AIR MOVEMENT PRODUCTS

MODEL KJN - 201

HIGH PERFORMANCE JET NOZZLE

PERFORMANCE DATA

KJN-201 Size 8 1 Element	CFM	200	300	400	500	600	700	800	900	1000
	ΔP	0.010	0.014	0.019	0.027	0.038	0.052	0.073	0.101	0.141
	NC	<20	<20	23	31	38	44	49	53	57
	H	7	9	11	12	13	14	16	16	17
	V	3	4	4	5	5	6	6	6	7
KJN-201 Size 8 2 Elements	CFM	400	600	800	1000	1200	1400	1600	1800	2000
	ΔP	0.010	0.014	0.019	0.027	0.038	0.052	0.073	0.101	0.141
	NC	<20	<20	25	33	40	46	51	55	59
	H	11	14	16	18	20	21	23	25	26
	V	4	5	6	7	8	8	9	10	10
KJN-201 Size 8 3 Elements	CFM	600	900	1200	1500	1800	2100	2400	2700	3000
	ΔP	0.010	0.014	0.019	0.027	0.038	0.052	0.073	0.101	0.141
	NC	<20	20	27	34	41	47	52	56	60
	H	13	16	19	21	23	25	27	29	30
	V	5	6	7	8	9	10	11	11	12
KJN-201 Size 8 4 Elements	CFM	800	1200	1600	2000	2400	2800	3200	3600	4000
	ΔP	0.010	0.014	0.019	0.027	0.038	0.052	0.073	0.101	0.141
	NC	<20	22	29	35	42	48	53	57	61
	H	15	18	21	25	26	29	31	33	35
	V	6	7	8	10	10	11	12	13	14

KJN-201 Size 14 1 Element	CFM	800	900	1000	1200	1400	1600	1800	2000	2200
	ΔP	0.010	0.012	0.013	0.018	0.024	0.033	0.045	0.060	0.081
	NC	<20	20	24	32	38	44	49	53	57
	H	16	16	17	19	21	22	24	25	26
	V	6	6	7	7	8	9	9	10	10
KJN-201 Size 14 2 Elements	CFM	1600	1800	2000	2400	2800	3200	3600	4000	4400
	ΔP	0.010	0.012	0.013	0.018	0.024	0.033	0.045	0.060	0.081
	NC	<20	22	26	34	40	46	51	55	59
	H	23	25	26	29	31	33	36	38	39
	V	9	10	10	11	12	13	14	15	15
KJN-201 Size 14 3 Elements	CFM	2100	2400	2700	3000	3600	4200	4800	5400	6000
	ΔP	0.009	0.010	0.012	0.013	0.018	0.024	0.033	0.045	0.060
	NC	<20	21	24	27	35	41	47	52	56
	H	25	27	29	30	34	36	39	42	44
	V	10	11	11	12	13	14	15	16	17
KJN-201 Size 14 4 Elements	CFM	2800	3200	3600	4000	4800	5600	6400	7200	8000
	ΔP	0.009	0.010	0.012	0.013	0.018	0.024	0.033	0.045	0.060
	NC	20	23	26	29	36	42	48	53	57
	H	29	31	33	35	38	41	45	48	50
	V	11	12	13	14	15	16	17	19	20

KJN-201 Size 10 1 Element	CFM	400	500	600	700	800	900	1000	1200	1400
	ΔP	0.015	0.019	0.023	0.030	0.037	0.047	0.060	0.095	0.152
	NC	<20	<20	23	30	36	42	46	55	62
	H	11	12	13	14	16	16	17	19	21
	V	4	5	5	6	6	6	7	7	8
KJN-201 Size 10 2 Elements	CFM	800	1000	1200	1400	1600	1800	2000	2400	2800
	ΔP	0.015	0.019	0.023	0.030	0.037	0.047	0.060	0.095	0.152
	NC	<20	<20	25	32	38	44	48	57	64
	H	16	18	20	21	23	25	26	29	31
	V	6	7	8	8	9	10	10	11	12
KJN-201 Size 10 3 Elements	CFM	1200	1500	1800	2100	2400	2700	3000	3600	4200
	ΔP	0.015	0.019	0.023	0.030	0.037	0.047	0.060	0.095	0.152
	NC	<20	20	27	34	39	45	49	58	65
	H	19	21	23	25	27	29	30	34	36
	V	7	8	9	10	11	11	12	13	14
KJN-201 Size 10 4 Elements	CFM	1600	2000	2400	2800	3200	3600	4000	4800	5600
	ΔP	0.015	0.019	0.023	0.030	0.037	0.047	0.060	0.095	0.152
	NC	<20	22	29	35	40	46	50	59	66
	H	21	24	26	29	31	33	35	38	41
	V	8	10	10	11	12	13	14	15	16

KJN-201 Size 16 1 Element	CFM	1000	1200	1400	1600	1800	2000	2200	2400	2600
	ΔP	0.007	0.010	0.012	0.016	0.021	0.027	0.035	0.046	0.059
	NC	<20	25	31	36	41	45	49	52	55
	H	17	19	21	22	24	25	26	27	28
	V	7	7	8	9	9	10	10	11	11
KJN-201 Size 16 2 Elements	CFM	2000	2400	2800	3200	3600	4000	4400	4800	5200
	ΔP	0.007	0.010	0.012	0.016	0.021	0.027	0.035	0.046	0.059
	NC	22	27	32	38	43	47	51	54	57
	H	26	29	31	33	36	38	39	41	43
	V	10	11	12	13	14	15	15	16	17
KJN-201 Size 16 3 Elements	CFM	2700	3000	3600	4200	4800	5400	6000	6600	7200
	ΔP	0.007	0.007	0.010	0.012	0.016	0.021	0.027	0.035	0.046
	NC	<20	24	29	34	39	44	48	52	55
	H	29	30	34	36	39	42	44	46	48
	V	11	12	13	14	15	16	17	18	19
KJN-201 Size 16 4 Elements	CFM	3200	3600	4000	4800	5600	6400	7200	8000	8800
	ΔP	0.006	0.007	0.007	0.010	0.012	0.016	0.021	0.027	0.035
	NC	<20	20	25	30	35	40	45	49	53
	H	31	33	35	38	41	45	48	50	52
	V	12	13	14	15	16	17	19	20	20

KJN-201 Size 12 1 Element	CFM	600	700	800	900	1000	1200	1400	1600	1800
	ΔP	0.015	0.018	0.021	0.025	0.029	0.040	0.055	0.077	0.106
	NC	<20	<20	22	27	32	40	46	52	57
	H	13	14	16	16	17	19	21	22	24
	V	5	6	6	6	7	7	8	9	9
KJN-201 Size 12 2 Elements	CFM	1200	1400	1600	1800	2000	2400	2800	3200	3600
	ΔP	0.015	0.018	0.021	0.025	0.029	0.040	0.055	0.077	0.106
	NC	<20	<20	24	29	34	42	48	54	59
	H	20	21	23	25	26	29	31	33	36
	V	8	8	9	10	10	11	12	13	14
KJN-201 Size 12 3 Elements	CFM	1800	2100	2400	2700	3000	3600	4200	4800	5400
	ΔP	0.015	0.018	0.021	0.025	0.029	0.040	0.055	0.077	0.106
	NC	<20	21	26	30	35	43	49	55	60
	H	23	25	27	29	30	34	36	39	42
	V	9	10	11	11	12	13	14	15	16
KJN-201 Size 12 4 Elements	CFM	2400	2800	3200	3600	4000	4800	5600	6400	7200
	ΔP	0.015	0.018	0.021	0.025	0.029	0.040	0.055	0.077	0.106
	NC	<20	22	27	31	36	44	50	56	61
	H	26	29	31	33	35	38	41	45	48
	V	10	11	12	13	14	15	16	17	19

NOTES:

H - Horizontal throw in meters at terminal velocity of 50 ft/min.

V - Vertical throw in meters of warm air at 10K above room temperature at terminal velocity of 50 ft/min.

△P - Static pressure in Inch of Water.

Tested in accordance with ANSI/ASHRAE Standard 70-1991 using Isothermal air. Test conducted at ETL-ITS under Report number 3096354 CRT-001.