

MODEL

- RM2 - Steel round diffuser, 4 cones, 3 position adjustments
- 5RM2 - Aluminum round diffuser, 4 cones, 3 position adjustments

FEATURES

- Horizontal/vertical air distribution; units ship in vertical position
- Designed for heating and cooling applications
- 360° discharge air pattern
- Excellent performance in variable air volume systems
- Designed for exposed duct or hard ceiling applications

INLET SIZES

- Round: 6" - 20" (2" increments), 24", 30", 36"^{1 2}

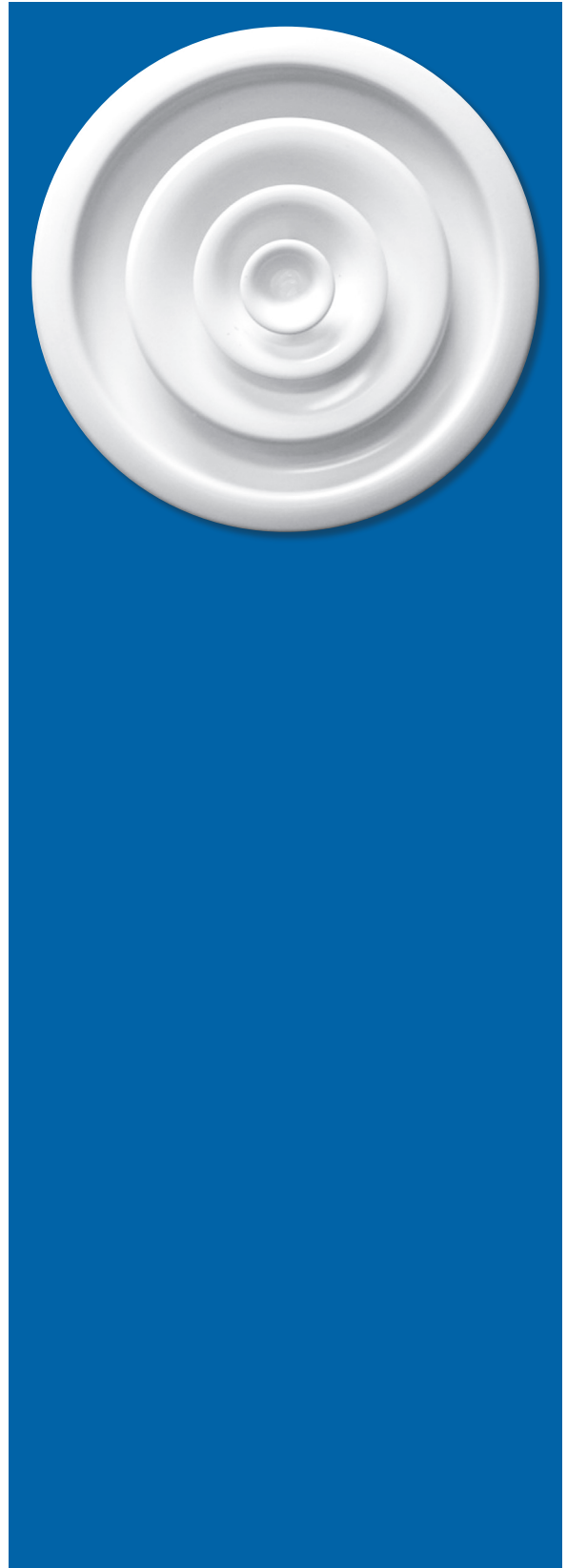
COMPATIBLE OPTIONS AND ACCESSORIES

- Safety chain (optional on sizes under 12", standard on 12" and larger)
- PR10 - Steel, radial opposed blade damper, 12" max (neck mount)
- PRN100 - Steel, radial fan damper, 14" max (neck mount)
- PRD10 - Steel, radial opposed blade damper (duct mount)
- PRD100 - Steel, radial fan damper, 14" max (duct mount)
- PR12 - Steel, butterfly bladed damper, 24" max (duct mount)
- RSG15 - Steel, round straightening grid (duct mount)
- PRSG15 - Steel, round straightening grid
- OBDDM - Steel, square or rectangular damper (duct mount)
- EX8 - Steel duct extractor with 1" blade spacing (duct mount)
- EX88 - Steel duct extractor with 2" blade spacing (duct mount)

NOTES: Not all options available with all configurations or one another. Some options must be ordered separately. See website for complete compatibility.

¹ Largest inlet size available for 5RM2 is 18".

² Safety chain included on all units with 12" or greater inlet size.



WEB SEARCH: [RM2](#) or [5RM2](#)

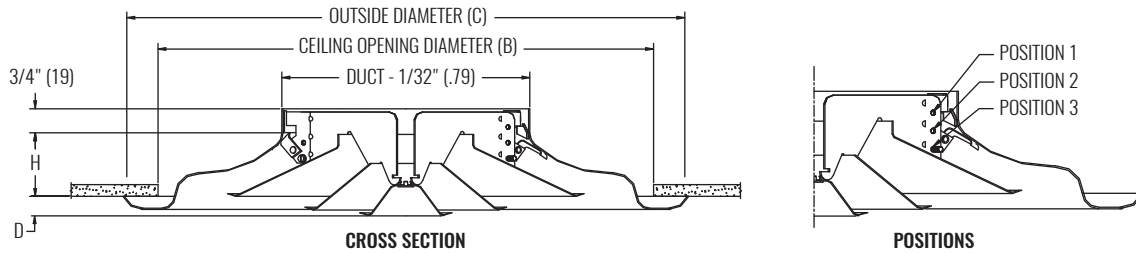


RM2 / 5RM2

Round Diffuser, 4 Cones



DIMENSIONAL DATA



DIMENSIONS						
RM2 NOMINAL ROUND DUCT	5RM2 NOMINAL ROUND DUCT	B	C	POSITION 1 (HORIZONTAL) D	POSITION 2 (VERTICAL) D	H
6"	6"	12" (305)	13 1/2" (343)	1 7/16" (37)	11/16" (17)	1 5/8" (41)
8"	8"	16" (406)	18" (457)	1 13/16" (46)	7/8" (19)	2 1/8" (54)
10"	10"	20" (508)	22 1/2" (572)	2 1/4" (57)	1 1/8" (29)	2 5/8" (67)
12"	12"	24" (635)	27" (686)	2 11/16" (68)	1 1/4" (32)	3 1/4" (83)
14"	14"	28" (711)	31 1/2" (800)	3 1/8" (79)	1 3/16" (30)	3 3/4" (95)
16"	16"	32" (813)	36" (914)	3 5/16" (84)	1 5/16" (33)	4 1/4" (108)
18"	18"	36" (914)	40 1/2" (1029)	3 3/4" (95)	1 1/2" (38)	4 7/8" (124)
20"	-	40" (1016)	45" (1143)	4 1/8" (105)	1 5/8" (41)	5 3/8" (137)
24"	-	48" (1219)	54" (1372)	4 7/8" (121)	1 7/8" (48)	6 1/2" (165)
30"	-	60" (1524)	67 1/2" (1715)	5 9/16" (141)	1 7/8" (48)	8" (203)
36"	-	60" (1524)	67 1/2" (1715)	5 9/16" (141)	1 7/8" (48)	8" (203)

PERFORMANCE AND DESIGN DATA

SIZE		PERFORMANCE				DESIGN - BASED ON HORIZONTAL THROW		
NOMINAL INLET	POSITION	NC (< 25)		NC (25 - 40)		CFM @ NC-30	SPACING @ 0.6 CFM/sf (ft)	MINIMUM CFM/sf
		CFM	THROW (ft)	CFM	THROW (ft)			
HZ = HORIZONTAL DISCHARGE AIR PATTERN / VT = VERTICAL DISCHARGE AIR PATTERN								
8"	1 (HZ)	70 - 230	3 - 9	250 - 384	10 - 12	280	22	0.35
8"	3 (VT)	70 - 224	1 - 8	240 - 384	9 - 16	260	N/A	N/A
10"	1 (HZ)	109 - 355	4 - 11	375 - 600	12 - 15	430	27	0.35
10"	3 (VT)	109 - 339	1 - 9	363 - 545	10 - 18	400	N/A	N/A
12"	1 (HZ)	157 - 490	4 - 13	520 - 800	14 - 17	620	32	0.35
12"	3 (VT)	157 - 471	1 - 9	510 - 785	11 - 21	590	N/A	N/A
14"	1 (HZ)	214 - 665	5 - 16	690 - 1069	16 - 20	825	37	0.35
14"	3 (VT)	214 - 641	1 - 11	689 - 1069	13 - 25	800	N/A	N/A
16"	1 (HZ)	279 - 838	6 - 18	900 - 1396	18 - 23	1000	41	0.35
16"	3 (VT)	279 - 815	1 - 11	838 - 1396	12 - 28	980	N/A	N/A
18"	1 (HZ)	353 - 1060	7 - 20	1120 - 1767	20 - 26	1350	47	0.35
18"	3 (VT)	353 - 1031	1 - 12	1060 - 1679	13 - 30	1300	N/A	N/A

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). Throw value ranges are given for isothermal conditions, unless otherwise noted, and a terminal velocity of 50 FPM (0.25 m/s). Vertical throw provided is at 10° ΔT heating. 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. Design spacing is recommended distance between diffusers in an open plan office based on ADPI > 80%, 9ft ceiling, and 55°F discharge at 30 NC and 0.6 CFM/sf. Minimum CFM/sf is based on recommended spacing at 80% ADPI. Design recommendations not applicable to vertical throw. "N/A" in design table denotes inapplicable situations or those which do not result in ADPI>80% and are therefore not recommended.

© Copyright Krueger 2018