

MODEL KJS200

HIGH PERFORMANCE JET NOZZLE

SPOT TYPE



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

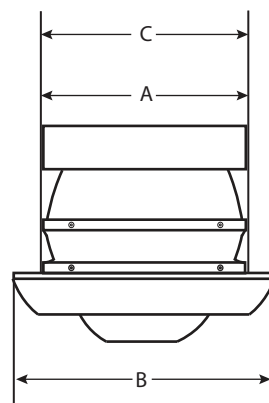
- Material: Constructed from heavy gauge aluminum
- Flange: The flange-to-body gasket consists of two tandem felt strips for a leak-proof seal.
- Finishing: RAL 9010

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

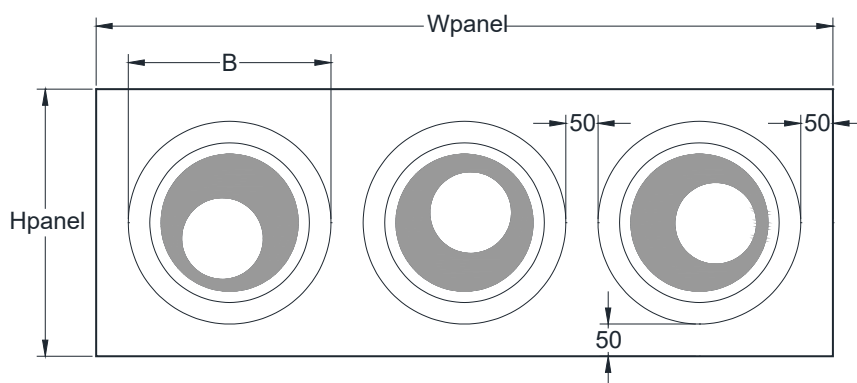


MODEL KJS200

HIGH PERFORMANCE JET NOZZLE

SPOT TYPE

ALUMINUM PANEL



Width of the panel

$$W_{\text{panel}} = (B \times n) + [(n + 1) \times 50 \text{ mm}]$$

n = Number of nozzles

B = Face size of nozzles

Height of the panel

$$H_{\text{panel}} = B + 100 \text{ mm}$$

B = Face size of nozzles

MODEL KJS200

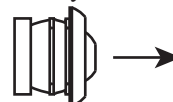
HIGH PERFORMANCE JET NOZZLE

PERFORMANCE DATA

Inlet Size (mm)	Area Factor AK (Ft ²)	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)	0.030	0.056	0.091	0.134	0.185	0.245	0.313	0.389	0.474	0.567
		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)	0.031	0.058	0.094	0.139	0.192	0.254	0.325	0.404	0.492	0.589
		NC	<15	<15	15	17	20	22	25	27	30	33
		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	0.344	0.428	0.521	0.623
		NC	19	21	23	25	27	29	31	32	34	37
		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:

- Performance Data is Based on ASHRAE 70-06
- CFM: Standard air density and isothermal conditions.
- Static Pressure (SP): Inches of water gauge.
- Face Velocity: Face discharge velocity in feet per minute (fpm).
- Noise Criteria: NC Level is based on Room Attenuation of 10 db (Sound Power Level Re: 10-12 watts) with one diffuser operating.
- Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face at 50, 100, 150 fpm.
- Throw: Projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].
- All Throw Values are based on Isothermal conditions with Nozzle set at 0° deflection



MODEL KJS200

HIGH PERFORMANCE JET NOZZLE SPOT TYPE

ORDERING INFORMATION

MODEL		PANEL		ELEMENTS PER PANEL		FINISHING		ORDER SIZE
KJS200	-	--	-	--	-	--	-	--
		↑		↑		↑		↑
		--: If no panel		--: If no panel		RAL9010: White STD		150
		P: With 1 mm		1: 1 element per panel		RAL"num": Other Ral		200
		aluminum Panel		2: 2 elements per panel		color		250
				3: 3 elements per panel				315
				4: 4 elements per panel				350
								400
								500

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

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

