

**FORMATIONS PERFORMANCE DATA**  
**ONE SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	2 ft.	CFM	70	110	155	200	240	285	325	370
				Ps	.009	.025	.048	.078	.116	.161	.213	.273
Pt	.012	.032	.062	.101	.149	.208	.275	.353				
NC	-	20	26	30	34	37	40	43				
Throw	4-5-10	6-9-13	8-11-15	10-12-18	11-14-19	12-15-21	13-16-23	14-17-24				
One Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	4 ft.	CFM	140	225	310	395	480	570	655	740
				Ps	.014	.036	.068	.112	.166	.230	.305	.390
One Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	5 ft.	Pt	.025	.065	.124	.203	.300	.419	.555	.709
				NC	-	22	28	32	36	39	42	45
One Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	Throw	5-8-15	8-13-19	12-15-22	14-18-25	16-19-27	17-21-30	18-23-32	20-24-4	
				CFM	175	280	390	495	605	710	820	925
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	Ps	.018	.046	.089	.145	.215	.299	.396	.507
				Pt	.035	.092	.178	.288	.428	.592	.788	1.005
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	NC	15	23	29	34	38	41	44	46	
				Throw	7-10-16	11-17-21	15-21-24	19-23-28	21-26-31	23-28-33	25-30-36	26-32-38
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	CFM	70	110	155	200	240	285	325	370
				Ps	.012	.031	.060	.097	.144	.200	.204	.340
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	Pt	.013	.035	.067	.109	.161	.225	.223	.381
				NC	-	17	22	26	29	32	33	36
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	Throw	4-5-10	6-9-13	8-11-15	10-12-18	11-14-19	12-15-21	13-16-23	14-17-24	
				CFM	140	225	310	395	480	570	655	740
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	Ps	.017	.045	.085	.139	.206	.286	.291	.486
				Pt	.023	.060	.114	.186	.275	.383	.368	.649
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	NC	-	19	24	28	31	34	35	38	
				Throw	5-8-15	8-13-19	12-15-22	14-18-25	16-19-27	17-21-30	18-23-32	20-24-34
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	CFM	175	280	390	495	605	710	820	925
				Ps	.022	.058	.111	.181	.268	.372	.379	.632
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	Pt	.031	.081	.156	.254	.377	.522	.500	.886	
				NC	-	20	26	30	33	35	36	40
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	Throw	7-10-16	11-17-21	15-21-24	19-23-28	21-26-31	23-28-33	25-30-36	26-32-38	

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**ONE SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 1" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	70	110	155	200	240	285	325	370
				Ps	.009	.024	.046	.075	.111	.154	.204	.261
Pt	.010	.026	.050	.082	.121	.168	.223	.286				
NC	-	-	18	23	27	30	33	35				
Throw	4-5-10	6-9-13	8-11-15	10-12-18	11-14-19	12-15-21	13-16-23	14-17-24				
One Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>80</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> </td></td>	Vertical Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>80</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> </td>	8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>80</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td>	2 ft.	CFM	80	140	200	260	320	380	440	500
				Ps	.012	.037	.075	.127	.192	.270	.363	.468
Pt	.016	.048	.098	.166	.251	.354	.475	.614				
NC	-	18	25	30	34	37	40	42				
Throw	3-5-10	6-9-15	9-12-18	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28				
One Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td> </td></td>	Vertical Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td> </td>	8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td>	4 ft.	CFM	160	280	400	520	640	760	880	1000
				Ps	.017	.052	.107	.181	.274	.386	.518	.669
Pt	0.032	0.098	0.2	0.338	0.512	0.723	0.969	1.251				
NC	-	20	27	32	36	39	42	44				
Throw	5-7-15	9-13-21	12-18-25	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39				
One Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td> </td></td>	Vertical Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td> </td>	8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td>	5 ft.	CFM	200	350	500	650	800	950	1100	1250
				Ps	.022	.068	.139	.235	.356	.502	.673	.869
Pt	.046	.139	.285	.481	.729	1.028	1.378	1.779				
NC	-	22	28	39	37	40	43	46				
Throw	7-10-16	11-17-23	16-24-28	21-27-32	24-30-35	27-33-38	29-35-41	30-37-44				

**FORMATIONS PERFORMANCE DATA**  
**ONE SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 1.5" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	CFM	80	140	200	260	320	380	440	500
				Ps	.008	.026	.052	.088	.134	.189	.253	.326
Pt	.010	.031	.064	.108	.164	.231	.310	.401				
NC	-	15	21	26	29	32	34	36				
Throw	3-5-10	6-9-15	9-12-18	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28				
One Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td> </td></td>	Vertical Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td>	4 ft.	CFM	160	280	400	520	640	760	880	1000
				Ps	.012	.037	.075	.126	.191	.269	.361	.466
Pt	.020	.060	.122	.206	.313	.441	.591	.763				
NC	-	17	23	28	31	34	36	38				
Throw	5-7-15	9-13-21	12-18-25	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39				
One Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td> </td></td>	Vertical Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td>	5 ft.	CFM	200	350	500	650	800	950	1100	1250
				Ps	.016	.048	.097	.164	.248	.350	.469	.606
Pt	.027	.084	.171	.289	.438	.618	.829	1.070				
NC	-	19	25	29	32	35	37	40				
Throw	7-10-16	11-17-23	16-24-28	21-27-32	24-30-35	27-33-38	29-35-41	30-37-44				
One Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>80</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> </td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>80</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>80</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td>	2 ft.	CFM	80	140	200	260	320	380	440	500
				Ps	.006	.020	.040	.068	.103	.145	.194	.250
Pt	.008	.023	.047	.080	.121	.170	.229	.295				
NC	-	-	17	22	26	30	32	35				
Throw	3-5-10	6-9-15	9-12-18	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28				
One Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td> </td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>160</td> <td>280</td> <td>400</td> <td>520</td> <td>640</td> <td>760</td> <td>880</td> <td>1000</td>	4 ft.	CFM	160	280	400	520	640	760	880	1000
				Ps	.009	.028	.057	.097	.146	.206	.277	.358
Pt	.014	.042	.086	.145	.220	.310	.416	.537				
NC	-	-	19	24	28	32	34	37				
Throw	5-7-15	9-13-21	12-18-25	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39				
One Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td> </td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>200</td> <td>350</td> <td>500</td> <td>650</td> <td>800</td> <td>950</td> <td>1100</td> <td>1250</td>	5 ft.	CFM	200	350	500	650	800	950	1100	1250
				Ps	.012	.036	.074	.126	.190	.268	.360	.465
Pt	.019	.058	.119	.202	.305	.431	.577	.746				
NC	-	-	21	26	30	33	36	38				
Throw	7-10-16	11-17-23	16-24-28	21-27-32	24-30-35	27-33-38	29-35-41	30-37-44				

LINEAR DIFFUSERS  
AND GRILLES

FORMATIONS  
LINEAR DIFFUSERS

**FORMATIONS PERFORMANCE DATA**  
**ONE SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	2 ft.	CFM	70	125	180	235	290	350	405	460
				Ps	.007	.024	.051	.088	.134	.191	.257	.333
Pt	.010	.033	.070	.120	.183	.262	.353	.456				
NC	-	19	25	31	35	38	41	44				
Throw	2-3-7	4-6-12	6-9-18	8-12-22	10-15-24	12-17-26	13-20-28	15-21-30				
One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	4 ft.	CFM	135	250	360	470	585	695	810	920
				Ps	.010	.035	.073	.125	.192	.272	.367	.476
One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	4 ft.	Pt	.021	.071	.148	.254	.391	.554	.749	.969
				NC	-	21	27	33	37	40	43	46
One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	4 ft.	Throw	3-5-10	6-9-18	8-13-25	11-17-31	14-21-34	16-25-37	19-28-40	22-30-43
				CFM	170	310	450	590	730	870	1010	1150
One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	5 ft.	Ps	.014	.045	.095	.163	.249	.354	.477	.619
				Pt	.030	.101	.213	.366	.560	.795	1.071	1.389
One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	5 ft.	NC	-	22	29	34	38	41	44	47
				Throw	4-6-11	8-12-20	11-17-28	15-22-34	18-28-38	22-33-42	26-38-45	29-41-48
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	CFM	70	125	180	235	290	350	405	460
				Ps	.006	.020	.041	.071	.109	.155	.209	.271
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	Pt	.007	.024	.051	.088	.134	.191	.258	.334
				NC	-	15	22	26	30	32	35	37
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	Throw	2-3-7	4-6-12	6-9-18	8-12-22	10-15-24	12-17-26	13-20-28	15-21-30
				CFM	135	250	360	470	585	695	810	920
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	Ps	.008	.028	.059	.102	.156	.221	.298	.387
				Pt	.014	.047	.098	.167	.257	.365	.493	.638
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	NC	-	17	24	28	32	34	37	39
				Throw	3-5-10	6-9-18	8-13-25	11-17-31	14-21-34	16-25-37	19-28-40	22-30-43
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	CFM	170	310	450	590	730	870	1010	1150
				Ps	.011	.037	.077	.132	.203	.288	.388	.503
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	Pt	.020	.065	.137	.236	.361	.513	.691	.896
				NC	-	19	25	30	33	36	38	41
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	Throw	4-6-11	8-12-20	11-17-28	15-22-34	18-28-38	22-33-42	26-38-45	29-41-48
				CFM	70	125	180	235	290	350	405	460
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	Ps	.004	.012	.026	.044	.067	.095	.129	.167
				Pt	.005	.015	.031	.054	.082	.117	.158	.205
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	NC	-	-	18	23	27	31	33	36
				Throw	2-3-7	4-6-12	6-9-18	8-12-22	10-15-24	12-17-26	13-20-28	15-21-30
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	4 ft.	CFM	135	250	360	470	585	695	810	920
				Ps	.005	.017	.036	.063	.096	.136	.184	.238
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	4 ft.	Pt	.008	.029	.060	.102	.157	.223	.302	.390
				NC	-	-	20	25	29	33	35	38
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	4 ft.	Throw	3-5-10	6-9-18	8-13-25	11-17-31	14-21-34	16-25-37	19-28-40	22-30-43
				CFM	170	310	450	590	730	870	1010	1150
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	5 ft.	Ps	.007	.022	.047	.081	.125	.177	.239	.309
				Pt	.012	.040	.084	.144	.220	.313	.422	.547
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	5 ft.	NC	-	-	22	27	31	34	37	39
				Throw	4-6-11	8-12-20	11-17-28	15-22-34	18-28-38	22-33-42	26-38-45	29-41-48

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**ONE SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 2.5" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	195	290	385	480	575	670	765	860
				Ps	.017	.037	.065	.101	.145	.196	.256	.324
Pt	.023	.052	.091	.142	.204	.277	.361	.456				
NC	-	22	27	32	35	38	40	42				
Throw	6-9-18	9-13-24	12-18-28	15-22-31	17-24-34	20-26-37	23-28-39	24-29-41				
One Slot — 2.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>580</td> <td>770</td> <td>960</td> <td>1150</td> <td>1340</td> <td>1530</td> <td>1720</td> </td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>580</td> <td>770</td> <td>960</td> <td>1150</td> <td>1340</td> <td>1530</td> <td>1720</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>580</td> <td>770</td> <td>960</td> <td>1150</td> <td>1340</td> <td>1530</td> <td>1720</td>	4 ft.	CFM	390	580	770	960	1150	1340	1530	1720
				Ps	.024	.053	.093	.144	.207	.281	.366	.462
Pt	.051	.113	.199	.310	.444	.603	.786	.994				
NC	17	24	29	34	37	40	42	44				
Throw	8-13-25	12-19-34	17-25-39	21-31-44	25-34-48	29-37-52	32-39-55	34-41-59				
One Slot — 2.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>725</td> <td>965</td> <td>1200</td> <td>1440</td> <td>1675</td> <td>1915</td> <td>2150</td> </td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>725</td> <td>965</td> <td>1200</td> <td>1440</td> <td>1675</td> <td>1915</td> <td>2150</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>725</td> <td>965</td> <td>1200</td> <td>1440</td> <td>1675</td> <td>1915</td> <td>2150</td>	5 ft.	CFM	490	725	965	1200	1440	1675	1915	2150
				Ps	.031	.068	.120	.187	.269	.365	.475	.601
Pt	.074	.163	.288	.446	.641	.869	1.134	1.432				
NC	18	25	31	35	38	41	43	45				
Throw	11-17-28	17-25-38	22-33-44	28-42-49	33-45-54	39-49-58	43-52-62	45-56-66				
One Slot — 3" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	195	290	385	480	575	670	765	860
				Ps	.015	.033	.058	.090	.130	.176	.229	.290
Pt	.022	.048	.085	.132	.189	.257	.335	.423				
NC	-	-	20	24	28	31	33	35				
Throw	6-9-18	9-13-24	12-18-28	15-22-31	17-24-34	20-26-37	23-29-39	24-29-41				
One Slot — 3" Slot Width	Vertical Throw	12" Oval Inlet	4 ft.	CFM	390	580	770	960	1150	1340	1530	1720
				Ps	.021	.047	.083	.129	.185	.251	.328	.414
Pt	.049	.108	.190	.295	.423	.574	.748	.946				
NC	-	17	22	26	30	33	35	37				
Throw	8-13-25	12-19-34	17-25-39	21-31-44	25-34-48	29-37-52	32-39-55	34-41-59				
One Slot — 3" Slot Width	Vertical Throw	12" Oval Inlet	5 ft.	CFM	490	725	965	1200	1440	1675	1915	2150
				Ps	.028	.061	.108	.168	.241	.327	.426	.538
Pt	.071	.156	.275	.426	.613	.831	1.085	1.369				
NC	-	18	24	28	31	34	37	39				
Throw	11-17-28	17-25-38	22-33-44	28-42-49	33-45-54	39-49-58	43-52-62	45-56-66				