

Application

Architecturally pleasing unit with low sound levels, suitable for commercial spaces where a different look is called for. Excellent for use with VAV systems.

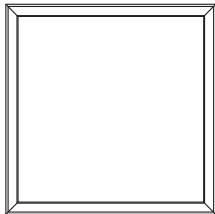
Standard Features

- Choice of 1, 2, 3 or 4 slots.
- Heavy gauge steel construction.
- Core is easily removed for installation or maintenance.
- Inlet sizes 6", 8", 10", 12" and 14".
- Inlet is undersized to fit inside duct.
- Standard finish is Carnes electrocoat acrylic baked enamel. Other finishes are available upon request.
- The standard color is #11 bright white. Other colors are available on request.

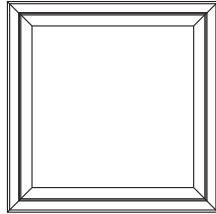
Accessories

- When specifying damper to go on this, use round damper model KXMB (See p. A429).

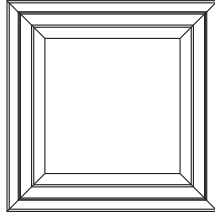
1-Slot



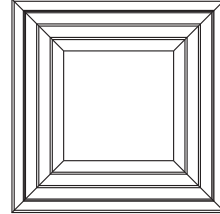
2-Slot



3-Slot

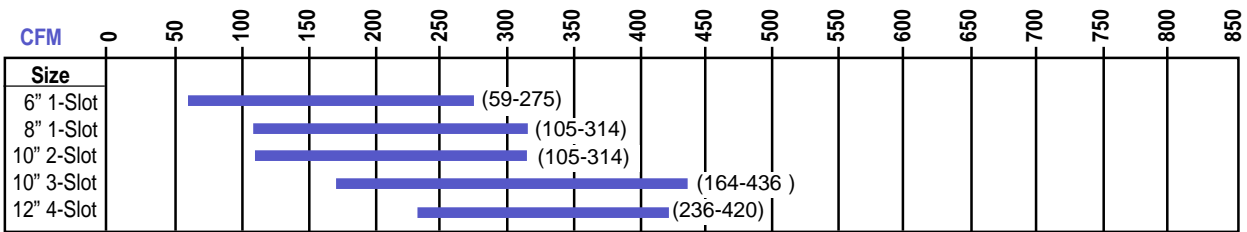


4-Slot

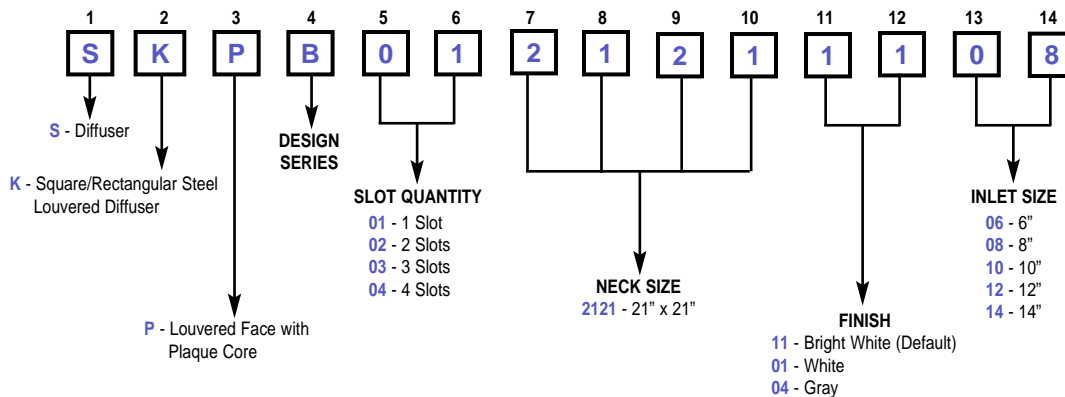


Quick Select Chart

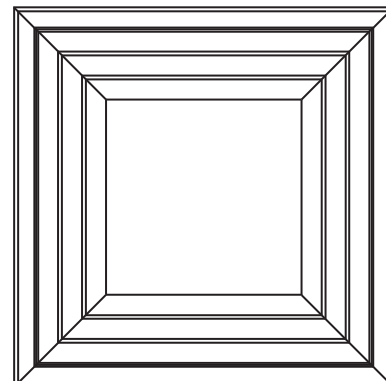
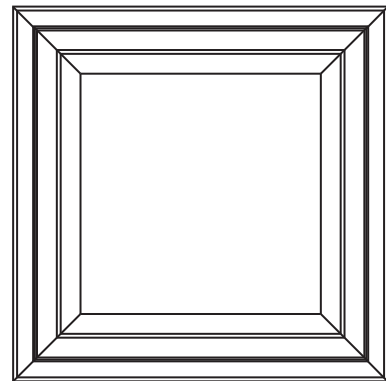
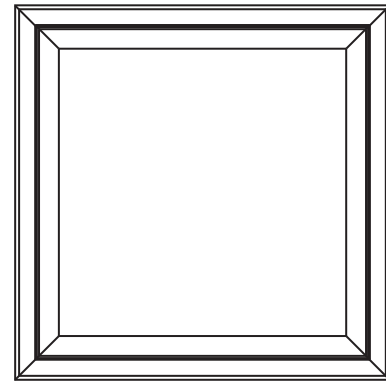
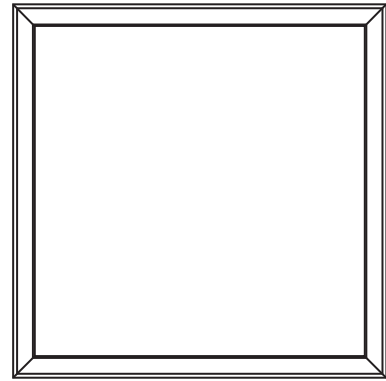
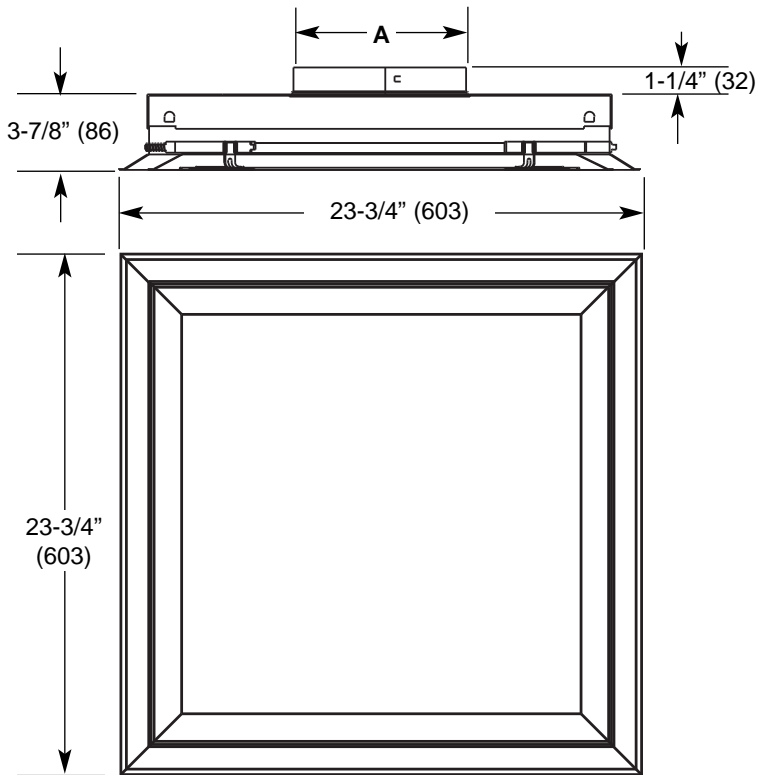
This shows units with: • A maximum NC/RC of 35.
• A minimum face velocity of 400 FPM.



Model Numbering System



Sq. & Rect. Louvered Diffusers



Metric Dimensions are in Millimeters		
Model	Nominal Neck Size	Neck O. D. (Dim. A)
SKPB_021211106	6" (152)	5-7/8" (149)
SKPB_021211108	8" (203)	7-7/8" (200)
SKPB_021211110	10" (254)	9-7/8" (251)
SKPB_021211112	12" (305)	11-7/8" (302)
SKPB_021211114	14" (356)	13-7/8" (352)

Duct Velocity (fpm)	300	400	500	600	700	800	900	1000	1200	1400
Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.051	0.062	0.090	0.122
6" Inlet, 1-Slot										
Flow (CFM)	59	79	98	118	137	157	177	196	236	275
Total Pressure (w.g.)	0.011	0.020	0.031	0.045	0.062	0.082	0.104	0.129	0.188	0.264
Sound (NC/RC)	11/-	12/-	13/13H	14/16H	17/18N	21/21N	24/23N	27/25N	32/28N	36/31N
Throw (ft.)	1-1-3	1-1-4	1-2-5	2-3-6	2-4-7	3-5-8	4-5-10	4-6-11	5-7-13	6-8-15
8" Inlet, 1-Slot										
Flow (CFM)	105	140	175	209	244	279	314	349	419	489
Total Pressure (w.g.)	0.014	0.026	0.041	0.059	0.081	0.108	0.138	0.170	0.248	0.342
Sound (NC/RC)	--/--	12/12H	16/17H	22/22N	27/26N	32/30N	36/33N	40/36N	46/40N	51/45N
Throw (ft.)	1-3-6	2-4-8	3-5-9	4-6-11	5-7-13	6-8-15	6-10-16	7-11-16	8-13-18	10-15-19
8" Inlet, 2-Slot										
Flow (CFM)	105	140	175	209	244	279	314	349	419	489
Total Pressure (w.g.)	0.013	0.023	0.036	0.053	0.073	0.096	0.123	0.153	0.222	0.306
Sound (NC/RC)	10/--	13/10H	15/16H	21/21N	27/25N	32/29N	36/32N	40/35N	47/40N	52/44R
Throw (ft.)	1-2-5	2-3-6	3-4-8	3-5-9	4-6-11	4-6-12	5-7-14	5-8-15	6-9-18	7-11-19
10" Inlet, 3-Slot										
Flow (CFM)	164	218	273	327	382	436	491	545	654	764
Total Pressure (w.g.)	0.016	0.028	0.044	0.064	0.088	0.117	0.149	0.184	0.268	0.366
Sound (NC/RC)	--/--	12/12H	18/18H	24/24N	29/29N	34/33N	38/36N	41/39N	48/45N	53/49N
Throw (ft.)	2-3-6	3-4-8	3-5-10	4-6-12	5-7-14	5-8-16	6-9-18	7-10-20	8-12-22	10-14-23
12" Inlet, 4-Slot										
Flow (CFM)	236	314	393	471	550	628	707	785	942	1100
Total Pressure (w.g.)	0.020	0.036	0.056	0.082	0.112	0.148	0.189	0.237	0.342	0.474
Sound (NC/RC)	12/11R	22/21N	31/30N	38/36N	44/41N	49/46N	54/50N	58/54N	66/60N	72/66N
Throw (ft.)	3-4-8	4-6-11	5-7-14	6-8-16	7-10-18	8-11-19	9-13-20	9-14-21	11-16-23	13-18-25

Notes on Performance Data:

- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Testing was conducted in isothermal conditions.
- Sound level values are based on a room absorption of 10db re10⁻¹² watts.
- A "--" indicates an NC or RC value less than 10.

Units of Measure Used:

- Velocity is given in Feet Per Minute (fpm).
- Pressure is given in Inches of Water (w. g.).
- Flows are given in Cubic Feet per Minute (CFM).
- Throws are given in feet to terminal velocities of 150, 100 & 50 fpm, respectively.
- Sound data is given in both NC and RC. NC is first with RC second, separated by a slash.