

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 1 Slot

Model TBD350 1/2 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.053	0.120	0.214	0.334	0.481	0.654				
	Static Pressure (in. w.g.)	0.051	0.115	0.204	0.318	0.458	0.624				
	Flow Rate (cfm)	39	59	78	98	118	137				
	Sound (NC)	-	25	35	42	48	53				
	Throw (ft.)	4-7-14	7-11-19	10-14-22	12-18-25	14-19-27	17-21-30				
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.141	0.317	0.564							
	Static Pressure (in. w.g.)	0.139	0.312	0.554							
	Flow Rate (cfm)	70	105	140							
	Sound (NC)	26	40	49							
	Throw (ft.)	8-13-21	13-18-26	17-21-30							
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.020	0.045	0.080	0.124	0.179	0.244	0.319	0.403	0.498	
	Static Pressure (in. w.g.)	0.017	0.039	0.070	0.109	0.157	0.213	0.279	0.353	0.436	
	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196	
	NC	-	-	20	28	34	39	43	47	50	
	Throw (ft.)	1-3-7	3-5-10	4-7-13	6-8-16	7-10-17	8-12-19	9-13-20	10-15-21	11-16-22	
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.045	0.100	0.178	0.278	0.401	0.546				
	Static Pressure (in. w.g.)	0.042	0.095	0.168	0.263	0.378	0.515				
	Flow Rate (cfm)	70	105	140	175	209	244				
	Sound (NC)	-	23	32	39	45	51				
	Throw (ft.)	4-6-12	6-9-16	8-12-19	10-15-21	12-16-23	14-17-25				
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.092	0.207	0.367	0.574						
	Static Pressure (in. w.g.)	0.089	0.201	0.357	0.558						
	Flow Rate (cfm)	109	164	218	273						
	Sound (NC)	20	33	43	50						
	Throw (ft.)	6-9-17	9-14-20	12-17-23	15-18-26						
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.174	0.391	0.695							
	Static Pressure (in. w.g.)	0.171	0.385	0.685							
	Flow Rate (cfm)	157	236	314							
	Sound (NC)	29	43	52							
	Throw (ft.)	9-13-20	13-17-24	16-20-28							
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.015	0.035	0.061	0.096	0.138	0.188	0.245	0.311	0.384	0.552
	Static Pressure (in. w.g.)	0.013	0.029	0.051	0.080	0.116	0.157	0.206	0.260	0.321	0.463
	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196	235
	Sound (NC)	-	-	16	24	30	35	39	43	47	53
	Throw (ft.)	1-1-4	1-3-6	2-4-8	3-5-10	4-6-11	4-7-13	5-8-14	6-9-15	6-10-16	8-11-17
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.032	0.072	0.128	0.200	0.288	0.392	0.512			
	Static Pressure (in. w.g.)	0.029	0.066	0.118	0.184	0.265	0.361	0.472			
	Flow Rate (cfm)	70	105	140	175	209	244	279			
	Sound (NC)	-	18	27	35	41	46	50			
	Throw (ft.)	2-3-7	3-5-10	5-7-13	6-9-15	7-10-16	8-12-17	9-13-19			
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.063	0.143	0.253	0.396	0.570					
	Static Pressure (in. w.g.)	0.061	0.137	0.243	0.380	0.548					
	Flow Rate (cfm)	109	164	218	273	327					
	Sound (NC)	-	28	37	45	51					
	Throw (ft.)	4-5-11	5-8-14	7-11-16	9-13-18	11-14-20					
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.117	0.264	0.469							
	Static Pressure (in. w.g.)	0.115	0.258	0.459							
	Flow Rate (cfm)	157	236	314							
	Sound (NC)	24	37	46							
	Throw (ft.)	5-8-14	8-11-17	10-14-20							

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
2. Airflow is in cubic feet per minute [cfm].
3. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
4. Blanks "-" indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
7. Throw data is based on supply air and room air being at isothermal conditions.
8. Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
9. Blank area outside recommended operating range.
10. Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 1 Slot (continued)

Model TBD375 3/4 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.040	0.090	0.159	0.249	0.358	0.488	0.637			
	Static Pressure (in. w.g.)	0.037	0.084	0.149	0.233	0.336	0.457	0.597			
	Flow Rate (cfm)	39	59	78	98	118	137	157			
	Sound (NC)	-	22	33	41	48	54	58			
	Throw (ft.)	3-6-13	6-10-19	9-13-22	11-16-25	13-19-27	15-21-30	17-22-32			
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.102	0.229	0.406	0.635						
	Static Pressure (in. w.g.)	0.099	0.223	0.396	0.619						
	Flow Rate (cfm)	70	105	140	175						
	Sound (NC)	26	41	52	60						
	Throw (ft.)	8-11-21	11-17-26	15-21-30	19-24-33						
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.220	0.495	0.880	1.374	1.979	2.694	3.518	4.453	5.497	7.916
	Static Pressure (in. w.g.)	0.217	0.489	0.870	1.359	1.957	2.663	3.478	4.402	5.435	7.826
	Flow Rate (cfm)	109	164	218	273	327	382	436	491	545	654
	Sound (NC)	42	57	68	76	83	88	93	98	102	108
	Throw (ft.)	12-18-26	18-23-32	22-26-37	24-29-42	26-32-46	28-35-49	30-37-53	32-40-56	34-42-59	37-46-65
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.014	0.032	0.057	0.090	0.129	0.176	0.229	0.290	0.358	0.516
	Static Pressure (in. w.g.)	0.012	0.027	0.047	0.074	0.107	0.145	0.189	0.240	0.296	0.426
	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196	235
	Sound (NC)	-	-	-	20	27	33	38	42	46	53
	Throw (ft.)	1-2-6	2-4-9	3-6-12	5-7-14	6-9-17	7-10-19	8-12-20	9-13-21	10-14-22	12-17-24
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.033	0.075	0.133	0.208	0.299	0.408	0.532			
	Static Pressure (in. w.g.)	0.031	0.069	0.123	0.192	0.277	0.377	0.492			
	Flow Rate (cfm)	70	105	140	175	209	244	279			
	Sound (NC)	-	19	29	37	44	50	55			
	Throw (ft.)	2-5-10	5-8-15	7-10-19	9-13-21	10-15-23	12-17-25	14-19-26			
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.067	0.151	0.269	0.421	0.606					
	Static Pressure (in. w.g.)	0.065	0.146	0.259	0.405	0.584					
	Flow Rate (cfm)	109	164	218	273	327					
	Sound (NC)	18	33	44	52	59					
	Throw (ft.)	5-8-16	8-12-20	11-16-23	13-18-26	16-20-29					
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.124	0.279	0.496							
	Static Pressure (in. w.g.)	0.122	0.273	0.486							
	Flow Rate (cfm)	157	236	314							
	Sound (NC)	30	45	56							
	Throw (ft.)	8-12-20	12-17-24	15-20-28							
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.011	0.024	0.042	0.066	0.095	0.129	0.169	0.214	0.264	0.380
	Static Pressure (in. w.g.)	0.008	0.018	0.032	0.050	0.073	0.099	0.129	0.163	0.202	0.290
	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196	235
	Sound (NC)	-	-	-	-	21	26	31	36	40	46
	Throw (ft.)	0-1-3	1-2-5	1-3-7	2-4-8	3-5-10	4-6-12	4-7-13	5-7-15	5-8-16	7-10-17
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.024	0.054	0.095	0.149	0.214	0.292	0.381	0.482	0.595	
	Static Pressure (in. w.g.)	0.021	0.048	0.085	0.133	0.192	0.261	0.341	0.431	0.533	
	Flow Rate (cfm)	70	105	140	175	209	244	279	314	349	
	Sound (NC)	-	-	22	31	37	43	48	52	56	
	Throw (ft.)	1-3-6	3-4-9	4-6-12	5-7-15	6-9-16	7-10-17	8-12-19	9-13-20	10-15-21	
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.047	0.106	0.188	0.294	0.423	0.576				
	Static Pressure (in. w.g.)	0.045	0.100	0.178	0.278	0.401	0.546				
	Flow Rate (cfm)	109	164	218	273	327	382				
	Sound (NC)	-	26	36	45	51	57				
	Throw (ft.)	3-5-9	5-7-14	6-9-16	8-11-18	9-14-20	11-15-22				
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.085	0.191	0.340	0.532						
	Static Pressure (in. w.g.)	0.083	0.186	0.330	0.516						
	Flow Rate (cfm)	157	236	314	393						
	Sound (NC)	23	38	48	57						
	Throw (ft.)	4-7-13	7-10-17	9-13-20	11-16-22						

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
2. Airflow is in cubic feet per minute [cfm].
3. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
4. Blanks "-" indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
7. Throw data is based on supply air and room air being at isothermal conditions.
8. Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
9. Blank area outside recommended operating range.
10. Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 1 Slot (continued)

Model TBD3100 1 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.026	0.057	0.102	0.159	0.230	0.313	0.408	0.517	0.638	
	Static Pressure (in. w.g.)	0.023	0.052	0.092	0.144	0.207	0.282	0.368	0.466	0.575	
	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196	
	Sound (NC)	-	-	16	25	31	37	42	46	50	
	Throw (ft.)	2-5-12	5-9-18	8-12-22	10-15-25	12-18-27	14-20-30	16-22-32	18-24-34	19-25-35	
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.055	0.124	0.221	0.345	0.496	0.676				
	Static Pressure (in. w.g.)	0.053	0.119	0.211	0.329	0.474	0.645				
	Flow Rate (cfm)	70	105	140	175	209	244				
	Sound (NC)	-	20	30	39	45	51				
	Throw (ft.)	7-10-21	10-16-26	14-21-30	17-24-33	21-26-37	23-28-39				
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.107	0.240	0.427							
	Static Pressure (in. w.g.)	0.104	0.234	0.417							
	Flow Rate (cfm)	109	164	218							
	NC	17	32	42							
	Throw (ft.)	11-16-26	16-23-32	22-26-37							
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.011	0.026	0.046	0.071	0.102	0.139	0.182	0.231	0.285	0.410
	Static Pressure (in. w.g.)	0.009	0.020	0.036	0.056	0.080	0.109	0.142	0.180	0.222	0.320
	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196	235
	Sound (NC)	-	-	-	-	17	23	28	32	36	43
	Throw (ft.)	1-1-5	1-3-8	2-5-10	4-6-13	5-8-15	6-9-18	7-10-20	8-12-21	9-13-22	10-15-24
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.022	0.050	0.088	0.138	0.199	0.271	0.353	0.447	0.552	
	Static Pressure (in. w.g.)	0.020	0.044	0.078	0.122	0.176	0.240	0.313	0.397	0.490	
	Flow Rate (cfm)	70	105	140	175	209	244	279	314	349	
	Sound (NC)	-	-	-	22	29	35	39	44	48	
	Throw (ft.)	2-4-9	4-7-14	6-9-18	8-11-21	9-14-23	11-16-25	12-18-26	14-20-28	15-21-30	
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.039	0.088	0.157	0.245	0.353	0.480	0.627			
	Static Pressure (in. w.g.)	0.037	0.083	0.147	0.229	0.330	0.449	0.587			
	Flow Rate (cfm)	109	164	218	273	327	382	436			
	Sound (NC)	-	-	24	32	39	45	50			
	Throw (ft.)	4-7-14	7-11-20	10-14-23	12-18-26	14-20-29	17-22-31	19-23-33			
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.065	0.147	0.261	0.408	0.588					
	Static Pressure (in. w.g.)	0.063	0.141	0.251	0.392	0.565					
	Flow Rate (cfm)	157	236	314	393	471					
	Sound (NC)	-	23	33	42	48					
	Throw (ft.)	7-10-20	10-15-24	14-20-28	17-22-31	20-24-34					
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.009	0.020	0.036	0.056	0.081	0.110	0.144	0.183	0.225	0.325
	Static Pressure (in. w.g.)	0.007	0.015	0.026	0.041	0.059	0.080	0.104	0.132	0.163	0.235
	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196	235
	Sound (NC)	-	-	-	-	-	18	23	28	32	38
	Throw (ft.)	0-1-2	1-1-4	1-2-6	2-4-7	2-4-9	3-5-10	4-6-12	4-7-13	5-7-15	6-9-17
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.017	0.038	0.068	0.106	0.152	0.207	0.271	0.343	0.423	0.609
	Static Pressure (in. w.g.)	0.014	0.032	0.058	0.090	0.130	0.177	0.231	0.292	0.361	0.519
	Flow Rate (cfm)	70	105	140	175	209	244	279	314	349	419
	Sound (NC)	-	-	-	17	24	30	35	39	43	50
	Throw (ft.)	1-2-5	2-4-8	3-5-10	4-7-13	5-8-16	6-9-17	7-10-19	8-12-20	9-13-21	10-16-23
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.029	0.066	0.117	0.183	0.263	0.358	0.467	0.591		
	Static Pressure (in. w.g.)	0.027	0.060	0.107	0.167	0.240	0.327	0.427	0.541		
	Flow Rate (cfm)	109	164	218	273	327	382	436	491		
	Sound (NC)	-	-	19	27	34	40	44	49		
	Throw (ft.)	2-4-8	4-6-12	5-8-16	7-10-18	8-12-20	9-14-22	11-16-23	12-17-25		
Length = 60 in. Inlet = 12 in.	Total Pressure	0.048	0.107	0.190	0.297	0.428	0.583				
	Static Pressure	0.045	0.101	0.180	0.282	0.406	0.552				
	Flow Rate	157	236	314	393	471	550				
	NC	-	17	28	36	43	48				
	Throw 150,100,50	4-6-12	6-9-17	8-12-20	10-15-22	12-17-24	14-18-26				

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
2. Airflow is in cubic feet per minute [cfm].
3. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
4. Blanks “-” indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
7. Throw data is based on supply air and room air being at isothermal conditions.
8. Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
9. Blank area outside recommended operating range.
10. Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 2 Slot

Model TBD350 1/2 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.045	0.080	0.124	0.179	0.244	0.319	0.403	0.498		
	Static Pressure (in. w.g.)	0.039	0.070	0.109	0.157	0.213	0.279	0.353	0.436		
	Flow Rate (cfm)	59	78	98	118	137	157	176	196		
	Sound (NC)	-	20	28	34	39	43	47	50		
	Throw (ft.)	7-11-19	10-14-22	12-18-25	14-19-27	17-21-30	18-22-32	19-24-34	20-25-35		
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.100	0.178	0.278	0.401						
	Static Pressure (in. w.g.)	0.095	0.168	0.263	0.378						
	Flow Rate (cfm)	105	140	175	209						
	Sound (NC)	23	32	39	45						
	Throw (ft.)	10-16-26	14-21-30	17-24-33	21-26-37						
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.207	0.367	0.574							
	Static Pressure (in. w.g.)	0.201	0.357	0.558							
	Flow Rate (cfm)	164	218	273							
	NC	33	43	50							
	Throw (ft.)	16-23-32	22-26-37	24-29-42							
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.039	0.061	0.088	0.120	0.157	0.199	0.245	0.353	0.480
	Static Pressure (in. w.g.)		0.029	0.046	0.066	0.090	0.117	0.148	0.183	0.263	0.358
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	17	23	28	32	36	40	46	51
	Throw (ft.)		2-5-10	4-6-13	5-8-15	6-9-18	7-10-20	8-12-21	9-13-22	10-15-24	12-18-26
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.039	0.069	0.108	0.156	0.212	0.277	0.351	0.433	0.624	
	Static Pressure (in. w.g.)	0.033	0.059	0.093	0.133	0.182	0.237	0.300	0.371	0.534	
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	
	Sound (NC)	-	18	25	31	37	41	45	48	54	
	Throw (ft.)	4-7-14	6-9-18	8-11-21	9-14-23	11-16-25	12-18-26	14-20-28	15-21-30	18-23-32	
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.069	0.124	0.193	0.278	0.378	0.494	0.625			
	Static Pressure (in. w.g.)	0.064	0.114	0.177	0.256	0.348	0.454	0.575			
	Flow Rate (cfm)	164	218	273	327	382	436	491			
	Sound (NC)	17	27	34	40	45	50	53			
	Throw (ft.)	7-11-20	10-14-23	12-18-26	14-20-29	17-22-31	19-23-33	20-25-35			
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.120	0.214	0.334	0.482	0.655					
	Static Pressure (in. w.g.)	0.115	0.204	0.319	0.459	0.625					
	Flow Rate (cfm)	236	314	393	471	550					
	Sound (NC)	25	35	42	48	53					
	Throw (ft.)	10-15-24	14-20-28	17-22-31	20-24-34	21-26-37					
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.033	0.052	0.075	0.102	0.133	0.168	0.208	0.299	0.407
	Static Pressure (in. w.g.)		0.023	0.036	0.052	0.071	0.093	0.118	0.145	0.209	0.285
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	21	26	30	34	37	43	48
	Throw (ft.)		1-2-6	2-4-7	2-4-9	3-5-10	4-6-12	4-7-13	5-7-15	6-9-17	7-10-18
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.031	0.054	0.085	0.122	0.166	0.217	0.275	0.339	0.488	0.664
	Static Pressure (in. w.g.)	0.025	0.044	0.069	0.100	0.136	0.177	0.224	0.277	0.398	0.542
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489
	Sound (NC)	-	-	22	28	33	37	41	45	51	56
	Throw (ft.)	2-4-8	3-5-10	4-7-13	5-8-16	6-9-17	7-10-19	8-12-20	9-13-21	10-16-23	12-17-25
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.051	0.091	0.142	0.205	0.279	0.365	0.462	0.570		
	Static Pressure (in. w.g.)	0.046	0.081	0.127	0.183	0.249	0.325	0.411	0.508		
	Flow Rate (cfm)	164	218	273	327	382	436	491	545		
	Sound (NC)	-	22	30	36	41	45	49	52		
	Throw (ft.)	4-6-12	5-8-16	7-10-18	8-12-20	9-14-22	11-16-23	12-17-25	14-18-26		
Length = 60 in. Inlet = 12 in.	Total Pressure	0.085	0.152	0.237	0.342	0.465	0.607				
	Static Pressure	0.080	0.142	0.222	0.319	0.434	0.567				
	Flow Rate	236	314	393	471	550	628				
	NC	20	30	37	43	48	53				
	Throw 150,100,50	6-9-17	8-12-20	10-15-22	12-17-24	14-18-26	16-20-28				

Performance Notes:

- Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
- Airflow is in cubic feet per minute [cfm].
- NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
- Blanks "-" indicate a NC level below 15.
- All pressures are in inches of water column [in. w.g.].
- Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
- Blank area outside recommended operating range.
- Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 2 Slot (continued)

Model TBD375 3/4 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.032	0.057	0.090	0.129	0.176	0.229	0.290	0.358	0.516	
	Static Pressure (in. w.g.)	0.027	0.047	0.074	0.107	0.145	0.189	0.240	0.296	0.426	
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	
	Sound (NC)	-	-	20	27	33	38	42	46	53	
	Throw (ft.)	3-7-15	6-10-20	8-13-25	10-15-27	12-18-30	13-20-32	15-23-34	17-25-35	20-27-39	
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.075	0.133	0.208	0.299	0.408	0.532	0.674			
	Static Pressure (in. w.g.)	0.069	0.123	0.192	0.277	0.377	0.492	0.623			
	Flow Rate (cfm)	105	140	175	209	244	279	314			
	Sound (NC)	19	29	37	44	50	55	59			
	Throw (ft.)	9-13-26	12-18-30	15-22-33	18-26-37	21-28-39	24-30-42	26-32-45			
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.151	0.269	0.421	0.606						
	Static Pressure (in. w.g.)	0.146	0.259	0.405	0.584						
	Flow Rate (cfm)	164	218	273	327						
	Sound (NC)	33	44	52	59						
	Throw (ft.)	14-21-32	19-26-37	23-29-42	26-32-46						
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.023	0.036	0.052	0.070	0.092	0.116	0.143	0.206	0.281
	Static Pressure (in. w.g.)		0.013	0.020	0.029	0.040	0.052	0.066	0.081	0.117	0.159
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	19	23	27	34	40
	Throw (ft.)		1-3-9	2-5-11	3-7-13	4-8-15	5-9-17	7-10-20	7-11-22	9-13-24	10-15-26
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.027	0.049	0.076	0.110	0.150	0.195	0.247	0.305	0.440	0.598
	Static Pressure (in. w.g.)	0.022	0.039	0.061	0.087	0.119	0.155	0.197	0.243	0.350	0.476
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489
	Sound (NC)	-	-	17	24	29	34	39	43	49	55
	Throw (ft.)	2-5-12	4-8-16	6-10-19	8-12-23	9-14-25	10-16-26	12-17-28	13-19-30	16-23-32	18-25-35
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.052	0.092	0.144	0.207	0.281	0.367	0.465	0.574		
	Static Pressure (in. w.g.)	0.046	0.082	0.128	0.184	0.251	0.328	0.415	0.512		
	Flow Rate (cfm)	164	218	273	327	382	436	491	545		
	Sound (NC)	-	22	30	37	42	47	52	55		
	Throw (ft.)	6-9-18	8-12-23	10-15-26	12-18-29	14-21-31	16-23-33	18-25-35	20-26-37		
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.090	0.160	0.249	0.359	0.489	0.638				
	Static Pressure (in. w.g.)	0.084	0.150	0.234	0.336	0.458	0.598				
	Flow Rate (cfm)	236	314	393	471	550	628				
	Sound (NC)	22	33	41	48	54	59				
	Throw (ft.)	9-13-24	12-17-28	15-22-31	17-24-34	20-26-37	23-28-40				
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.017	0.027	0.039	0.053	0.069	0.088	0.108	0.156	0.213
	Static Pressure (in. w.g.)		0.007	0.012	0.017	0.023	0.030	0.037	0.046	0.066	0.090
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	-	18	22	28	34
	Throw (ft.)		1-1-5	1-2-6	1-3-7	2-4-9	2-5-10	3-6-11	4-6-12	5-7-15	6-9-17
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.020	0.036	0.057	0.081	0.111	0.145	0.183	0.226	0.326	0.443
	Static Pressure (in. w.g.)	0.015	0.026	0.041	0.059	0.080	0.105	0.133	0.164	0.236	0.321
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489
	Sound (NC)	-	-	-	18	23	28	33	36	43	49
	Throw (ft.)	1-2-7	2-4-9	3-5-11	4-7-13	5-8-15	6-9-18	7-10-20	7-11-21	9-13-23	10-15-25
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.037	0.067	0.104	0.150	0.204	0.266	0.337	0.416	0.599	
	Static Pressure (in. w.g.)	0.032	0.057	0.088	0.127	0.173	0.226	0.287	0.354	0.509	
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	
	Sound (NC)	-	15	23	30	36	41	45	49	56	
	Throw (ft.)	3-5-10	5-7-14	6-9-17	7-10-20	8-12-22	9-14-23	10-15-25	11-17-26	14-20-28	
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.064	0.113	0.177	0.255	0.347	0.454	0.574			
	Static Pressure (in. w.g.)	0.058	0.103	0.162	0.233	0.317	0.414	0.524			
	Flow Rate (cfm)	236	314	393	471	550	628	707			
	Sound (NC)	15	26	34	41	47	52	56			
	Throw (ft.)	5-7-15	7-10-20	8-12-22	10-15-24	11-17-26	13-20-28	15-21-30			

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
2. Airflow is in cubic feet per minute [cfm].
3. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
4. Blanks “-” indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
7. Throw data is based on supply air and room air being at isothermal conditions.
8. Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
9. Blank area outside recommended operating range.
10. Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 2 Slot (continued)

Model TBD3100 1 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.026	0.046	0.071	0.102	0.139	0.182	0.231	0.285	0.410	0.558
	Static Pressure (in. w.g.)	0.020	0.036	0.056	0.080	0.109	0.142	0.180	0.222	0.320	0.436
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	274
	Sound (NC)	-	-	-	17	23	28	32	36	43	48
	Throw (ft.)	5-9-18	8-12-22	10-15-25	12-18-27	14-20-30	16-22-32	18-24-34	19-25-35	22-27-39	24-30-42
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.050	0.088	0.138	0.199	0.271	0.353	0.447	0.552		
	Static Pressure (in. w.g.)	0.044	0.078	0.122	0.176	0.240	0.313	0.397	0.490		
	Flow Rate (cfm)	105	140	175	209	244	279	314	349		
	Sound (NC)	-	-	22	29	35	39	44	48		
	Throw (ft.)	10-16-26	14-21-30	17-24-33	21-26-37	23-28-39	24-30-42	26-32-45	27-33-47		
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.088	0.157	0.245	0.353	0.480	0.627				
	Static Pressure (in. w.g.)	0.083	0.147	0.229	0.330	0.449	0.587				
	Flow Rate (cfm)	164	218	273	327	382	436				
	Sound (NC)	-	24	32	39	45	50				
	Throw (ft.)	16-23-32	22-26-37	24-29-42	26-32-46	28-35-49	30-37-53				
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.023	0.036	0.052	0.070	0.092	0.116	0.144	0.207	0.282
	Static Pressure (in. w.g.)		0.013	0.020	0.029	0.040	0.052	0.066	0.081	0.117	0.160
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	15	20	24	30	36
	Throw (ft.)		1-2-8	1-3-10	2-5-12	3-6-13	4-8-15	5-9-17	6-10-19	8-12-23	9-13-26
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.023	0.040	0.063	0.091	0.123	0.161	0.204	0.252	0.362	0.493
	Static Pressure (in. w.g.)	0.017	0.030	0.047	0.068	0.093	0.121	0.153	0.189	0.273	0.371
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489
	Sound (NC)	-	-	-	-	20	25	30	34	40	46
	Throw (ft.)	2-4-10	3-7-14	5-9-17	7-10-21	8-12-24	9-14-26	10-15-28	11-17-30	14-21-32	16-24-35
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.037	0.066	0.103	0.148	0.201	0.263	0.333	0.411	0.592	
	Static Pressure (in. w.g.)	0.031	0.056	0.087	0.126	0.171	0.223	0.283	0.349	0.502	
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	
	Sound (NC)	-	-	17	24	29	34	39	42	49	
	Throw (ft.)	4-8-16	7-11-21	9-13-26	11-16-29	12-19-31	14-21-33	16-24-35	18-26-37	21-29-40	
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.057	0.102	0.160	0.230	0.313	0.409	0.517	0.639		
	Static Pressure (in. w.g.)	0.052	0.092	0.144	0.208	0.282	0.369	0.467	0.576		
	Flow Rate (cfm)	236	314	393	471	550	628	707	785		
	Sound (NC)	-	17	25	31	37	42	46	50		
	Throw (ft.)	8-12-23	10-15-28	13-19-31	15-23-34	18-26-37	21-28-40	23-30-42	26-31-44		
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.019	0.030	0.043	0.058	0.076	0.096	0.118	0.170	0.232
	Static Pressure (in. w.g.)		0.009	0.014	0.020	0.027	0.036	0.045	0.056	0.081	0.110
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	-	16	20	27	32
	Throw (ft.)		0-1-4	1-1-5	1-2-6	1-3-8	2-4-9	2-5-10	3-5-11	4-6-13	5-8-15
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.018	0.032	0.050	0.072	0.098	0.128	0.163	0.201	0.289	0.393
	Static Pressure (in. w.g.)	0.012	0.022	0.035	0.050	0.068	0.089	0.112	0.138	0.199	0.271
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489
	Sound (NC)	-	-	-	-	16	21	26	30	36	42
	Throw (ft.)	1-2-6	1-3-8	2-5-10	3-6-12	4-7-13	5-8-15	6-9-17	6-10-19	8-12-23	9-13-25
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.029	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.460	0.626
	Static Pressure (in. w.g.)	0.023	0.041	0.064	0.093	0.126	0.165	0.208	0.257	0.370	0.504
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	-	-	19	25	30	34	38	45	50
	Throw (ft.)	2-4-9	3-6-12	5-8-15	6-9-18	7-11-21	8-12-23	9-14-25	10-15-26	12-18-28	14-21-31
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.044	0.078	0.121	0.175	0.238	0.311	0.394	0.486		
	Static Pressure (in. w.g.)	0.038	0.068	0.106	0.152	0.208	0.271	0.343	0.424		
	Flow Rate (cfm)	236	314	393	471	550	628	707	785		
	Sound (NC)	-	-	20	27	32	37	42	45		
	Throw (ft.)	4-6-13	6-9-17	7-11-22	9-13-24	10-15-26	12-17-28	13-19-30	14-22-31		

Performance Notes:

- Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
- Airflow is in cubic feet per minute [cfm].
- NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
- Blanks "-" indicate an NC level below 15.
- All pressures are in inches of water column [in. w.g.].
- Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
- Blank area outside recommended operating range.
- Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 3 Slot

Model TBD3350 1/2 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.029	0.051	0.079	0.114	0.155	0.203	0.257	0.317	0.457	0.622
	Static Pressure (in. w.g.)	0.023	0.041	0.064	0.092	0.125	0.163	0.206	0.255	0.367	0.499
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	274
	Sound (NC)	-	-	21	27	32	36	40	44	50	55
	Throw (ft.)	3-7-15	6-10-20	8-13-25	10-15-27	12-18-30	13-20-32	15-23-34	17-25-35	20-27-39	24-30-42
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.056	0.099	0.155	0.224	0.304	0.397	0.503	0.621		
	Static Pressure (in. w.g.)	0.050	0.089	0.140	0.201	0.274	0.358	0.452	0.559		
	Flow Rate (cfm)	105	140	175	209	244	279	314	349		
	Sound (NC)	-	23	31	37	42	46	50	54		
	Throw (ft.)	9-13-26	12-18-30	15-22-33	18-26-37	21-28-39	24-30-42	26-32-45	27-33-47		
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.107	0.190	0.296	0.427	0.581					
	Static Pressure (in. w.g.)	0.101	0.180	0.281	0.404	0.550					
	Flow Rate (cfm)	164	218	273	327	382					
	NC	24	33	40	46	51					
	Throw (ft.)	14-21-32	19-26-37	23-29-42	26-32-46	28-35-49					
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.030	0.046	0.067	0.091	0.119	0.150	0.185	0.267	0.363
	Static Pressure (in. w.g.)		0.020	0.031	0.044	0.060	0.079	0.100	0.123	0.177	0.241
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	19	24	28	32	36	42	47
	Throw (ft.)		1-3-9	2-5-11	3-7-13	4-8-15	5-9-17	7-10-20	7-11-22	9-13-24	10-15-26
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.045	0.071	0.102	0.139	0.182	0.230	0.284	0.409	0.557
	Static Pressure (in. w.g.)		0.035	0.055	0.080	0.109	0.142	0.180	0.222	0.319	0.434
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	19	25	30	35	39	42	48	53
	Throw (ft.)		4-8-16	6-10-19	8-12-23	9-14-25	10-16-26	12-17-28	13-19-30	16-23-32	18-25-35
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.041	0.073	0.114	0.163	0.223	0.291	0.368	0.454	0.654	
	Static Pressure (in. w.g.)	0.035	0.063	0.098	0.141	0.192	0.251	0.317	0.392	0.564	
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	
	Sound (NC)	-	19	26	32	37	42	46	49	55	
	Throw (ft.)	6-9-18	8-12-23	10-15-26	12-18-29	14-21-31	16-23-33	18-25-35	20-26-37	23-29-40	
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.066	0.117	0.182	0.263	0.357	0.467	0.591			
	Static Pressure (in. w.g.)	0.060	0.107	0.167	0.240	0.327	0.427	0.540			
	Flow Rate (cfm)	236	314	393	471	550	628	707			
	Sound (NC)	16	26	33	39	44	49	53			
	Throw (ft.)	9-13-24	12-17-28	15-22-31	17-24-34	20-26-37	23-28-40	24-30-42			
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.026	0.041	0.059	0.081	0.106	0.134	0.165	0.237	0.323
	Static Pressure (in. w.g.)		0.016	0.026	0.037	0.050	0.066	0.083	0.103	0.148	0.201
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	17	22	27	30	34	40	45
	Throw (ft.)		1-1-5	1-2-6	1-3-7	2-4-9	2-5-10	3-6-11	4-6-12	5-7-15	6-9-17
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.038	0.059	0.085	0.115	0.151	0.191	0.235	0.339	0.461
	Static Pressure (in. w.g.)		0.028	0.043	0.062	0.085	0.111	0.140	0.173	0.249	0.339
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	16	22	27	32	36	39	45	50
	Throw (ft.)		2-4-9	3-5-11	4-7-13	5-8-15	6-9-18	7-10-20	7-11-21	9-13-23	10-15-25
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.032	0.057	0.088	0.127	0.173	0.226	0.286	0.353	0.509	
	Static Pressure (in. w.g.)	0.026	0.047	0.073	0.105	0.143	0.186	0.236	0.291	0.419	
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	
	Sound (NC)	-	15	22	28	34	38	42	45	51	
	Throw (ft.)	3-5-10	5-7-14	6-9-17	7-10-20	8-12-22	9-14-23	10-15-25	11-17-26	14-20-28	
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.049	0.087	0.135	0.195	0.265	0.346	0.438	0.541		
	Static Pressure (in. w.g.)	0.043	0.077	0.120	0.172	0.234	0.306	0.388	0.479		
	Flow Rate (cfm)	236	314	393	471	550	628	707	785		
	Sound (NC)	-	21	29	35	40	44	48	52		
	Throw (ft.)	5-7-15	7-10-20	8-12-22	10-15-24	11-17-26	13-20-28	15-21-30	16-22-31		

Performance Notes:

- Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
- Airflow is in cubic feet per minute [cfm].
- NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
- Blanks "-" indicate an NC level below 15.
- All pressures are in inches of water column [in. w.g.].
- Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
- Blank area outside recommended operating range.
- Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 3 Slot (continued)

Model TBD375 3/4 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.019	0.033	0.052	0.075	0.102	0.133	0.168	0.207	0.299	0.406
	Static Pressure (in. w.g.)	0.013	0.023	0.036	0.052	0.071	0.093	0.117	0.145	0.209	0.284
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	274
	Sound (NC)	-	-	-	16	22	26	31	35	41	47
	Throw (ft.)	2-4-13	3-8-17	5-11-22	8-13-26	10-15-30	11-17-32	13-19-34	14-22-35	17-26-39	20-30-42
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.041	0.073	0.114	0.164	0.224	0.292	0.370	0.457	0.657	
	Static Pressure (in. w.g.)	0.035	0.063	0.099	0.142	0.193	0.252	0.319	0.394	0.568	
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	
	Sound (NC)	-	17	25	32	38	43	47	51	58	
	Throw (ft.)	6-12-23	10-15-30	13-19-33	15-23-37	18-27-39	20-30-42	23-32-45	26-33-47	30-37-52	
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.080	0.142	0.221	0.318	0.434	0.566				
	Static Pressure (in. w.g.)	0.074	0.132	0.206	0.296	0.403	0.526				
	Flow Rate (cfm)	164	218	273	327	382	436				
	Sound (NC)	20	30	39	45	51	56				
	Throw (ft.)	12-18-32	16-24-37	20-29-42	24-32-46	28-35-49	30-37-53				
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.014	0.022	0.031	0.043	0.056	0.070	0.087	0.125	0.170
	Static Pressure (in. w.g.)		0.004	0.006	0.009	0.012	0.016	0.020	0.024	0.035	0.048
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	-	-	17	24	29
	Throw (ft.)		1-2-7	1-3-9	2-4-11	2-5-13	3-7-15	4-8-16	5-9-18	7-11-22	9-13-26
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.029	0.045	0.064	0.087	0.114	0.144	0.178	0.257	0.349
	Static Pressure (in. w.g.)		0.019	0.029	0.042	0.057	0.074	0.094	0.116	0.167	0.227
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	-	18	23	28	32	38	44
	Throw (ft.)		3-6-13	4-8-16	6-10-19	8-11-23	9-13-26	10-15-28	11-16-30	13-19-32	15-23-35
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.029	0.052	0.081	0.116	0.158	0.206	0.261	0.323	0.465	0.632
	Static Pressure (in. w.g.)	0.023	0.042	0.065	0.094	0.128	0.167	0.211	0.260	0.375	0.510
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	-	18	25	31	36	40	44	50	56
	Throw (ft.)	3-8-15	6-10-20	8-13-25	10-15-29	12-18-31	14-20-33	15-23-35	17-25-37	20-29-40	24-31-44
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.049	0.087	0.135	0.195	0.265	0.346	0.438	0.541		
	Static Pressure (in. w.g.)	0.043	0.077	0.120	0.172	0.235	0.306	0.388	0.479		
	Flow Rate (cfm)	236	314	393	471	550	628	707	785		
	Sound (NC)	-	20	29	35	41	46	50	54		
	Throw (ft.)	9-13-24	12-17-28	15-22-31	17-24-34	20-26-37	23-28-40	24-30-42	26-31-44		
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.011	0.017	0.024	0.033	0.043	0.054	0.066	0.096	0.130
	Static Pressure (in. w.g.)		0.001	0.001	0.001	0.002	0.003	0.003	0.004	0.006	0.008
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	-	-	-	18	24
	Throw (ft.)		0-1-3	1-1-5	1-2-6	1-2-7	1-3-8	2-4-9	2-5-10	3-6-12	4-7-14
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.021	0.034	0.048	0.066	0.086	0.109	0.134	0.193	0.263
	Static Pressure (in. w.g.)		0.012	0.018	0.026	0.035	0.046	0.058	0.072	0.104	0.141
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	-	-	18	22	26	33	38
	Throw (ft.)		1-3-7	2-4-9	3-5-11	3-6-13	5-7-15	5-8-16	6-9-18	7-11-22	9-13-25
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.021	0.038	0.060	0.086	0.117	0.153	0.193	0.239	0.344	0.468
	Static Pressure (in. w.g.)	0.016	0.028	0.044	0.063	0.086	0.113	0.143	0.176	0.254	0.345
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	-	-	19	24	29	34	38	44	50
	Throw (ft.)	2-3-9	3-6-11	4-7-14	6-9-17	7-10-20	8-11-23	9-13-25	9-14-26	11-17-28	13-20-31
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.035	0.063	0.098	0.141	0.193	0.251	0.318	0.393	0.566	
	Static Pressure (in. w.g.)	0.030	0.053	0.083	0.119	0.162	0.212	0.268	0.331	0.476	
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	
	Sound (NC)	-	-	22	29	35	40	44	48	54	
	Throw (ft.)	3-6-12	5-8-16	7-10-21	8-12-24	10-14-26	11-16-28	12-18-30	14-21-31	16-24-34	

Performance Notes:

- Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
- Airflow is in cubic feet per minute [cfm].
- NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
- Blanks "-" indicate an NC level below 15.
- All pressures are in inches of water column [in. w.g.].
- Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
- Blank area outside recommended operating range.
- Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 3 Slot (continued)

Model TBD3100 1 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)	0.017	0.030	0.047	0.068	0.092	0.120	0.152	0.188	0.271	0.369
	Static Pressure (in. w.g.)	0.011	0.020	0.031	0.045	0.062	0.080	0.102	0.126	0.181	0.246
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	274
	Sound (NC)	-	-	-	-	15	20	24	28	35	41
	Throw (ft.)	1-3-11	2-5-15	4-9-19	5-11-23	7-13-27	10-15-31	11-17-34	13-19-35	15-23-39	18-27-42
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.031	0.055	0.086	0.124	0.168	0.220	0.278	0.343	0.495	
	Static Pressure (in. w.g.)	0.025	0.045	0.070	0.101	0.138	0.180	0.228	0.281	0.405	
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	
	Sound (NC)	-	-	-	20	26	31	35	39	46	
	Throw (ft.)	4-10-20	8-14-27	11-17-33	14-20-37	16-24-39	18-27-42	20-31-45	23-33-47	27-37-52	
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.052	0.093	0.145	0.209	0.284	0.371	0.470	0.580		
	Static Pressure (in. w.g.)	0.047	0.083	0.129	0.186	0.254	0.331	0.419	0.518		
	Flow Rate (cfm)	164	218	273	327	382	436	491	545		
	Sound (NC)	-	-	23	30	35	40	45	49		
	Throw (ft.)	11-16-32	14-21-37	18-27-42	21-32-46	25-35-49	28-37-53	32-40-56	34-42-59		
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.016	0.026	0.037	0.050	0.065	0.083	0.102	0.147	0.200
	Static Pressure (in. w.g.)		0.006	0.010	0.014	0.019	0.025	0.032	0.040	0.057	0.078
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	-	-	17	24	30
	Throw (ft.)		1-1-5	1-2-8	1-3-10	2-4-11	2-5-13	3-6-14	3-8-16	5-10-19	7-11-22
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.027	0.042	0.061	0.082	0.108	0.136	0.168	0.242	0.330
	Static Pressure (in. w.g.)		0.017	0.026	0.038	0.052	0.068	0.086	0.106	0.153	0.208
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	-	-	18	22	26	33	39
	Throw (ft.)		2-4-11	3-6-14	4-9-17	5-10-20	7-11-23	9-13-26	9-14-28	11-17-32	13-20-35
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.024	0.042	0.066	0.095	0.129	0.168	0.213	0.263	0.378	0.515
	Static Pressure (in. w.g.)	0.018	0.032	0.050	0.072	0.098	0.128	0.162	0.200	0.288	0.392
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	-	-	16	21	26	30	34	41	47
	Throw (ft.)	2-5-13	4-9-18	6-11-22	9-13-27	10-16-31	12-18-33	13-20-35	15-22-37	18-27-40	21-31-44
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.035	0.063	0.098	0.141	0.192	0.251	0.318	0.392	0.565	
	Static Pressure (in. w.g.)	0.030	0.053	0.083	0.119	0.162	0.211	0.267	0.330	0.475	
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	
	Sound (NC)	-	-	16	23	28	33	38	42	48	
	Throw (ft.)	5-10-19	9-13-26	11-16-31	13-19-34	15-22-37	17-26-40	19-29-42	21-31-44	26-34-49	
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.014	0.022	0.031	0.042	0.055	0.070	0.086	0.124	0.169
	Static Pressure (in. w.g.)		0.004	0.006	0.009	0.012	0.015	0.019	0.024	0.034	0.047
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	-	-	-	21	27
	Throw (ft.)		0-1-2	0-1-3	1-1-5	1-2-6	1-2-7	1-3-8	1-3-9	2-5-11	3-6-13
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.022	0.034	0.049	0.067	0.088	0.111	0.137	0.198	0.269
	Static Pressure (in. w.g.)		0.012	0.019	0.027	0.037	0.048	0.061	0.075	0.108	0.147
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	-	-	-	19	23	29	35
	Throw (ft.)		1-2-6	1-3-8	2-4-10	2-5-11	3-6-13	4-7-14	5-8-16	6-10-19	7-11-22
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.019	0.033	0.052	0.075	0.102	0.134	0.169	0.209	0.301	0.409
	Static Pressure (in. w.g.)	0.013	0.023	0.037	0.053	0.072	0.094	0.119	0.146	0.211	0.287
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	-	-	-	17	22	26	30	37	43
	Throw (ft.)	1-2-7	2-4-10	3-6-12	4-7-15	6-9-17	7-10-20	7-11-22	8-12-25	10-15-28	12-17-31
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.028	0.049	0.076	0.110	0.150	0.196	0.248	0.306	0.440	0.599
	Static Pressure (in. w.g.)	0.022	0.039	0.061	0.088	0.119	0.156	0.197	0.243	0.350	0.477
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	1099
	Sound (NC)	-	-	-	18	24	29	33	37	44	50
	Throw (ft.)	2-5-11	4-7-14	6-9-18	7-11-22	8-13-25	10-14-28	11-16-30	12-18-31	14-22-34	17-25-37

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
2. Airflow is in cubic feet per minute [cfm].
3. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
4. Blanks "-" indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
7. Throw data is based on supply air and room air being at isothermal conditions.
8. Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
9. Blank area outside recommended operating range.
10. Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 4 Slot

Model TBD3350 1/2 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.039	0.061	0.088	0.120	0.157	0.199	0.245	0.353	0.480
	Static Pressure (in. w.g.)		0.029	0.046	0.066	0.090	0.117	0.148	0.183	0.263	0.358
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	17	23	28	32	36	40	46	51
	Throw (ft.)		4-9-18	6-11-23	9-14-27	11-16-30	12-18-32	14-20-34	15-23-35	18-27-39	21-30-42
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.039	0.069	0.108	0.156	0.212	0.277	0.351	0.433	0.624	
	Static Pressure (in. w.g.)	0.033	0.059	0.093	0.133	0.182	0.237	0.300	0.371	0.534	
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	
	Sound (NC)	-	18	25	31	37	41	45	48	54	
	Throw (ft.)	7-12-24	11-16-30	13-20-33	16-24-37	19-28-39	21-30-42	24-32-45	27-33-47	30-37-52	
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.069	0.124	0.193	0.278	0.378	0.494	0.625			
	Static Pressure (in. w.g.)	0.064	0.114	0.177	0.256	0.348	0.454	0.575			
	Flow Rate (cfm)	164	218	273	327	382	436	491			
	Sound (NC)	17	27	34	40	45	50	53			
	Throw (ft.)	13-19-32	17-25-37	21-29-42	25-32-46	28-35-49	30-37-53	32-40-56			
Length = 48 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.026	0.040	0.058	0.078	0.102	0.130	0.160	0.230	0.314
	Static Pressure (in. w.g.)		0.016	0.024	0.035	0.048	0.063	0.079	0.098	0.141	0.192
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	17	22	26	30	34	40	45
	Throw (ft.)		1-2-8	1-3-10	2-5-12	3-6-13	4-8-15	5-9-17	6-10-19	8-12-23	9-13-26
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.036	0.056	0.081	0.110	0.143	0.182	0.224	0.323	0.439
	Static Pressure (in. w.g.)		0.026	0.040	0.058	0.079	0.104	0.131	0.162	0.233	0.317
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	16	22	27	31	35	39	45	50
	Throw (ft.)		3-7-14	5-9-17	7-10-21	8-12-24	9-14-26	10-15-28	11-17-30	14-21-32	16-24-35
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.030	0.053	0.083	0.119	0.162	0.212	0.268	0.331	0.476	0.648
	Static Pressure (in. w.g.)	0.024	0.043	0.067	0.097	0.131	0.172	0.217	0.268	0.386	0.526
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	-	21	27	33	37	41	44	50	55
	Throw (ft.)	4-8-16	7-11-21	9-13-26	11-16-29	12-19-31	14-21-33	16-24-35	18-26-37	21-29-40	25-31-44
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.045	0.080	0.125	0.180	0.244	0.319	0.404	0.499		
	Static Pressure (in. w.g.)	0.039	0.070	0.109	0.157	0.214	0.279	0.353	0.436		
	Flow Rate (cfm)	236	314	393	471	550	628	707	785		
	Sound (NC)	-	20	28	34	39	43	47	50		
	Throw (ft.)	8-12-23	10-15-28	13-19-31	15-23-34	18-26-37	21-28-40	23-30-42	26-31-44		
Length = 60 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.023	0.037	0.053	0.072	0.094	0.119	0.146	0.211	0.287
	Static Pressure (in. w.g.)		0.013	0.021	0.030	0.041	0.054	0.068	0.084	0.121	0.165
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	15	20	25	29	32	38	43
	Throw (ft.)		0-1-4	1-1-5	1-2-6	1-3-8	2-4-9	2-5-10	3-5-11	4-6-13	5-8-15
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.031	0.048	0.069	0.094	0.123	0.156	0.193	0.278	0.378
	Static Pressure (in. w.g.)		0.021	0.033	0.047	0.064	0.083	0.106	0.130	0.188	0.256
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	19	25	29	33	36	42	47
	Throw (ft.)		1-3-8	2-5-10	3-6-12	4-7-13	5-8-15	6-9-17	6-10-19	8-12-23	9-13-25
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)		0.043	0.067	0.096	0.131	0.172	0.217	0.268	0.386	0.525
	Static Pressure (in. w.g.)		0.033	0.051	0.074	0.101	0.132	0.167	0.206	0.296	0.403
	Flow Rate (cfm)		218	273	327	382	436	491	545	654	763
	Sound (NC)		-	18	24	29	34	38	41	47	52
	Throw (ft.)		3-6-12	5-8-15	6-9-18	7-11-21	8-12-23	9-14-25	10-15-26	12-18-28	14-21-31
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.035	0.061	0.096	0.138	0.188	0.246	0.311	0.384	0.553	
	Static Pressure (in. w.g.)	0.029	0.051	0.080	0.116	0.158	0.206	0.261	0.322	0.463	
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	
	Sound (NC)	-	16	24	30	35	39	43	47	53	
	Throw (ft.)	4-6-13	6-9-17	7-11-22	9-13-24	10-15-26	12-17-28	13-19-30	14-22-31	17-24-34	

Performance Notes:

- Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
- Airflow is in cubic feet per minute [cfm].
- NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
- Blanks "-" indicate an NC level below 15.
- All pressures are in inches of water column [in. w.g.].
- Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
- Blank area outside recommended operating range.
- Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 4 Slot (continued)

Model TBD375 3/4 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.023	0.036	0.052	0.070	0.092	0.116	0.143	0.206	0.281
	Static Pressure (in. w.g.)		0.013	0.020	0.029	0.040	0.052	0.066	0.081	0.117	0.159
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	19	23	27	34	40
	Throw (ft.)		2-5-15	4-9-19	5-11-23	7-13-27	10-15-31	11-17-34	13-19-35	15-23-39	18-27-42
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.027	0.049	0.076	0.110	0.150	0.195	0.247	0.305	0.440	0.598
	Static Pressure (in. w.g.)	0.022	0.039	0.061	0.087	0.119	0.155	0.197	0.243	0.350	0.476
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489
	Sound (NC)	-	-	17	24	29	34	39	43	49	55
	Throw (ft.)	4-10-20	8-14-27	11-17-33	14-20-37	16-24-39	18-27-42	20-31-45	23-33-47	27-37-52	32-39-56
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.052	0.092	0.144	0.207	0.281	0.367	0.465	0.574		
	Static Pressure (in. w.g.)	0.046	0.082	0.128	0.184	0.251	0.328	0.415	0.512		
	Flow Rate (cfm)	164	218	273	327	382	436	491	545		
	Sound (NC)	-	22	30	37	42	47	52	55		
	Throw (ft.)	11-16-32	14-21-37	18-27-42	21-32-46	25-35-49	28-37-53	32-40-56	34-42-59		
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.020	0.031	0.045	0.061	0.079	0.100	0.124	0.178	0.243
	Static Pressure (in. w.g.)		0.010	0.015	0.022	0.030	0.039	0.050	0.062	0.089	0.121
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	-	-	16	20	24	31	37
	Throw (ft.)		2-4-11	3-6-14	4-9-17	5-10-20	7-11-23	9-13-26	9-14-28	11-17-32	13-20-35
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.020	0.035	0.055	0.079	0.107	0.140	0.177	0.219	0.315	0.429
	Static Pressure (in. w.g.)	0.014	0.025	0.039	0.056	0.077	0.100	0.127	0.157	0.226	0.307
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	-	-	17	23	28	32	36	43	48
	Throw (ft.)	2-5-13	4-9-18	6-11-22	9-13-27	10-16-31	12-18-33	13-20-35	15-22-37	18-27-40	21-31-44
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.032	0.057	0.090	0.129	0.176	0.230	0.291	0.359	0.517	
	Static Pressure (in. w.g.)	0.027	0.047	0.074	0.107	0.145	0.190	0.240	0.297	0.427	
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	
	Sound (NC)	-	-	20	27	33	38	42	46	53	
	Throw (ft.)	5-10-19	9-13-26	11-16-31	13-19-34	15-22-37	17-26-40	19-29-42	21-31-44	26-34-49	
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.015	0.024	0.034	0.046	0.060	0.076	0.094	0.136	0.184
	Static Pressure (in. w.g.)		0.005	0.008	0.011	0.016	0.020	0.026	0.032	0.046	0.062
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	-	-	-	-	19	25	31
	Throw (ft.)		1-2-6	1-3-8	2-4-10	2-5-11	3-6-13	4-7-14	5-8-16	6-10-19	7-11-22
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)		0.026	0.041	0.059	0.080	0.105	0.133	0.164	0.236	0.321
	Static Pressure (in. w.g.)		0.016	0.025	0.037	0.050	0.065	0.082	0.102	0.146	0.199
	Flow Rate (cfm)		218	273	327	382	436	491	545	654	763
	Sound (NC)		-	-	-	17	22	26	30	37	42
	Throw (ft.)		2-4-10	3-6-12	4-7-15	6-9-17	7-10-20	7-11-22	8-12-25	10-15-28	12-17-31
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.024	0.042	0.066	0.095	0.130	0.169	0.214	0.265	0.381	0.518
	Static Pressure (in. w.g.)	0.018	0.032	0.051	0.073	0.099	0.129	0.164	0.202	0.291	0.396
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	1099
	Sound (NC)	-	-	-	21	27	31	36	40	46	52
	Throw (ft.)	2-5-11	4-7-14	6-9-18	7-11-22	8-13-25	10-14-28	11-16-30	12-18-31	14-22-34	17-25-37

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
2. Airflow is in cubic feet per minute [cfm].
3. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
4. Blanks "-" indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity
7. Throw data is based on supply air and room air being at isothermal conditions.
8. Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
9. Blank area outside recommended operating range.
10. Does not include effects of ceiling radiation damper (TBD3-FR).

PERFORMANCE DATA

TBD3 – Ice-Tong Pattern Controller, 4 Slot (continued)

Model TBD3100 1 in. Slot Width

Length = 24 in. Inlet = 6 in.	Total Pressure (in. w.g.)		0.023	0.036	0.052	0.070	0.092	0.116	0.144	0.207	0.282
	Static Pressure (in. w.g.)		0.013	0.020	0.029	0.040	0.052	0.066	0.081	0.117	0.160
	Flow Rate (cfm)		78	98	118	137	157	176	196	235	274
	Sound (NC)		-	-	-	-	15	20	24	30	36
	Throw (ft.)		2-4-13	3-6-17	4-8-20	5-11-24	7-13-27	8-15-30	10-17-34	13-20-39	16-24-42
Length = 24 in. Inlet = 8 in.	Total Pressure (in. w.g.)	0.023	0.040	0.063	0.091	0.123	0.161	0.204	0.252	0.362	0.493
	Static Pressure (in. w.g.)	0.017	0.030	0.047	0.068	0.093	0.121	0.153	0.189	0.273	0.371
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489
	Sound (NC)	-	-	-	-	20	25	30	34	40	46
	Throw (ft.)	3-7-18	5-12-24	8-15-30	12-18-36	14-21-39	16-24-42	18-27-45	20-30-47	24-36-52	28-39-56
Length = 24 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.037	0.066	0.103	0.148	0.201	0.263	0.333	0.411	0.592	
	Static Pressure (in. w.g.)	0.031	0.056	0.087	0.126	0.171	0.223	0.283	0.349	0.502	
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	
	Sound (NC)	-	-	17	24	29	34	39	42	49	
	Throw (ft.)	7-14-28	12-19-37	16-23-42	19-28-46	22-33-49	25-37-53	28-40-56	31-42-59	37-46-65	
Length = 48 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.021	0.032	0.047	0.064	0.083	0.105	0.130	0.187	0.254
	Static Pressure (in. w.g.)		0.011	0.017	0.024	0.033	0.043	0.055	0.067	0.097	0.132
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	-	-	-	18	22	28	34
	Throw (ft.)		1-3-10	2-4-12	3-6-15	3-8-17	5-10-20	6-11-22	7-12-25	10-15-30	12-17-35
Length = 48 in. Inlet = 10 in.	Total Pressure (in. w.g.)	0.018	0.031	0.049	0.071	0.096	0.125	0.159	0.196	0.282	0.384
	Static Pressure (in. w.g.)	0.012	0.021	0.033	0.048	0.065	0.085	0.108	0.134	0.192	0.262
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	-	-	-	16	21	25	29	36	42
	Throw (ft.)	2-4-12	3-6-16	4-10-19	6-12-23	8-14-27	10-16-31	12-18-35	13-19-37	16-23-40	18-27-44
Length = 48 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.026	0.046	0.071	0.103	0.140	0.182	0.231	0.285	0.410	0.559
	Static Pressure (in. w.g.)	0.020	0.036	0.056	0.080	0.109	0.143	0.180	0.223	0.321	0.436
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	1099
	Sound (NC)	-	-	-	17	23	28	32	36	43	48
	Throw (ft.)	3-7-17	6-11-22	9-14-28	11-17-34	13-20-37	15-22-40	17-25-42	19-28-44	22-34-49	26-37-52
Length = 60 in. Inlet = 8 in.	Total Pressure (in. w.g.)		0.017	0.027	0.039	0.053	0.069	0.087	0.108	0.155	0.211
	Static Pressure (in. w.g.)		0.007	0.011	0.016	0.022	0.029	0.037	0.045	0.065	0.089
	Flow Rate (cfm)		140	175	209	244	279	314	349	419	489
	Sound (NC)		-	-	-	-	-	-	18	25	31
	Throw (ft.)		1-1-5	1-2-7	1-3-8	2-3-10	2-5-11	3-6-13	3-7-14	5-8-17	6-10-20
Length = 60 in. Inlet = 10 in.	Total Pressure (in. w.g.)		0.025	0.040	0.057	0.078	0.101	0.128	0.158	0.228	0.310
	Static Pressure (in. w.g.)		0.015	0.024	0.035	0.047	0.061	0.078	0.096	0.138	0.188
	Flow Rate (cfm)		218	273	327	382	436	491	545	654	763
	Sound (NC)		-	-	-	-	17	21	25	32	38
	Throw (ft.)		1-3-9	2-4-11	3-6-13	4-8-15	5-9-17	6-10-20	7-11-22	9-13-26	10-15-30
Length = 60 in. Inlet = 12 in.	Total Pressure (in. w.g.)	0.020	0.036	0.056	0.081	0.111	0.144	0.183	0.226	0.325	0.442
	Static Pressure (in. w.g.)	0.015	0.026	0.041	0.059	0.080	0.105	0.132	0.163	0.235	0.320
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	1099
	Sound (NC)	-	-	-	-	18	23	28	32	38	44
	Throw (ft.)	1-3-9	3-6-13	4-8-16	6-9-19	7-11-22	8-13-25	9-14-28	10-16-31	13-19-34	15-22-37

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
2. Airflow is in cubic feet per minute [cfm].
3. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
4. Blanks "-" indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
P_{total} = P_{static} + P_{velocity}
7. Throw data is based on supply air and room air being at isothermal conditions.
8. Throw data is given in feet [ft] to terminal velocities of:
150 fpm (minimum)
100 fpm (middle)
50 fpm (maximum)
9. Blank area outside recommended operating range.
10. Does not include effects of ceiling radiation damper (TBD3-FR).