

K-JET Performance Data

IP/METRIC DATA: K-JET, NO CORE (NO DAMPER)

	IP Data							NC	Metric Data						
	Neck Vel	Air Flow	Pressures		Vertical Throw				Neck Vel	Air Flow	Pressures		Vertical Throw		
			Ps	Pt	-20°R ΔT	Isothermal	+20°R ΔT				Ps	Pt	-11°K ΔT	Isothermal	+11°K ΔT
	FPM	CFM	"WG	"WG	ft	ft	ft		m/s	L/s	Pa	Pa	m	m	m
3" Dia.	400	20	0.002	.012	1 - 3 - 7	1 - 3 - 7	1 - 3 - 7	-	2.03	9	0.4	2.9	0.0 - 0.1 - 0.4	0.0 - 0.1 - 0.4	0.0 - 0.1 - 0.4
	600	29	0.004	.026	3 - 6 - 11	3 - 6 - 10	3 - 5 - 8	-	3.05	14	1.0	6.6	0.1 - 0.3 - 1.0	0.1 - 0.3 - 1.0	0.1 - 0.3 - 1.0
	800	39	0.007	.047	5 - 7 - 13	5 - 7 - 12	4 - 7 - 10	-	4.06	19	1.8	11.7	0.2 - 0.4 - 1.8	0.2 - 0.4 - 1.8	0.2 - 0.4 - 1.8
	1000	49	0.011	.074	6 - 9 - 15	6 - 9 - 13	6 - 8 - 11	12	5.08	23	2.8	18.3	0.3 - 0.7 - 2.8	0.3 - 0.7 - 2.8	0.3 - 0.7 - 2.6
	1200	59	0.016	.106	7 - 11 - 16	7 - 10 - 14	7 - 8 - 12	17	6.10	28	4.0	26.4	0.4 - 1.0 - 3.4	0.4 - 1.0 - 3.4	0.4 - 1.0 - 3.1
	1400	69	0.022	.144	9 - 13 - 18	9 - 11 - 16	7 - 9 - 13	21	7.11	32	5.5	35.9	0.6 - 1.4 - 3.9	0.6 - 1.4 - 3.9	0.6 - 1.4 - 3.6
	1600	79	0.029	.188	10 - 13 - 19	10 - 12 - 17	8 - 10 - 14	25	8.13	37	7.1	46.9	0.8 - 1.8 - 4.5	0.8 - 1.8 - 4.5	0.8 - 1.8 - 4.1
	2000	98	0.045	.294	12 - 15 - 21	11 - 13 - 19	9 - 11 - 15	31	10.16	46	11.2	73.2	1.2 - 2.8 - 5.6	1.2 - 2.8 - 5.6	1.2 - 2.6 - 4.7
2500	123	0.070	.460	14 - 17 - 24	12 - 15 - 21	10 - 12 - 17	37	12.70	58	17.4	114.4	1.9 - 3.5 - 7.0	1.9 - 3.5 - 6.4	1.9 - 3.2 - 5.2	
4" Dia.	400	35	0.002	.012	2 - 4 - 10	2 - 4 - 10	2 - 4 - 9	-	2.03	16	0.4	2.9	0.2 - 0.4 - 1.4	0.2 - 0.4 - 1.4	0.2 - 0.4 - 1.4
	600	52	0.004	.026	4 - 7 - 15	4 - 7 - 14	4 - 7 - 11	-	3.05	25	1.0	6.6	0.4 - 0.8 - 3.0	0.4 - 0.8 - 3.0	0.4 - 0.8 - 2.7
	800	70	0.007	.047	7 - 10 - 18	7 - 10 - 16	6 - 9 - 13	12	4.06	33	1.8	11.7	0.6 - 1.4 - 4.0	0.6 - 1.4 - 4.0	0.6 - 1.4 - 3.6
	1200	105	0.016	.106	10 - 15 - 22	10 - 14 - 19	9 - 11 - 16	23	6.10	49	4.0	26.4	1.4 - 3.0 - 6.0	1.4 - 3.0 - 5.9	1.4 - 2.7 - 4.8
	1400	122	0.022	.144	12 - 17 - 24	11 - 15 - 21	10 - 12 - 17	27	7.11	58	5.5	35.9	1.9 - 3.5 - 7.0	1.9 - 3.5 - 6.3	1.9 - 3.2 - 5.2
	1600	140	0.029	.188	13 - 18 - 25	13 - 16 - 22	11 - 13 - 18	31	8.13	66	7.1	46.9	2.5 - 4.0 - 7.7	2.5 - 4.0 - 6.8	2.4 - 3.6 - 5.6
	1800	157	0.036	.238	15 - 19 - 27	14 - 17 - 24	11 - 14 - 20	34	9.14	74	9.0	59.3	3.0 - 4.5 - 8.2	3.0 - 4.5 - 7.2	2.7 - 4.1 - 5.9
	2000	175	0.045	.294	16 - 20 - 28	14 - 18 - 25	12 - 15 - 21	37	10.16	82	11.2	73.2	3.3 - 5.0 - 8.6	3.3 - 5.0 - 7.6	3.0 - 4.4 - 6.3
2200	192	0.054	.356	17 - 21 - 30	15 - 19 - 26	12 - 15 - 22	39	11.18	91	13.5	88.6	3.7 - 5.5 - 9.0	3.6 - 5.5 - 8.0	3.3 - 4.6 - 6.6	
5" Dia.	400	55	0.002	.012	1 - 3 - 10	1 - 3 - 10	1 - 3 - 9	-	2.03	26	0.4	2.9	0.4 - 0.9 - 3.1	0.4 - 0.9 - 3.1	0.4 - 0.9 - 2.8
	500	68	0.003	.018	2 - 4 - 13	2 - 4 - 13	2 - 4 - 12	-	2.54	32	0.7	4.6	0.6 - 1.3 - 3.9	0.6 - 1.3 - 3.9	0.6 - 1.3 - 3.5
	600	82	0.004	.026	3 - 6 - 15	3 - 6 - 15	3 - 6 - 14	-	3.05	39	1.0	6.6	0.9 - 1.9 - 4.7	0.9 - 1.9 - 4.7	0.9 - 1.9 - 4.3
	800	109	0.007	.047	5 - 10 - 21	5 - 10 - 20	5 - 9 - 16	16	4.06	51	1.8	11.7	1.5 - 3.1 - 6.2	1.5 - 3.1 - 6.0	1.5 - 2.8 - 4.9
	1000	136	0.011	.074	8 - 13 - 25	8 - 13 - 22	8 - 12 - 18	22	5.08	64	2.8	18.3	2.4 - 3.9 - 7.6	2.4 - 3.9 - 6.7	2.4 - 3.5 - 5.5
	1200	164	0.016	.106	10 - 15 - 27	10 - 15 - 24	9 - 14 - 20	27	6.10	77	4.0	26.4	3.1 - 4.7 - 8.3	3.1 - 4.7 - 7.3	2.8 - 4.3 - 6.1
	1400	191	0.022	.144	12 - 18 - 30	12 - 18 - 26	11 - 15 - 22	31	7.11	90	5.5	35.9	3.6 - 5.5 - 9.0	3.6 - 5.4 - 7.9	3.3 - 4.6 - 6.5
	1600	218	0.029	.188	14 - 21 - 32	14 - 20 - 28	12 - 16 - 23	35	8.13	103	7.1	46.9	4.2 - 6.2 - 9.6	4.1 - 6.0 - 8.5	3.8 - 4.9 - 7.0
1800	245	0.036	.238	15 - 23 - 34	15 - 21 - 30	14 - 17 - 24	38	9.14	116	9.0	59.3	4.7 - 7.0 - 10.2	4.7 - 6.4 - 9.0	4.3 - 5.2 - 7.4	
6" Dia.	400	79	0.002	.012	3 - 6 - 15	3 - 6 - 15	3 - 6 - 13	-	2.03	37	0.4	2.9	0.8 - 1.8 - 4.5	0.8 - 1.8 - 4.5	0.8 - 1.8 - 4.1
	500	98	0.003	.018	4 - 9 - 18	4 - 9 - 18	4 - 8 - 15	-	2.54	46	0.7	4.6	1.2 - 2.8 - 5.6	1.2 - 2.8 - 5.6	1.2 - 2.6 - 4.7
	600	118	0.004	.026	6 - 11 - 22	6 - 11 - 20	6 - 10 - 17	12	3.05	56	1.0	6.6	1.8 - 3.4 - 6.7	1.8 - 3.4 - 6.2	1.8 - 3.1 - 5.1
	700	137	0.005	.036	8 - 13 - 25	8 - 13 - 22	8 - 12 - 18	16	3.56	65	1.4	9.0	2.4 - 3.9 - 7.6	2.4 - 3.9 - 6.7	2.4 - 3.6 - 5.6
	800	157	0.007	.047	10 - 15 - 27	10 - 15 - 24	9 - 13 - 20	20	4.06	74	1.8	11.7	3.0 - 4.5 - 8.2	3.0 - 4.5 - 7.2	2.7 - 4.1 - 5.9
	1000	196	0.011	.074	12 - 18 - 30	12 - 18 - 26	11 - 15 - 22	26	5.08	93	2.8	18.3	3.7 - 5.6 - 9.1	3.7 - 5.6 - 8.0	3.4 - 4.7 - 6.6
	1200	236	0.016	.106	15 - 22 - 33	15 - 20 - 29	13 - 17 - 24	31	6.10	111	4.0	26.4	4.5 - 6.7 - 10.0	4.5 - 6.2 - 8.8	4.1 - 5.1 - 7.3
	1400	275	0.022	.144	17 - 25 - 36	17 - 22 - 31	15 - 18 - 26	35	7.11	130	5.5	35.9	5.2 - 7.6 - 10.8	5.2 - 6.7 - 9.5	4.5 - 5.6 - 7.8
1600	314	0.029	.188	20 - 27 - 38	19 - 24 - 33	16 - 20 - 28	39	8.13	148	7.1	46.9	6.0 - 8.2 - 11.5	5.9 - 7.2 - 10.2	4.8 - 5.9 - 8.4	

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption 10dB, re 10⁻¹² Watts. Dash in space denotes a NC value less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s) free jet. Vertical throw is given for the temperature differences shown. The proper representation of ΔT in Fahrenheit is (°R) and in Centigrade it is (°K).

K-JETA Performance Data
IP/METRIC DATA: K-JETA, WITH CORE (NO DAMPER)

	IP Data							NC	Metric Data						
	Neck Vel	Air Flow	Pressures		Vertical Throw				Neck Vel	Air Flow	Pressures		Vertical Throw		
			Ps	Pt	-20°R ΔT	Isothermal	+20°R ΔT				Ps	Pt	-11°K ΔT	Isothermal	+11°K ΔT
	FPM	CFM	"WG	"WG	ft	ft	ft		m/s	L/s	Pa	Pa	m	m	m
3" Dia.	400	20	0.006	.016	1 - 3 - 7	1 - 3 - 7	1 - 3 - 7	-	2.03	9	1.5	4.0	0.0 - 0.1 - 0.4	0.0 - 0.1 - 0.4	0.0 - 0.1 - 0.4
	600	29	0.014	.036	3 - 6 - 11	3 - 6 - 10	3 - 5 - 8	-	3.05	14	3.4	9.0	0.1 - 0.3 - 1.0	0.1 - 0.3 - 1.0	0.1 - 0.3 - 1.0
	800	39	0.024	.064	5 - 7 - 13	5 - 7 - 12	4 - 7 - 10	-	4.06	19	6.0	15.9	0.2 - 0.4 - 1.8	0.2 - 0.4 - 1.8	0.2 - 0.4 - 1.8
	1000	49	0.038	.100	6 - 9 - 15	6 - 9 - 13	6 - 8 - 11	16	5.08	23	9.4	24.9	0.3 - 0.7 - 2.8	0.3 - 0.7 - 2.8	0.3 - 0.7 - 2.6
	1200	59	0.054	.144	7 - 11 - 16	7 - 10 - 14	7 - 8 - 12	21	6.10	28	13.5	35.9	0.4 - 1.0 - 3.4	0.4 - 1.0 - 3.4	0.4 - 1.0 - 3.1
	1400	69	0.074	.196	9 - 13 - 18	9 - 11 - 16	7 - 9 - 13	25	7.11	32	18.4	48.8	0.6 - 1.4 - 3.9	0.6 - 1.4 - 3.9	0.6 - 1.4 - 3.6
	1600	79	0.096	.256	10 - 13 - 19	10 - 12 - 17	8 - 10 - 14	29	8.13	37	24.0	63.7	0.8 - 1.8 - 4.5	0.8 - 1.8 - 4.5	0.8 - 1.8 - 4.1
	2000	98	0.151	.400	12 - 15 - 21	11 - 13 - 19	9 - 11 - 15	36	10.16	46	37.5	99.6	1.2 - 2.8 - 5.6	1.2 - 2.8 - 5.6	1.2 - 2.6 - 4.7
4" Dia.	2500	123	0.235	.625	14 - 17 - 24	12 - 15 - 21	10 - 12 - 17	43	12.70	58	58.6	155.6	1.9 - 3.5 - 7.0	1.9 - 3.5 - 6.4	1.9 - 3.2 - 5.2
	400	35	0.006	.016	2 - 4 - 10	2 - 4 - 10	2 - 4 - 9	-	2.03	16	1.5	4.0	0.2 - 0.4 - 1.4	0.2 - 0.4 - 1.4	0.2 - 0.4 - 1.4
	600	52	0.014	.036	4 - 7 - 15	4 - 7 - 14	4 - 7 - 11	-	3.05	25	3.4	9.0	0.4 - 0.8 - 3.0	0.4 - 0.8 - 3.0	0.4 - 0.8 - 2.7
	800	70	0.024	.064	7 - 10 - 18	7 - 10 - 16	6 - 9 - 13	16	4.06	33	6.0	15.9	0.6 - 1.4 - 4.0	0.6 - 1.4 - 4.0	0.6 - 1.4 - 3.6
	1200	105	0.054	.144	10 - 15 - 22	10 - 14 - 19	9 - 11 - 16	28	6.10	49	13.5	35.9	1.4 - 3.0 - 6.0	1.4 - 3.0 - 5.9	1.4 - 2.7 - 4.8
	1400	122	0.074	.196	12 - 17 - 24	11 - 15 - 21	10 - 12 - 17	32	7.11	58	18.4	48.8	1.9 - 3.5 - 7.0	1.9 - 3.5 - 6.3	1.9 - 3.2 - 5.2
	1600	140	0.096	.256	13 - 18 - 25	13 - 16 - 22	11 - 13 - 18	36	8.13	66	24.0	63.7	2.5 - 4.0 - 7.7	2.5 - 4.0 - 6.8	2.4 - 3.6 - 5.6
	1800	157	0.122	.324	15 - 19 - 27	14 - 17 - 24	11 - 14 - 20	40	9.14	74	30.4	80.7	3.0 - 4.5 - 8.2	3.0 - 4.5 - 7.2	2.7 - 4.1 - 5.9
5" Dia.	2000	175	0.151	.400	16 - 20 - 28	14 - 18 - 25	12 - 15 - 21	43	10.16	82	37.5	99.6	3.3 - 5.0 - 8.6	3.3 - 5.0 - 7.6	3.0 - 4.4 - 6.3
	2200	192	0.182	.484	17 - 21 - 30	15 - 19 - 26	12 - 15 - 22	46	11.18	91	45.4	120.5	3.7 - 5.5 - 9.0	3.6 - 5.5 - 8.0	3.3 - 4.6 - 6.6
	300	41	0.003	.009	1 - 2 - 6	1 - 2 - 6	1 - 2 - 6	-	1.52	19	0.8	2.2	0.2 - 0.5 - 1.9	0.2 - 0.5 - 1.9	0.2 - 0.5 - 1.9
	400	55	0.006	.016	1 - 3 - 10	1 - 3 - 10	1 - 3 - 9	-	2.03	26	1.5	4.0	0.4 - 0.9 - 3.1	0.4 - 0.9 - 3.1	0.4 - 0.9 - 2.8
	600	82	0.014	.036	3 - 6 - 15	3 - 6 - 15	3 - 6 - 14	12	3.05	39	3.4	9.0	0.9 - 1.9 - 4.7	0.9 - 1.9 - 4.7	0.9 - 1.9 - 4.3
	800	109	0.024	.064	5 - 10 - 21	5 - 10 - 20	5 - 9 - 16	21	4.06	51	6.0	15.9	1.5 - 3.1 - 6.2	1.5 - 3.1 - 6.0	1.5 - 2.8 - 4.9
	1000	136	0.038	.100	8 - 13 - 25	8 - 13 - 22	8 - 12 - 18	28	5.08	64	9.4	24.9	2.4 - 3.9 - 7.6	2.4 - 3.9 - 6.7	2.4 - 3.5 - 5.5
	1200	164	0.054	.144	10 - 15 - 27	10 - 15 - 24	9 - 14 - 20	33	6.10	77	13.5	35.9	3.1 - 4.7 - 8.3	3.1 - 4.7 - 7.3	2.8 - 4.3 - 6.1
6" Dia.	1400	191	0.074	.196	12 - 18 - 30	12 - 18 - 26	11 - 15 - 22	37	7.11	90	18.4	48.8	3.6 - 5.5 - 9.0	3.6 - 5.4 - 7.9	3.3 - 4.6 - 6.5
	1600	218	0.096	.256	14 - 21 - 32	14 - 20 - 28	12 - 16 - 23	41	8.13	103	24.0	63.7	4.2 - 6.2 - 9.6	4.1 - 6.0 - 8.5	3.8 - 4.9 - 7.0
	1800	245	0.122	.324	15 - 23 - 34	15 - 21 - 30	14 - 17 - 24	45	9.14	116	30.4	80.7	4.7 - 7.0 - 10.2	4.7 - 6.4 - 9.0	4.3 - 5.2 - 7.4
	300	59	0.003	.009	1 - 3 - 11	1 - 3 - 11	1 - 3 - 10	-	1.52	28	0.8	2.2	0.4 - 1.0 - 3.4	0.4 - 1.0 - 3.4	0.4 - 1.0 - 3.1
	400	79	0.006	.016	3 - 6 - 15	3 - 6 - 15	3 - 6 - 13	-	2.03	37	1.5	4.0	0.8 - 1.8 - 4.5	0.8 - 1.8 - 4.5	0.8 - 1.8 - 4.1
	500	98	0.009	.025	4 - 9 - 18	4 - 9 - 18	4 - 8 - 15	11	2.54	46	2.3	6.2	1.2 - 2.8 - 5.6	1.2 - 2.8 - 5.6	1.2 - 2.6 - 4.7
	600	118	0.014	.036	6 - 11 - 22	6 - 11 - 20	6 - 10 - 17	17	3.05	56	3.4	9.0	1.8 - 3.4 - 6.7	1.8 - 3.4 - 6.2	1.8 - 3.1 - 5.1
	800	157	0.024	.064	10 - 15 - 27	10 - 15 - 24	9 - 13 - 20	25	4.06	74	6.0	15.9	3.0 - 4.5 - 8.2	3.0 - 4.5 - 7.2	2.7 - 4.1 - 5.9
6" Dia.	1000	196	0.038	.100	12 - 18 - 30	12 - 18 - 26	11 - 15 - 22	32	5.08	93	9.4	24.9	3.7 - 5.6 - 9.1	3.7 - 5.6 - 8.0	3.4 - 4.7 - 6.6
	1200	236	0.054	.144	15 - 22 - 33	15 - 20 - 29	13 - 17 - 24	37	6.10	111	13.5	35.9	4.5 - 6.7 - 10.0	4.5 - 6.2 - 8.8	4.1 - 5.1 - 7.3
	1400	275	0.074	.196	17 - 25 - 36	17 - 22 - 31	15 - 18 - 26	42	7.11	130	18.4	48.8	5.2 - 7.6 - 10.8	5.2 - 6.7 - 9.5	4.5 - 5.6 - 7.8
	1600	314	0.096	.256	20 - 27 - 38	19 - 24 - 33	16 - 20 - 28	46	8.13	148	24.0	63.7	6.0 - 8.2 - 11.5	5.9 - 7.2 - 10.2	4.8 - 5.9 - 8.4

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption 10dB, re 10⁻¹² Watts. Dash in space denotes a NC value less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s) free jet. Vertical throw is given for the temperature differences shown. The proper representation of ΔT in Fahrenheit is (°R) and in Centigrade it is (°K).