

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
	Airflow (cfm)	2400	3000	3600	4200	4800	5400	6000	6600	7200
15T	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
	Throw (ft)	31-46-67	38-53-74	46-58-81	51-62-88	54-67-94	58-71-100	61-74-105	64-78-110	67-81-115
	Airflow (cfm)	3200	4000	4800	5600	6400	7200	8000	8800	9600
20T	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
	Throw (ft)	33-49-77	41-61-86	49-67-94	57-72-102	63-77-109	67-81-115	70-86-121	74-90-127	77-94-133
	Airflow (cfm)	5400	6500	7600	8700	9800	10900	12000	13100	14200
30T	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
	Throw (ft)	40-61-100	49-73-109	57-84-118	65-90-127	73-95-134	82-100-142	86-105-149	90-110-155	93-114-162

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
	Airflow (cfm)	4000	4800	5600	6400	7200	8000	8800	9600	10200
20T	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
	Throw (ft)	34-50-70	41-54-77	48-59-83	51-63-89	54-67-94	57-70-99	60-74-104	63-77-109	65-79-112
	Airflow (cfm)	6400	8000	9600	11200	12800	14400	16000	17600	19200
40T	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
	Throw (ft)	32-48-89	40-60-99	48-72-109	56-83-117	64-89-125	72-94-133	80-99-140	85-104-147	89-109-154

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