

Performance Data

Model HCSD-R

Listed Size	Nominal Inlet	A _{EFF} (ft ²)	Neck Velocity (fpm)	800	1000	1200	1400	1600	1800	2000	2200	2400
315	250	.293	Outlet Airflow (cfm)	234	293	351	410	468	527	585	644	702
			Total Pressure (in.w.g.)	.057	.090	.129	.176	.230	.291	.359	.434	.517
			Outlet NC	17	21	25	29	32	36	40	44	48
			Horizontal Throw (ft.)	1-1-2	1-1-2	1-1-3	1-1-3	1-2-3	1-2-4	1-2-4	2-3-5	2-3-5
			Max Vertical throw (ft.)	5	6	8	9	11	13	14	16	18
400	300	.549	Outlet Airflow (cfm)	439	549	659	768	878	988	1098	1207	1317
			Total Pressure (in.w.g.)	.038	.060	.086	.117	.153	.194	.239	.289	.344
			Outlet NC	<15	<15	17	20	24	27	31	34	38
			Horizontal Throw (ft.)	1-2-4	2-2-5	2-3-6	2-3-7	2-4-7	3-4-8	3-5-9	3-5-10	4-6-11
			Max Vertical throw (ft.)	7	9	12	14	17	20	23	26	29
630	400	1.05	Outlet Airflow (cfm)	844	1054	1265	1476	1687	1898	2109	2320	2531
			Total Pressure (in.w.g.)	.044	.068	.098	.134	.175	.221	.273	.331	.394
			Outlet NC	<15	17	21	24	28	32	36	40	43
			Horizontal Throw (ft.)	2-3-5	2-3-6	3-4-8	3-4-9	3-5-10	4-6-11	4-6-13	5-7-14	5-8-15
			Max Vertical throw (ft.)	9	12	15	15	21	24	28	31	34
800	400	1.05	Outlet Airflow (cfm)	973	1216	1459	1702	1945	2189	2432	2675	2918
			Total Pressure (in.w.g.)	.043	.067	.097	.132	.173	.218	.270	.326	.388
			Outlet NC	<15	18	22	26	30	34	38	42	47
			Horizontal Throw (ft.)	2-3-5	2-3-7	3-4-5	3-5-10	4-5-11	4-6-12	5-7-14	5-8-15	5-8-16
			Max Vertical throw (ft.)	8	10	13	16	19	23	26	29	33

Performance Notes:

1. NC values shown are for basic SW... models (no plenum) and assume 10 dB room absorption. For other models apply correction factors from the table at right.
2. Horizontal throw values represent cooling or isothermal operation and are shown to terminal velocities of 150, 100 and 50 fpm.
3. Maximum Vertical Throw values represent the maximum vertical projection of the air jet.

Model	Parameter	Size 315	Size 400	Size 630	Size 800
SW...	NC	N/A	N/A	N/A	N/A
	?P	N/A	N/A	N/A	N/A
SW...V	NC	Add 1	Add 12	Add 12	Add 4
	?P	Multiply by 1.2	Multiply by 1.8	Multiply by 1.8	Multiply by 1.2
SW...H	NC	Add 4	Add 14	Add 14	Add 5
	?P	Multiply by 1.4	Multiply by 2.0	Multiply by 2.2	Multiply by 1.7