

MODEL

- CRNP - Concentric ring nozzle, panel mounted
- 5CRNP - Concentric ring nozzle, panel mounted

FEATURES

- Steel (CRNP) or aluminum (5CRNP) construction
- Directional air pattern control (60° axial adjustment with 360° of rotation)
- For use in surface mount applications

SIZES¹

- Round: 4" - 24" (2" increments), 5"^{1 2}

PANELS

- 1 - Single unit per panel²
- 2 - Two units per panel
- 3 - Three units per panel
- 4 - Four units per panel

NOTES:

¹ Nominal size and duct size are not the same.

² Sizes 20, 22, and 24 only available with Panel 1.

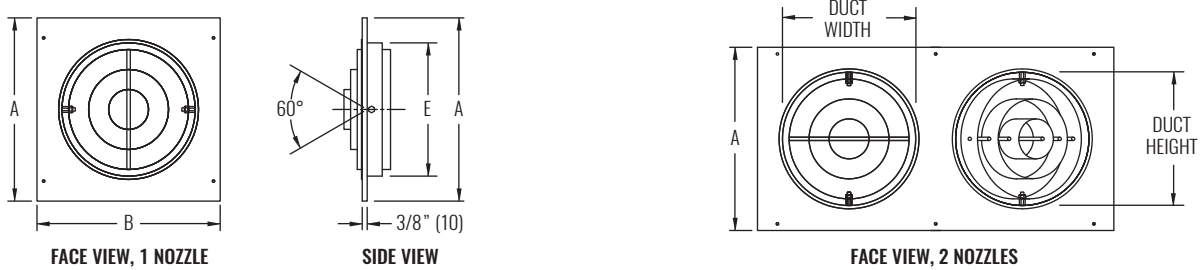
**WEB SEARCH:** CRNP or 5CRNP

CRNP / 5CRNP

Concentric Ring, Panel Mount



DIMENSIONAL DATA



| SIZE | DIMENSIONS | | | | | |
|------|----------------|-----------|-----------|-----------|-----------|-----------|
| NOM. | NO. OF NOZZLES | E | A | B | DUCT H | DUCT W |
| 5" | 1 | 5" (127) | 10" (254) | 10" (254) | 8" (203) | 8" (203) |
| 6" | 1 | 6" (152) | 10" (254) | 10" (254) | 8" (203) | 8" (203) |
| 8" | 1 | 8" (203) | 12" (305) | 12" (305) | 10" (254) | 10" (254) |
| 10" | 1 | 10" (254) | 14" (356) | 14" (356) | 12" (305) | 12" (305) |
| 12" | 1 | 12" (305) | 16" (406) | 16" (406) | 14" (356) | 14" (356) |
| 14" | 1 | 14" (356) | 18" (457) | 18" (457) | 16" (406) | 16" (406) |

| SIZE | DIMENSIONS | | | | | |
|------|----------------|-----------|-----------|-----------|-----------|-----------|
| NOM. | NO. OF NOZZLES | E | A | B | DUCT H | DUCT W |
| 5" | 2 | 5" (127) | 10" (254) | 18" (457) | 8" (203) | 16" (406) |
| 6" | 2 | 6" (152) | 10" (254) | 19" (483) | 8" (203) | 17" (432) |
| 8" | 2 | 8" (203) | 12" (305) | 24" (610) | 10" (254) | 22" (559) |
| 10" | 2 | 10" (254) | 14" (356) | 27" (686) | 12" (305) | 25" (635) |
| 12" | 2 | 12" (305) | 16" (406) | 31" (787) | 14" (356) | 29" (737) |
| 14" | 2 | 14" (356) | 18" (457) | 35" (889) | 16" (406) | 33" (838) |

NOTES: Dimensions in parentheses are millimeters (mm). Number of rings varies with element size. See website for 3 and 4 element panel dimensional data.

PERFORMANCE DATA

| SIZE | PERFORMANCE | | | | | | | |
|----------------------|-------------|----------------------------|-----------------------|-----------------------------|--------------|-----------------------------|-----------------------|-----------------------------|
| | NC (< 25) | | | | NC (25 - 40) | | | |
| NOMINAL ¹ | CFM | -20°ΔT VERTICAL THROW (ft) | ISOTHERMAL THROW (ft) | +20° ΔT VERTICAL THROW (ft) | CFM | -20° ΔT VERTICAL THROW (ft) | ISOTHERMAL THROW (ft) | +20° ΔT VERTICAL THROW (ft) |
| 4" | 22 - 122 | 6 - 24 | 6 - 21 | 6 - 17 | 131 - 200 | 25 - 30 | 22 - 27 | 18 - 22 |
| 5" | 34 - 182 | 8 - 29 | 8 - 25 | 7 - 22 | 194 - 292 | 30 - 36 | 26 - 32 | 21 - 27 |
| 6" | 49 - 249 | 9 - 33 | 9 - 29 | 8 - 24 | 264 - 421 | 35 - 43 | 30 - 38 | 25 - 32 |
| 8" | 87 - 407 | 12 - 43 | 12 - 38 | 11 - 31 | 420 - 664 | 44 - 55 | 39 - 49 | 32 - 40 |
| 10" | 136 - 590 | 15 - 52 | 15 - 46 | 14 - 38 | 614 - 972 | 53 - 67 | 47 - 59 | 39 - 49 |
| 12" | 196 - 785 | 18 - 60 | 18 - 53 | 17 - 44 | 810 - 1327 | 61 - 78 | 54 - 69 | 44 - 57 |
| 14" | 267 - 1069 | 21 - 70 | 21 - 62 | 20 - 51 | 1107 - 1604 | 71 - 86 | 63 - 76 | 52 - 62 |
| 16" | 349 - 1308 | 25 - 76 | 25 - 68 | 22 - 56 | 1396 - 2094 | 80 - 98 | 71 - 86 | 58 - 71 |
| 18" | 442 - 1611 | 28 - 84 | 28 - 75 | 25 - 62 | 1767 - 2651 | 90 - 110 | 79 - 97 | 65 - 80 |
| 20" | 545 - 1939 | 31 - 94 | 31 - 83 | 28 - 69 | 2060 - 3272 | 97 - 123 | 85 - 108 | 71 - 89 |
| 22" | 660 - 1980 | 34 - 95 | 34 - 84 | 31 - 69 | 2640 - 3300 | 110 - 123 | 97 - 108 | 80 - 89 |
| 24" | 785 - 2356 | 37 - 104 | 37 - 92 | 34 - 76 | 3142 - 3927 | 120 - 134 | 106 - 118 | 87 - 98 |

SEE BACK SUPPLEMENT FOR DESIGN INFORMATION

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). Performance data given per element. Throw value ranges are given for isothermal conditions, unless otherwise noted, and a terminal velocity of 50 FPM (0.25 m/s). NC ranges are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.

¹ Nominal size is 2" (51) smaller than the duct height to which it mounts. The duct width depends on the number of elements.