

PERFORMANCE DATA

DBH with HCD 4-Way

	Airflow (cfm)	1200	1500	1800	2100	2400	2700	3000	3300	3600
7.5T	Total Pressure (in. w.g.)	0.070	0.120	0.171	0.225	0.281	0.338	0.397	0.458	0.521
	Static Pressure (in. w.g.)	0.055	0.097	0.138	0.180	0.222	0.264	0.305	0.347	0.389
	Sound (NC)	18	26	32	37	42	46	50	53	56
	Throw (ft)	26-33-47	30-37-53	33-41-58	36-44-62	38-47-67	41-50-71	43-53-74	45-55-78	47-58-81
15T	Airflow (cfm)	2400	3000	3600	4200	4800	5400	6000	6600	7200
	Total Pressure (in. w.g.)	0.051	0.097	0.144	0.194	0.245	0.299	0.355	0.413	0.473
	Static Pressure (in. w.g.)	0.035	0.071	0.107	0.143	0.179	0.215	0.251	0.287	0.323
	Sound (NC)	18	25	31	36	40	44	48	52	55
20T	Airflow (cfm)	3200	4000	4800	5600	6400	7200	8000	8800	9600
	Total Pressure (in. w.g.)	0.040	0.080	0.123	0.167	0.213	0.260	0.309	0.359	0.412
	Static Pressure (in. w.g.)	0.027	0.060	0.094	0.128	0.161	0.195	0.229	0.263	0.296
	Sound (NC)	20	27	32	37	41	45	49	52	56
30T	Airflow (cfm)	5400	6500	7600	8700	9800	10900	12000	13100	14200
	Total Pressure (in. w.g.)	0.048	0.082	0.118	0.154	0.192	0.231	0.271	0.311	0.354
	Static Pressure (in. w.g.)	0.035	0.063	0.091	0.119	0.147	0.176	0.204	0.232	0.260
	Sound (NC)	24	30	35	39	43	46	49	52	55
40T	Airflow (cfm)	8400	10000	11600	13200	14800	16400	18000	19600	21200
	Total Pressure (in. w.g.)	0.056	0.100	0.144	0.188	0.232	0.276	0.320	0.364	0.408
	Static Pressure (in. w.g.)	0.043	0.087	0.131	0.175	0.219	0.263	0.307	0.351	0.395
	Sound (NC)	28	35	42	49	56	63	70	77	84
50T	Airflow (cfm)	12000	14400	16800	19200	21600	24000	26400	28800	31200
	Total Pressure (in. w.g.)	0.064	0.128	0.192	0.256	0.320	0.384	0.448	0.512	0.576
	Static Pressure (in. w.g.)	0.051	0.102	0.153	0.204	0.255	0.306	0.357	0.408	0.459
	Sound (NC)	32	40	48	56	64	72	80	88	96

DBH with HCD 6-Way

	Airflow (cfm)	1600	2000	2400	2800	3200	3600	4000	4400	4800
10T	Total Pressure (in. w.g.)	0.073	0.110	0.155	0.207	0.265	0.330	0.402	0.480	0.565
	Static Pressure (in. w.g.)	0.065	0.099	0.138	0.184	0.236	0.293	0.356	0.424	0.498
	Sound (NC)	20	28	34	40	44	49	52	56	59
	Throw (ft)	23-31-44	28-35-50	31-38-54	34-41-59	36-44-63	38-47-67	40-50-70	42-52-74	44-54-77
20T	Airflow (cfm)	4000	4800	5600	6400	7200	8000	8800	9600	10200
	Total Pressure (in. w.g.)	0.095	0.117	0.160	0.204	0.250	0.297	0.347	0.397	0.436
	Static Pressure (in. w.g.)	0.075	0.088	0.120	0.153	0.185	0.217	0.250	0.282	0.306
	Sound (NC)	25	31	36	40	44	47	51	54	56
40T	Airflow (cfm)	6400	8000	9600	11200	12800	14400	16000	17600	19200
	Total Pressure (in. w.g.)	0.044	0.067	0.095	0.126	0.163	0.203	0.247	0.296	0.349
	Static Pressure (in. w.g.)	0.036	0.054	0.075	0.100	0.128	0.160	0.194	0.231	0.272
	Sound (NC)	21	27	33	38	42	46	49	52	55
60T	Airflow (cfm)	9600	12000	14400	16800	19200	21600	24000	26400	28800
	Total Pressure (in. w.g.)	0.052	0.080	0.112	0.144	0.180	0.220	0.264	0.312	0.364
	Static Pressure (in. w.g.)	0.041	0.061	0.084	0.112	0.144	0.180	0.220	0.264	0.312
	Sound (NC)	24	30	36	42	48	54	60	66	72

Performance Notes:

- Tested in accordance with ASHRAE Standard 70-2023 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Air Flow is in cfm
- All pressures are in in. w.g.
- The NC values are based on a room absorption of 10dB re 10⁻¹² watts and one diffuser.
- Blanks (-) indicate an NC level below 15.
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- The performance table above is based on units with 0° blade deflection. Correction factors for other blade configurations are listed in the following table.
- 0° -30° The listed deflection settings refer to horizontal deflection.

Correction Factors

	4Way & 6Way 0° Blade Deflection	4Way 30° Blade Deflection	6Way 30° Blade Deflection
NC	-	+ 4	+ 3
Throw	-	x 0.73	x 0.73
Total Pressure	-	x 1.46	x 1.29