RKSD

Round Diffuser, Swirl

MODEL

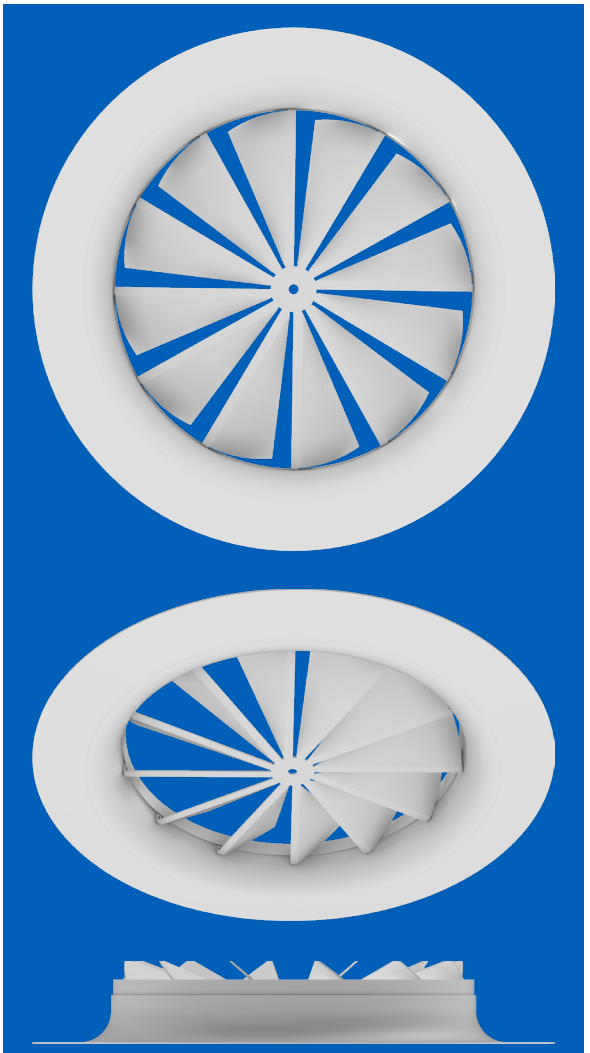
- RKSD - Round Swirl Diffuser

FEATURES

- Aluminum construction
- 360° discharge air pattern
- Excellent performance in variable air volume systems
- Designed for exposed duct or hard ceiling applications
- High capacity airflow
- Aesthetically pleasing appearance
- Standard finish is #44 British White
- Optional finishes available

INLET SIZES

- Round: 6” - 16” (2” increments), 20”, 24”, 36”



WEB SEARCH: RKSD

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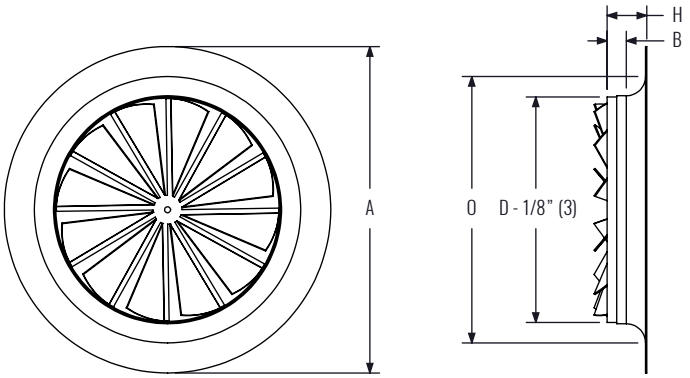
DIMENSIONAL DATA



FACE VIEW SIDE VIEW

NOTE: Dimensions in parentheses are millimeters (mm).

DIMENSIONS					
NOMINAL SIZE	A	B	DUCT SIZE D	H	O
6	10" (254)	1 3/16" (30)	6" (152)	2" (51)	7 1/2" (191)
8	12" (305)	1 3/16" (30)	8" (203)	2" (51)	9 1/2" (241)
10	15" (381)	1" (25)	10" (254)	2" (51)	11 7/8" (302)
12	17" (432)	1" (25)	12" (305)	2" (51)	13 7/8" (352)
14	20" (508)	1 1/2" (38)	14" (356)	2 1/2" (64)	17 7/8" (454)
16	22" (559)	1 3/8" (35)	16" (406)	2 1/2" (64)	18" (457)
20	28" (711)	1 1/2" (38)	20" (208)	3 1/4" (82)	23 3/8" (594)
24	34" (834)	1 1/2" (38)	24" (610)	3 1/2" (89)	27 7/8" (708)

PERFORMANCE AND DESIGN DATA

SIZE	PERFORMANCE				DESIGN - BASED ON HORIZONTAL THROW		
PANEL	NC (< 25)		NC (25 - 40)		CFM @ NC=30	SPACING @ 0.6 CFM/sf (ft)	MINIMUM CFM/sf
	CFM	THROW (ft)	CFM	THROW (ft)			
6"	79 - 94	4 - 8	96 - 170	6 - 10	118	14.00	0.23
8"	140 - 174	6 - 8	175 - 302	8 - 15	209	18.00	0.25
10"	218 - 251	8 - 9	273 - 454	10 - 17	305	22.00	0.26
12"	236 - 361	9 - 11	393 - 654	12 - 21	440	27.00	0.27
14"	321 - 492	10 - 13	535 - 891	14 - 24	599	31.00	0.30

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.