

**KLB Performance Data**
**KLB, DISCHARGE & RADIATED SOUND DATA**

Unit Size	Flow Rate		Discharge Sound									Radiated Sound										
			Min Δ Ps		0.5" Δ Ps							Lp	Min ΔPs		0.5" Δ Ps							Lp
					Octave Band Sound Power, Lw										Octave Band Sound Power, Lw							
	CFM	(L/s)	"WG	(Pa)	2	3	4	5	6	7	NC	"WG	(Pa)	2	3	4	5	6	7	NC		
6	200	(94)	0.004	(1.0)	34	31	29	23	18	-	-	0.069	(17.2)	48	41	37	37	30	20	-		
	300	(142)	0.009	(2.2)	46	42	39	35	30	23	-	0.155	(38.6)	59	52	49	49	43	34	23		
	400	(189)	0.016	(4.0)	54	51	47	43	39	33	-	0.276	(68.6)	67	60	57	57	52	44	32		
	500	(236)	0.025	(6.2)	61	57	53	49	45	41	-	0.431	(107.3)	73	67	63	64	59	51	39		
8	300	(142)	0.003	(0.7)	31	28	25	20	16	-	-	0.049	(12.2)	44	36	32	30	24	14	-		
	500	(236)	0.008	(2.0)	46	42	38	35	31	26	-	0.136	(33.8)	58	50	47	45	40	31	21		
	700	(330)	0.016	(4.0)	55	51	47	44	41	37	-	0.266	(66.3)	67	60	56	55	50	42	31		
	900	(425)	0.026	(6.6)	63	58	54	52	48	45	-	0.440	(109.6)	74	67	64	62	58	51	40		
10	500	(236)	0.003	(0.8)	34	31	27	24	20	13	-	0.056	(13.9)	46	37	34	31	25	16	-		
	700	(330)	0.006	(1.5)	44	40	36	34	30	25	-	0.109	(27.2)	55	47	43	41	36	27	-		
	1000	(472)	0.013	(3.1)	54	50	46	44	41	37	-	0.223	(55.5)	65	57	54	51	47	39	28		
	1300	(614)	0.021	(5.3)	62	57	53	51	48	46	-	0.377	(93.8)	72	64	61	59	55	48	38		
12	800	(378)	0.004	(1.0)	38	34	30	29	25	19	-	0.069	(17.1)	43	34	30	27	21	11	-		
	1200	(566)	0.009	(2.2)	50	45	41	40	37	34	-	0.155	(38.6)	57	49	45	42	38	29	-		
	1600	(755)	0.016	(4.0)	58	53	49	48	46	44	-	0.275	(68.5)	68	60	56	53	50	41	32		
	2000	(944)	0.025	(6.2)	65	59	55	54	52	52	21	0.430	(107.1)	76	68	65	61	59	51	42		
14	1000	(472)	0.003	(0.8)	36	32	28	27	24	19	-	0.061	(15.1)	47	37	34	30	25	16	-		
	1500	(708)	0.008	(1.9)	48	43	39	39	36	33	-	0.136	(34.0)	58	49	46	41	38	29	-		
	2000	(944)	0.013	(3.3)	57	52	47	47	45	43	-	0.243	(60.4)	66	57	54	50	47	39	30		
	2500	(1180)	0.021	(5.2)	63	58	53	53	51	51	-	0.379	(94.3)	72	63	61	56	54	46	38		
16	1200	(566)	0.003	(0.7)	35	31	26	26	23	18	-	0.049	(12.2)	45	35	32	26	22	12	-		
	1800	(849)	0.006	(1.6)	47	42	37	37	35	32	-	0.110	(27.4)	56	46	43	38	34	26	-		
	2700	(1274)	0.014	(3.6)	58	53	48	49	47	46	-	0.248	(61.7)	67	58	55	50	47	40	31		
	3600	(1699)	0.025	(6.3)	67	61	56	57	56	56	24	0.440	(109.6)	75	66	63	58	56	49	41		
18	1600	(755)	0.003	(0.8)	37	33	28	28	26	21	-	0.054	(13.5)	38	36	33	27	23	14	-		
	2400	(1133)	0.007	(1.8)	49	44	39	40	38	35	-	0.122	(30.3)	53	48	45	39	36	28	-		
	3200	(1510)	0.013	(3.1)	57	52	47	48	46	46	-	0.217	(54.0)	64	56	53	47	45	37	27		
	4400	(2077)	0.024	(5.9)	66	60	55	57	56	57	23	0.410	(102.0)	76	65	62	57	55	48	43		

NOTES: Discharge sound power is the sound emitted from the unit discharge. Radiated sound power is the sound transmitted through the casing walls. All sound data is based on tests conducted in accordance with AHRI 880-11. Sound power levels are in dB, re 10<sup>-12</sup> Watts. ΔPs is the difference in static pressure from inlet to discharge. NC application data is from AHRI Standard 885-08 Appendix E, as a function of flow rate shown. All data points listed are application ratings outside the scope of the Certification Program. Minimum Ps for discharge sound has damper full open for 100% discharge. Minimum Ps for radiated sound has damper full closed for 100% bypass. Dash indicates a NC is less than 20. See Engineering section for reductions and definitions.

**KLB Control Information**

The following list of standard control arrangements are available with the KLB product offering. Each control approach offers pressure dependent, variable air volume, control to the zone. Control functions are identified by the Krueger control package designation.

**PNEUMATIC CONTROL ARRANGEMENTS**

Each control arrangement includes a factory supplied and installed pneumatic actuator.

1600 - Actuator Only; DA-NC Pressure Dependent Control  
 1601 - Actuator Only; RA-NO Pressure Dependent Control

**Pneumatic Control Legend:**

DA - Direct Acting Thermostat  
 RA - Reverse Acting Thermostat  
 NO - Normally Open Damper Position to the Zone  
 NC - Normally Closed Damper Position to the Zone

**ANALOG CONTROL ARRANGEMENT**

Pressure dependent control package consists of a 24 volt electric actuator, optional 24 volt transformer and a control enclosure.

2500 - Temperature Responsive Control - Cooling  
 2501 - Temperature Responsive Control - Cooling with Automatic Changeover