33 | 18-25-35 | 19-26-37 |
| | Total Pressure | 0.056 | 0.092 | 0.138 | 0.192 | 0.256 | 0.329 | 0.411 |
| | NC | <20 | <20 | 21 | 26 | 30 | 34 | 38 |
| ANC-06C-2 | CFM | 280 | 360 | 440 | 520 | 600 | 680 | 760 |
| | Projection | 11-21-32 | 14-26-36 | 17-28-40 | 20-31-43 | 23-33-47 | 25-35-50 | 26-37-53 |
| | Total Pressure | 0.056 | 0.092 | 0.138 | 0.192 | 0.256 | 0.329 | 0.411 |
| | NC | <20 | <20 | 24 | 29 | 33 | 37 | 41 |
| ANC-06C-3 | CFM | 420 | 540 | 660 | 780 | 900 | 1020 | 1140 |
| | Projection | 13-26-39 | 17-31-44 | 21-35-49 | 24-38-53 | 28-40-57 | 30-43-61 | 32-45-64 |
| | Total Pressure | 0.056 | 0.092 | 0.138 | 0.192 | 0.256 | 0.329 | 0.411 |
| | NC | <20 | 20 | 26 | 31 | 35 | 39 | 42 |
| ANC-06C-4 | CFM | 560 | 720 | 880 | 1040 | 1200 | 1360 | 1520 |
| | Projection | 15-30-45 | 19-36-51 | 24-40-57 | 28-43-61 | 32-47-66 | 35-50-70 | 37-53-74 |
| | Total Pressure | 0.056 | 0.092 | 0.138 | 0.192 | 0.256 | 0.329 | 0.411 |
| | NC | <20 | 21 | 27 | 32 | 36 | 40 | 44 |
| MODEL | Nozzle Velocity (FPM) | 573 | 717 | 860 | 1003 | 1147 | 1290 | 1433 |
| ANC-08C-1 | CFM | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| | Projection | 8-16-27 | 10-20-30 | 12-23-33 | 14-25-36 | 16-27-38 | 18-29-40 | 20-30-43 |
| | Total Pressure | 0.036 | 0.056 | 0.081 | 0.110 | 0.144 | 0.182 | 0.225 |
| | NC | <20 | <20 | <20 | 20 | 24 | 28 | 31 |
| ANC-08C-2 | CFM | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| | Projection | 11-23-38 | 14-29-43 | 17-33-47 | 20-36-50 | 23-38-54 | 26-40-57 | 29-43-60 |
| | Total Pressure | 0.036 | 0.056 | 0.081 | 0.110 | 0.144 | 0.182 | 0.225 |
| | NC | <20 | <20 | <20 | 23 | 27 | 31 | 34 |
| ANC-08C-3 | CFM | 600 | 750 | 900 | 1050 | 1200 | 1350 | 1500 |
| | Projection | 14-28-47 | 18-35-52 | 21-40-57 | 25-44-62 | 28-47-66 | 32-49-70 | 35-52-74 |
| | Total Pressure | 0.036 | 0.056 | 0.081 | 0.110 | 0.144 | 0.182 | 0.225 |
| | NC | <20 | <20 | 20 | 25 | 29 | 32 | 36 |
| ANC-08C-4 | CFM | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 |
| | Projection | 16-32-54 | 20-40-60 | 24-47-66 | 28-50-71 | 32-54-76 | 36-57-81 | 40-60-85 |
| | Total Pressure | 0.036 | 0.056 | 0.081 | 0.110 | 0.144 | 0.182 | 0.225 |
| | NC | <20 | <20 | 21 | 26 | 30 | 34 | 37 |

performance data based on ASHRAE 70-06

Airflow CFM: Standard air density and isothermal conditions.

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.

Total Pressure: Inches of water gauge required.

Projection: Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Nozzle Velocity: Nozzle Discharge Velocity in feet per minute [fpm].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100 fpm, and 50 fpm respectively.

| MODEL | Nozzle Velocity (FPM) | 550 | 734 | 917 | 1101 | 1284 | 1468 | 1651 |
|------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| ANC-10C-1 | CFM | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| | Projection | 10-19-33 | 13-26-38 | 16-30-43 | 19-33-47 | 23-36-50 | 26-38-54 | 29-40-57 |
| | Total Pressure | 0.033 | 0.059 | 0.092 | 0.133 | 0.181 | 0.236 | 0.299 |
| | NC | <20 | <20 | <20 | 25 | 30 | 34 | 37 |
| ANC-10C-2 | CFM | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| | Projection | 14-27-47 | 18-37-54 | 23-43-60 | 27-47-66 | 32-50-71 | 37-54-76 | 40-57-81 |
| | Total Pressure | 0.033 | 0.059 | 0.092 | 0.133 | 0.181 | 0.236 | 0.299 |
| | NC | <20 | <20 | 22 | 28 | 32 | 37 | 40 |
| ANC-10C-3 | CFM | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 |
| | Projection | 17-34-57 | 22-45-66 | 28-52-74 | 34-57-81 | 39-62-87 | 45-66-93 | 49-70-99 |
| | Total Pressure | 0.033 | 0.059 | 0.092 | 0.133 | 0.181 | 0.236 | 0.299 |
| | NC | <20 | <20 | 24 | 30 | 34 | 38 | 42 |
| ANC-10C-4 | CFM | 1200 | 1600 | 2000 | 2400 | 2800 | 3200 | 3600 |
| | Projection | 19-39-66 | 26-52-76 | 32-60-85 | 39-66-93 | 45-71-101 | 52-76-108 | 57-81-114 |
| | Total Pressure | 0.033 | 0.059 | 0.092 | 0.133 | 0.181 | 0.236 | 0.299 |
| | NC | <20 | 20 | 25 | 31 | 35 | 40 | 43 |
| MODEL | Nozzle Velocity (FPM) | 573 | 765 | 956 | 1147 | 1338 | 1529 | 1720 |
| ANC-12C-1 | CFM | 450 | 600 | 750 | 900 | 1050 | 1200 | 1350 |
| | Projection | 12-24-40 | 16-32-47 | 20-37-52 | 24-40-57 | 28-44-62 | 32-47-66 | 35-49-70 |
| | Total Pressure | 0.036 | 0.064 | 0.100 | 0.144 | 0.196 | 0.256 | 0.324 |
| | NC | <20 | <20 | 22 | 28 | 32 | 39 | 40 |
| ANC-12C-2 | CFM | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 |
| | Projection | 17-34-57 | 23-46-66 | 29-52-74 | 34-57-81 | 40-62-87 | 46-66-93 | 49-70-99 |
| | Total Pressure | 0.036 | 0.064 | 0.100 | 0.144 | 0.196 | 0.256 | 0.324 |
| | NC | <20 | <20 | 25 | 31 | 35 | 39 | 43 |
| ANC-12C-3 | CFM | 1350 | 1800 | 2250 | 2700 | 3150 | 3600 | 4050 |
| | Projection | 21-42-70 | 28-56-81 | 35-64-90 | 42-70-99 | 49-76-107 | 56-81-114 | 61-86-121 |
| | Total Pressure | 0.036 | 0.064 | 0.100 | 0.144 | 0.196 | 0.256 | 0.324 |
| | NC | <20 | 21 | 27 | 32 | 37 | 41 | 45 |
| ANC-12C-4 | CFM | 1800 | 2400 | 3000 | 3600 | 4200 | 4800 | 5400 |
| | Projection | 24-49-81 | 32-65-93 | 40-74-104 | 49-81-114 | 57-87-123 | 65-93-132 | 70-99-140 |
| | Total Pressure | 0.036 | 0.064 | 0.100 | 0.144 | 0.196 | 0.256 | 0.324 |
| | NC | <20 | 22 | 28 | 34 | 38 | 42 | 46 |

performance data based on ASHRAE 70-06

Airflow CFM: Standard air density and isothermal conditions.

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.

Total Pressure: Inches of water gauge required.

Projection: Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Nozzle Velocity: Nozzle Discharge Velocity in feet per minute [fpm].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100 fpm, and 50 fpm respectively.