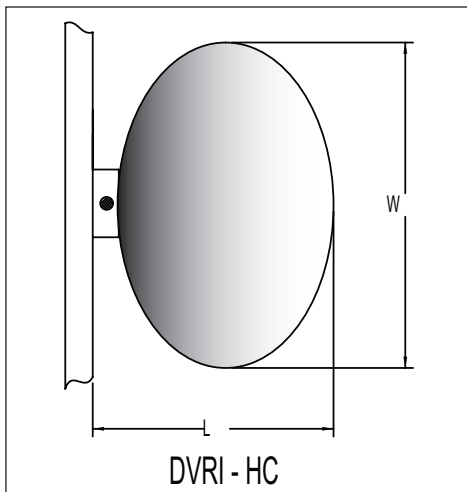


DVRI-HCS COOLING DATA

Unit Size (W x H)	Inlet Size	Neck Velocity	200	300	400	500	600	700	800
		Velocity Pressure	0.002	0.006	0.010	0.016	0.022	0.031	0.040
36" x 79"	14" Dia.	Airflow, cfm	210	315	420	525	630	735	840
		Total Pressure	0.005	0.011	0.020	0.032	0.046	0.062	0.081
		NC (Noise Criteria)	-	-	-	10	16	21	25
		Adjacent Zone (AZ) $\Delta 5^\circ$	6-5	7-8	9-11	10-14	12-17	13-20	14-23
		Adjacent Zone (AZ) $\Delta 10^\circ$	8-6	11-10	13-13	15-17	17-20	18-24	20-27
47" x 79"	24" x 8"	Airflow, cfm	261	392	522	653	783	914	1045
		Total Pressure	0.006	0.013	0.024	0.036	0.053	0.071	0.092
		NC (Noise Criteria)	-	-	11	18	24	29	33
		Adjacent Zone (AZ) $\Delta 5^\circ$	7-5	9-8	11-11	13-14	14-17	16-20	17-23
		Adjacent Zone (AZ) $\Delta 10^\circ$	10-6	13-10	15-13	18-17	20-20	22-24	24-27

PERFORMANCE NOTES

- The adjacent zone (AZ) is the discharge isovel at 1" above the floor where the terminal velocity is 50 fpm
- Adjacent zone dimensions were obtained from tests conducted in accordance with Nordtest method of aerodynamic testing and rating of low velocity
- Sound and pressure data were obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- ΔT is the "under temperature" which is the difference between room air temperature at 3-1/2 ft above the floor and the supply air temperature
- Throw values shown are distances in feet for temperature differentials of 5°F ΔT and 10°F ΔT cooling at 50 fpm terminal velocity. The first listed throw value corresponds to the length and the second throw value to the width (see diagram at bottom of page).
- NC values based on octave band 2 to 7 sound power levels minus a room absorption of 10 dB
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10 dB, re 10⁻¹² watts
- Dash (-) in space denotes an NC value of less than 10
- All pressures are given in inches of water



DVRI-HCS HEATING DATA

Unit Size (W x H)	Inlet Size	Neck Velocity	200	300	400	500	600	700	800
		Velocity Pressure	0.002	0.006	0.010	0.016	0.022	0.031	0.040
36" x 79"	14" Dia.	Airflow, cfm	210	315	420	525	630	735	840
		Total Pressure	0.011	0.024	0.042	0.066	0.095	0.130	0.169
		NC (Noise Criteria)	-	-	11	18	24	28	33
		Throw (150-100-50 fpm) at $\Delta 15^\circ\text{F}$	3-4-8	4-6-12	6-8-16	7-10-17	8-12-19	10-15-21	11-16-22
47" x 79"	24" x 8"	Airflow, cfm	261	392	522	653	783	914	1045
		Total Pressure	0.010	0.023	0.041	0.065	0.093	0.127	0.166
		NC (Noise Criteria)	-	-	14	21	27	32	36
		Throw (150-100-50 fpm) at $\Delta 15^\circ\text{F}$	3-5-9	5-7-14	6-9-17	8-12-19	9-14-21	11-16-23	12-17-25

PERFORMANCE NOTES

- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- Throw values are given for terminal velocities of 150, 100, and 50 fpm at a ΔT of 15°F . The ΔT is the difference in the supply air and room air temperature
- NC values based on octave band 2 to 7 sound power levels minus a room absorption of 10 dB
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10 dB, re 10^{-12} watts
- Dash (-) is space denotes an NC value of less than 10
- All pressures are given in inches of water