HIGH PERFORMANCE JET NOZZLE
SPOT TYPE
KJS200

APPLICATION

The jet nozzle is designed for areas where a long throw is needed. The large free area allows handling of large airflow rates with low pressure loss. Adjustable core may be rotated through 360°and titled up to maximum of 30° from mid position to produce a wide variation in air jet angles.

FEATURED STANDARD CONSTRUCTION

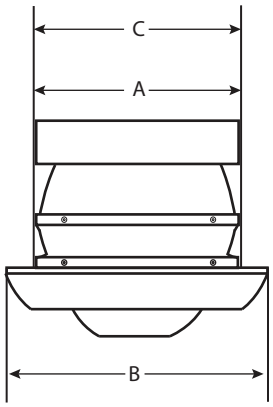
•Material: Constructed from heavy gauge aluminum
•Flange: The flange-to-body gasket consists of two tandem felt strips for a leak-proof seal.
•Finishing: RAL 9010

OPTIONS

• Panel manufactured from 1.0 mm thickness aluminum
• 1,2,3,4 or more elements per panel
• Any RAL color upon request

STANDARD SIZES

ORDER SIZES (mm)	A: NECK SIZES (mm)	B: FACE SIZES (mm)	C: OPENING SIZES (mm)
150	146	200	146
200	196	260	196
250	246	315	246
315	311	391	311
350	346	430	346
400	396	488	396
500	496	613	496



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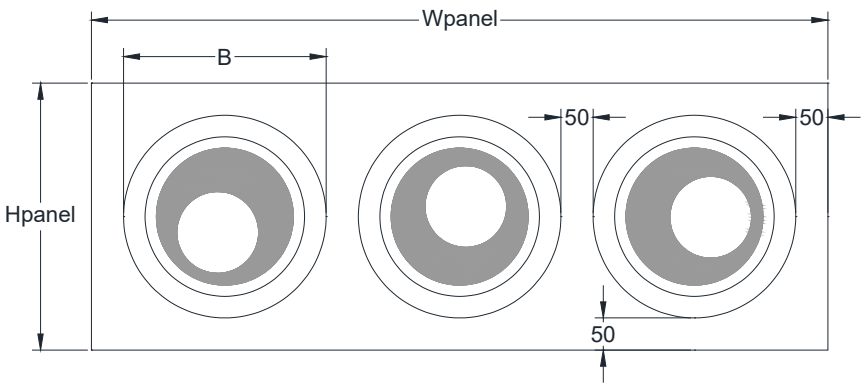
ALUMINUM PANEL



Width of the panel

Wpanel = (B x n) + [(n +1) x 50 mm]

n = Number of nozzles
B = Face size of nozzles

Height of the panel

Hpanel = B + 100 mm
B = Face size of nozzles

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AIR MOVEMENT PRODUCTS

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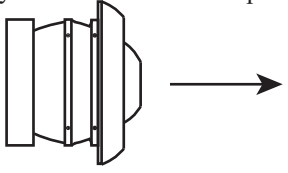
Inlet Size (mm)	Area Factor AK (Ft²)	Face Velocity (Fpm)	800	1100	1400	1700	2000	2300	2600	2900	3200	3500
150	0.056	**Airflow (Cfm)**	**45**	**62**	**78**	**95**	**112**	**129**	**146**	**162**	**179**	**196**
		SP (in., wg)	0.029	0.053	0.084	0.121	0.164	0.214	0.270	0.331	0.399	0.473
		NC	<15	<15	<15	<15	<15	<15	<15	<15	<15	16
		Throw 50,100,150 (Ft.)	12.9,7	17,14,11	23,18,14	27,21,17	31,24,20	35,27,22	38,29,23	41,30,24	43,31,25	44,32,25
200	0.097	**Airflow (Cfm)**	**78**	**107**	**136**	**165**	**194**	**223**	**252**	**281**	**310**	**340**
		SP (in., wg)	0.022	0.043	0.072	0.108	0.152	0.205	0.265	0.334	0.412	0.498
		NC	<15	<15	<15	<15	<15	<15	<15	<15	<15	16
		Throw 50,100,150 (Ft.)	17,13,8	23,18,12	29,23,16	34,27,19	38,30,22	42,33,25	46,36,26	48,37,27	51,38,28	53,39,28
250	0.138	**Airflow (Cfm)**	**110**	**152**	**193**	**235**	**276**	**317**	**359**	**400**	**442**	**483**
		SP (in., wg)	0.019	0.039	0.066	0.103	0.148	0.202	0.266	0.340	0.424	0.518
		NC	<15	<15	<15	<15	<15	<15	<15	<15	<15	17
		Throw 50,100,150 (Ft.)	21,16,9	28,22,13	34,27,18	40,32,21	45,36,24	49,39,27	53,42,29	56,43,30	59,45,31	61,45,31
315	0.208	**Airflow (Cfm)**	**166**	**229**	**291**	**354**	**416**	**478**	**541**	**603**	**666**	**728**
		SP (in., wg)	0.021	0.042	0.071	0.109	0.157	0.214	0.281	0.358	0.445	0.543
		NC	<15	<15	<15	<15	<15	<15	<15	<15	17	22
		Throw 50,100,150 (Ft.)	27,19,10	35,27,15	43,33,20	50,38,23	56,43,27	61,47,29	66,50,31	70,52,33	72,54,34	74,54,34
350	0.278	**Airflow (Cfm)**	**222**	**306**	**389**	**473**	**556**	**639**	**723**	**806**	**890**	**973**
		SP (in., wg)	0.032	0.059	0.094	0.136	0.187	0.245	0.311	0.385	0.466	0.555
		NC	<15	<15	<15	<15	<15	17	21	24	27	30
		Throw 50,100,150 (Ft.)	30,22,12	41,30,17	51,37,21	59,43,24	67,48,27	73,53,30	78,56,32	>80,59,34	>80,60,35	>80,61,36
400	0.313	**Airflow (Cfm)**	**250**	**344**	**438**	**532**	**626**	**719**	**813**	**907**	**1001**	**1095**
		SP (in., wg)	0.041	0.072	0.111	0.157	0.210	0.268	0.333	0.402	0.476	0.556
		NC	15	19	23	25	27	29	31	32	34	35
		Throw 50,100,150 (Ft.)	32,22,14	43,30,17	54,38,21	63,44,24	72,50,27	79,54,30	>80,58,32	>80,61,34	>80,63,36	>80,64,37
500	0.555	**Airflow (Cfm)**	**444**	**611**	**777**	**944**	**1110**	**1277**	**1443**	**1610**	**1776**	**1943**
		SP (in., wg)	0.033	0.063	0.102	0.151	0.209	0.276	0.353	0.439	0.535	0.640
		NC	15	19	23	25	27	29	31	32	34	35
		Throw 50,100,150 (Ft.)	36,26,17	48,34,20	61,43,24	72,49,27	80,54,30	>80,58,32	>80,62,34	>80,65,36	>80,67,38	>80,69,40

NOTES:

1. Laboratory tests were performed in accordance with ASHRAE Standard 70-06 “Method of Testing For Rating the Performance of Air Outlets and Inlets” ETL-ETS USA.
2. CFM: Standard air density and isothermal conditions.
3. Static Pressure (SP): Inches of water gauge.
4. Face Velocity: Face discharge velocity in feet per minute (fpm).
5. Noise Criteria: NC Level is based on Room Attenuation of 10 db (Sound Power Level Re: 10-12 watts) with one diffuser operating.
6. Terminal Velocity: Maximum velocity [Vt] in feet per minute at the speficifed distance from the outlet face at 50, 100, 150 fpm.
7. Throw: Projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].
8. All Throw Values are based on Isothermal conditions with Nozzle set at 0° deflection



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SPOT TYPE
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ORDERING INFORMATION

MODEL	PANEL	ELEMENTS PER PANEL	FINISHING	ORDER SIZE
KJS200 -	-- -	-- -	-- -	--

PANEL: --: If no panel; P: With 1 mm aluminum Panel

ELEMENTS PER PANEL: --: If no panel; 1: 1 element per panel; 2: 2 elements per panel; 3: 3 elements per panel; 4: 4 elements per panel

FINISHING: RAL9010: White STD; RAL"num": Other Ral color

ORDER SIZE: 150, 200, 250, 315, 350, 400, 500

N.B: - For more information, please check the submittal sheet

STANDARD SIZES

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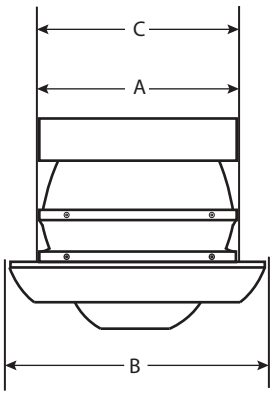

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