

1900 Performance Data: Return
IP/METRIC DATA: 1900 RETURN, 1/2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data		NC	Metric Data		Octave Band, dB						
	Air Flow	Press Ps		Air Flow	Press Ps	2	3	4	5	6	7	
	CFM/ft	"WG		L/s/m	Pa							
1 Slot	5	-0.003	-	8	-0.7	-	-	-	-	-	-	
	25	-0.070	21	39	-17.5	31	29	22	-	-	-	
	35	-0.138	27	54	-34.3	37	34	32	-	-	-	
	45	-0.228	31	70	-56.7	41	38	39	13	-	-	
	65	-0.475	40	101	-118.4	47	44	50	24	-	-	
2 Slots	10	-0.003	-	15	-0.7	-	-	-	-	-	-	
	46	-0.060	23	71	-14.8	33	30	23	-	-	-	
	64	-0.115	28	99	-28.7	38	36	32	-	-	-	
	82	-0.189	33	127	-47.1	43	40	39	14	-	-	
	118	-0.392	40	183	-97.5	49	45	50	24	-	-	
3 Slots	15	-0.003	-	23	-0.7	-	-	-	-	-	-	
	65	-0.053	23	101	-13.2	33	31	23	-	-	-	
	90	-0.101	29	139	-25.2	39	36	32	-	-	-	
	115	-0.165	33	178	-41.2	43	40	39	14	-	-	
	165	-0.340	40	255	-84.7	49	46	50	24	-	-	
4 Slots	20	-0.003	-	31	-0.7	-	-	-	-	-	-	
	84	-0.050	24	130	-12.4	34	32	23	-	-	-	
	116	-0.095	30	180	-23.6	40	37	32	-	-	-	
	148	-0.154	34	229	-38.4	44	41	39	14	-	-	
	212	-0.316	40	328	-78.7	50	47	50	24	-	-	
5 Slots	25	-0.003	-	39	-0.7	11	-	-	-	-	-	
	105	-0.050	25	163	-12.4	35	33	24	-	-	-	
	145	-0.095	31	225	-23.6	41	38	33	-	-	-	
	185	-0.154	35	286	-38.4	45	42	40	15	-	-	
	265	-0.316	41	410	-78.7	51	48	51	25	-	-	
6 Slots	30	-0.003	-	46	-0.7	12	11	-	-	-	-	
	120	-0.045	25	186	-11.2	35	33	23	-	-	-	
	165	-0.085	31	255	-21.2	41	38	33	-	-	-	
	210	-0.138	35	325	-34.3	45	42	40	14	-	-	
	300	-0.281	41	465	-70.0	51	48	50	24	-	-	
7 Slots	35	-0.003	-	54	-0.7	-	-	-	-	-	-	
	135	-0.042	25	209	-10.4	35	33	23	-	-	-	
	185	-0.079	31	286	-19.6	41	38	32	-	-	-	
	235	-0.127	35	364	-31.6	45	42	39	14	-	-	
	335	-0.258	41	519	-64.2	51	48	49	24	-	-	
8 Slots	40	-0.003	-	62	-0.7	13	12	-	-	-	-	
	150	-0.040	25	232	-9.8	35	33	23	-	-	-	
	205	-0.074	31	317	-18.4	41	38	32	-	-	-	
	260	-0.119	35	403	-29.6	45	42	39	13	-	-	
	370	-0.241	41	573	-59.9	51	48	49	23	-	-	

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Correction	-2	0	+2	+3	+5

1900 Performance Data: Return

IP/METRIC DATA: 1900 RETURN, 3/4" SLOT WIDTH, CONTINUOUS SLOT

	IP Data			NC	Metric Data		Octave Band, dB					
	Air Flow	Press Ps			Air Flow	Press Ps	2	3	4	5	6	7
	CFM/ft	"WG			L/s/m	Pa						
1 Slot	5	-0.002	-	8	-0.4	-	-	-	-	-	-	
	31	-0.068	17	48	-16.8	27	24	20	-	-	-	
	44	-0.136	23	68	-33.9	33	30	30	-	-	-	
	57	-0.228	28	88	-56.9	37	34	38	12	-	-	
	83	-0.484	39	129	-120.6	43	40	49	23	-	-	
2 Slots	10	-0.002	-	16	-0.4	-	-	-	-	-	-	
	58	-0.059	19	90	-14.7	29	26	21	-	-	-	
	82	-0.118	25	127	-29.4	35	32	31	-	-	-	
	106	-0.198	29	165	-49.2	39	36	39	13	-	-	
	154	-0.417	40	239	-103.8	45	42	50	24	-	-	
3 Slots	15	-0.002	-	23	-0.4	-	-	-	-	-	-	
	83	-0.054	20	129	-13.4	30	27	22	-	-	-	
	117	-0.107	25	182	-26.6	35	33	32	-	-	-	
	151	-0.178	30	234	-44.4	40	37	39	13	-	-	
	219	-0.375	40	340	-93.3	46	43	50	24	-	-	
4 Slots	20	-0.002	-	31	-0.4	-	-	-	-	-	-	
	110	-0.053	21	171	-13.2	31	28	23	-	-	-	
	155	-0.106	27	241	-26.3	37	34	33	-	-	-	
	200	-0.176	31	310	-43.8	41	38	40	14	-	-	
	290	-0.370	41	450	-92.0	47	44	51	25	11	-	
5 Slots	25	-0.002	-	39	-0.4	-	-	-	-	-	-	
	135	-0.051	21	210	-12.8	31	29	23	-	-	-	
	190	-0.102	27	295	-25.3	37	34	33	-	-	-	
	245	-0.169	32	380	-42.0	42	38	41	15	-	-	
	355	-0.354	41	551	-88.3	48	44	51	25	11	-	
6 Slots	30	-0.002	-	47	-0.4	-	-	-	-	-	-	
	150	-0.044	21	233	-10.9	31	28	22	-	-	-	
	210	-0.086	27	326	-21.4	37	34	32	-	-	-	
	270	-0.142	31	419	-35.5	41	38	39	13	-	-	
	390	-0.297	40	605	-74.0	47	44	50	24	-	-	
7 Slots	35	-0.002	-	54	-0.4	-	-	-	-	-	-	
	175	-0.044	22	272	-10.9	32	29	22	-	-	-	
	245	-0.086	27	380	-21.4	37	35	32	-	-	-	
	315	-0.142	32	489	-35.5	42	39	40	14	-	-	
	455	-0.297	40	706	-74.0	48	44	50	24	-	-	
8 Slots	40	-0.002	-	62	-0.4	-	-	-	-	-	-	
	200	-0.044	22	310	-10.9	32	30	23	-	-	-	
	280	-0.086	28	435	-21.4	38	35	33	-	-	-	
	360	-0.142	32	559	-35.5	42	39	40	14	-	-	
	520	-0.297	41	807	-74.0	48	45	51	25	11	-	

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Correction	-2	0	+2	+3	+5

LINEAR SLOT DIFFUSERS

1900

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1900 Performance Data: Return
IP/METRIC DATA: 1900 RETURN, 1" SLOT WIDTH, CONTINUOUS SLOT

	IP Data		NC	Metric Data		Octave Band, dB						
	Air Flow	Press Ps		Air Flow	Press Ps	2	3	4	5	6	7	
	CFM/ft	"WG		L/s/m	Pa							
1 Slot	5	-0.001	-	8	-0.3	-	-	-	-	-	-	
	45	-0.091	22	70	-22.7	32	17	-	-	-	-	
	65	-0.190	29	101	-47.3	39	23	21	-	-	-	
	85	-0.325	33	132	-81.0	43	27	28	-	-	-	
	125	-0.703	40	194	-175.1	50	33	40	12	-	-	
2 Slots	10	-0.001	-	16	-0.3	-	-	-	-	-	-	
	80	-0.072	24	124	-17.9	34	18	-	-	-	-	
	115	-0.149	30	179	-37.0	40	24	20	-	-	-	
	150	-0.253	34	233	-63.0	44	28	28	-	-	-	
	220	-0.545	41	342	-135.6	51	34	39	12	-	-	
3 Slots	15	-0.001	-	23	-0.3	-	-	-	-	-	-	
	105	-0.055	23	163	-13.7	33	18	-	-	-	-	
	150	-0.113	29	233	-28.0	39	23	18	-	-	-	
	195	-0.190	33	303	-47.3	43	27	25	-	-	-	
	285	-0.406	40	442	-101.1	50	34	36	-	-	-	
4 Slots	20	-0.001	-	31	-0.3	-	-	-	-	-	-	
	130	-0.048	23	202	-11.8	33	18	-	-	-	-	
	185	-0.096	29	287	-24.0	39	23	17	-	-	-	
	240	-0.162	33	373	-40.3	43	27	24	-	-	-	
	350	-0.345	40	543	-85.8	50	33	35	-	-	-	
5 Slots	25	-0.001	-	39	-0.3	-	-	-	-	-	-	
	155	-0.043	23	241	-10.8	33	18	-	-	-	-	
	220	-0.087	29	342	-21.7	39	23	16	-	-	-	
	285	-0.146	33	442	-36.4	43	28	24	-	-	-	
	415	-0.310	40	644	-77.2	50	34	35	-	-	-	
6 Slots	30	-0.001	-	47	-0.3	-	-	-	-	-	-	
	180	-0.041	23	279	-10.1	33	18	-	-	-	-	
	255	-0.081	29	396	-20.2	39	24	16	-	-	-	
	330	-0.136	34	512	-33.9	44	28	24	-	-	-	
	480	-0.288	40	745	-71.7	50	34	35	-	-	-	
7 Slots	35	-0.001	-	54	-0.3	-	-	-	-	-	-	
	205	-0.039	24	318	-9.6	34	18	-	-	-	-	
	290	-0.077	30	450	-19.2	40	24	16	-	-	-	
	375	-0.129	34	582	-32.2	44	28	24	-	-	-	
	545	-0.273	40	846	-67.9	50	34	34	-	-	-	
8 Slots	40	-0.001	-	62	-0.3	-	-	-	-	-	-	
	230	-0.037	24	357	-9.3	34	19	-	-	-	-	
	325	-0.074	30	505	-18.5	40	24	16	-	-	-	
	420	-0.124	34	652	-30.9	44	28	24	-	-	-	
	610	-0.262	40	947	-65.1	50	34	34	-	-	-	

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NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Correction	-2	0	+2	+3	+5