

PERFORMANCE DATA

SHP-CF – 4'X4' TRI

4 ft. Main Beam Spacing x 4 ft. Base Width Triangle (60° Nominal)

Inlet Size	Total Flow Rate (cfm) Throw (ft)	100	150	200	250	300	350	400	450	500
10	Total Pressure (in. w.g.)	0.014	0.031	0.055	0.086	0.124	0.169	0.221	0.280	0.346
	Static Pressure (in. w.g.)	0.012	0.026	0.047	0.073	0.106	0.144	0.188	0.238	0.293
	Sound (NC)	--	--	21	27	32	36	40	43	46
12	Total Pressure (in. w.g.)	0.012	0.027	0.047	0.074	0.106	0.144	0.189	0.239	0.295
	Static Pressure (in. w.g.)	0.011	0.024	0.043	0.067	0.097	0.132	0.172	0.218	0.269
	Sound (NC)	--	--	19	26	31	35	39	42	45
6x13	Total Pressure (in. w.g.)	0.009	0.021	0.037	0.059	0.084	0.115	0.150	0.190	0.234
	Static Pressure (in. w.g.)	0.007	0.016	0.029	0.045	0.065	0.089	0.116	0.147	0.181
	Sound (NC)	--	--	15	22	27	31	35	39	42
6x19	Total Pressure (in. w.g.)	0.008	0.018	0.032	0.050	0.072	0.098	0.128	0.162	0.200
	Static Pressure (in. w.g.)	0.007	0.016	0.028	0.044	0.063	0.086	0.112	0.142	0.175
	Sound (NC)	--	--	--	20	26	30	34	38	41

SHP-CF – 2'X2' TRI

2 ft. Main Beam Spacing x 2 ft. Base Width Triangle (60° Nominal)

Inlet Size	Total Flow Rate (cfm) Throw (ft)	50	75	100	125	150	175	200	225	250
6	Total Pressure (in. w.g.)	0.017	0.039	0.069	0.108	0.155	0.211	0.276	0.349	0.431
	Static Pressure (in. w.g.)	0.013	0.030	0.053	0.082	0.119	0.162	0.211	0.267	0.330
	Sound (NC)	--	15	23	29	34	38	42	45	48
8	Total Pressure (in. w.g.)	0.012	0.027	0.048	0.075	0.108	0.147	0.191	0.242	0.299
	Static Pressure (in. w.g.)	0.011	0.024	0.043	0.067	0.096	0.131	0.171	0.216	0.267
	Sound (NC)	--	--	19	25	30	35	38	42	45
4x7	Total Pressure (in. w.g.)	0.012	0.027	0.048	0.075	0.107	0.146	0.191	0.242	0.298
	Static Pressure (in. w.g.)	0.008	0.018	0.031	0.049	0.070	0.096	0.125	0.158	0.195
	Sound (NC)	--	--	18	24	30	34	38	41	45
4x13	Total Pressure (in. w.g.)	0.008	0.018	0.032	0.051	0.073	0.099	0.130	0.164	0.202
	Static Pressure (in. w.g.)	0.007	0.016	0.028	0.043	0.062	0.085	0.110	0.140	0.173
	Sound (NC)	--	--	--	20	26	30	34	38	41

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. All pressures are in inches of w.g.
3. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle), and 50 fpm (maximum).
4. Throw data is based on supply air and room air being at isothermal conditions.
5. NC values are based on a room absorption of 10 dB, re 10⁻¹² Watts and one diffuser.
6. Blanks "--" indicate an NC level below 15.

PERFORMANCE DATA

SHP-CF – 2'X4' TRI

2 ft. Main Beam Spacing x 4 ft. Base Width Triangle (45° Nominal)

Inlet Size	Total Flow Rate (cfm) Throw (ft)	80	120	160	200	240	280	320	360	400
		1-1-5	1-3-8	2-5-11	4-7-14	5-8-17	6-10-19	7-11-22	8-12-23	9-14-24
8	Total Pressure (in. w.g.)	0.016	0.037	0.065	0.102	0.146	0.199	0.260	0.329	0.406
	Static Pressure (in. w.g.)	0.013	0.029	0.052	0.081	0.117	0.159	0.208	0.263	0.325
	Sound (NC)	--	--	22	29	34	38	42	45	48
10	Total Pressure (in. w.g.)	0.012	0.028	0.049	0.077	0.110	0.150	0.196	0.248	0.306
	Static Pressure (in. w.g.)	0.011	0.025	0.044	0.068	0.098	0.134	0.175	0.221	0.273
	Sound (NC)	--	--	20	26	31	35	39	42	45
4x13	Total Pressure (in. w.g.)	0.011	0.025	0.044	0.069	0.099	0.135	0.177	0.224	0.276
	Static Pressure (in. w.g.)	0.008	0.018	0.032	0.050	0.072	0.098	0.128	0.162	0.199
	Sound (NC)	--	--	17	24	29	33	37	41	44
6x13	Total Pressure (in. w.g.)	0.009	0.019	0.034	0.054	0.077	0.105	0.137	0.174	0.215
	Static Pressure (in. w.g.)	0.007	0.016	0.029	0.045	0.065	0.088	0.116	0.146	0.181
	Sound (NC)	--	--	--	21	26	31	35	38	41

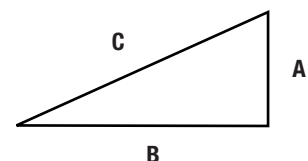
SHP-CF – 2'X4' TRI-90

2 ft. Main Beam Spacing x 4 ft. Base Width Triangle (90° Nominal)

Inlet Size	Total Flow Rate (cfm)	100		150		200		250		300		350	
		A	B/C	A	B/C	A	B/C	A	B/C	A	B/C	A	B/C
8	Total Pressure (in. w.g.)	0.030		0.067		0.119		0.186		0.268		0.364	
	Static Pressure (in. w.g.)	0.025		0.055		0.099		0.154		0.222		0.302	
	Sound (NC)	--		22		32		39		44		49	
10	Total Pressure (in. w.g.)	0.024		0.054		0.096		0.150		0.216		0.295	
	Static Pressure (in. w.g.)	0.022		0.049		0.088		0.137		0.198		0.269	
	Sound (NC)	--		17		27		34		39		44	
4x13	Total Pressure (in. w.g.)	0.021		0.047		0.084		0.131		0.189		0.257	
	Static Pressure (in. w.g.)	0.016		0.036		0.065		0.101		0.146		0.198	
	Sound (NC)	--		--		21		29		35		40	
6x13	Total Pressure (in. w.g.)	0.018		0.040		0.071		0.111		0.161		0.218	
	Static Pressure (in. w.g.)	0.016		0.035		0.063		0.098		0.141		0.192	
	Sound (NC)	--		--		19		26		32		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. All pressures are in inches of w.g.
3. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle), and 50 fpm (maximum).
4. Throw data is based on supply air and room air being at isothermal conditions.
5. NC values are based on a room absorption of 10 dB, re 10⁻¹² Watts and one diffuser.
6. Blanks "--" indicate an NC level below 15.



PERFORMANCE DATA

SHP-CF – 2'X2' PRL

2 ft. Main Beam Spacing x 2 ft. Base Width Parallelogram (60° Nominal)

Inlet Size	Total Flow Rate (cfm) Throw (ft)	70 0-1-4	100 1-2-9	130 2-4-12	160 3-6-14	190 4-8-17	220 5-10-20	250 6-11-22	280 8-13-23	310 9-14-24
6	Total Pressure (in. w.g.)	0.025	0.052	0.088	0.133	0.188	0.252	0.325	0.408	0.500
	Static Pressure (in. w.g.)	0.018	0.036	0.061	0.092	0.129	0.174	0.224	0.281	0.345
	Sound (NC)	--	19	26	32	36	40	44	47	50
8	Total Pressure (in. w.g.)	0.015	0.031	0.053	0.080	0.113	0.151	0.195	0.245	0.300
	Static Pressure (in. w.g.)	0.013	0.026	0.044	0.067	0.094	0.126	0.163	0.205	0.251
	Sound (NC)	--	--	20	26	30	34	38	41	44
4x7	Total Pressure (in. w.g.)	0.018	0.036	0.061	0.092	0.130	0.175	0.226	0.283	0.347
	Static Pressure (in. w.g.)	0.010	0.020	0.033	0.050	0.071	0.095	0.123	0.154	0.189
	Sound (NC)	--	--	21	27	32	36	40	43	46
4x13	Total Pressure (in. w.g.)	0.010	0.021	0.035	0.054	0.076	0.102	0.131	0.165	0.202
	Static Pressure (in. w.g.)	0.008	0.016	0.027	0.042	0.059	0.079	0.101	0.127	0.156
	Sound (NC)	--	--	--	20	25	30	33	37	40

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. All pressures are in inches of w.g.
3. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle), and 50 fpm (maximum).
4. Throw data is based on supply air and room air being at isothermal conditions.
5. NC values are based on a room absorption of 10 dB, re 10⁻¹² Watts and one diffuser.
6. Blanks "-" indicate an NC level below 15.