

PERFORMANCE DATA

HELIOS AHRI DATA

AHRI Directory of Certified Performance

AHRI Rating Data			Inlet Size	6" Inlet	8" Inlet	10" Inlet	12" Inlet		
Standard Ratings Sound Power Level, dB	3. Airflow, cfm				147	262	409	589	
	4. Min. Operating Pressure, in H ₂ O				0.076	0.085	0.134	0.219	
	5. Max. Inlet Static Pressure @ 400 fpm Neck Velocity, in H ₂ O				0.181	0.305	0.365	0.425	
	6. Rated with Pressure Relief, yes/no				n	n	n	n	
	Discharge	Standard Airflow Fully open damper 750 fpm Neck Velocity	Minimum Differential Static Pressure, in H ₂ O	Hz Octave Band Center Frequency	125	42	48	54	61
					250	37	43	50	56
					500	36	42	49	53
					1000	30	36	44	48
					2000	24	30	37	42
					4000	+	19	27	36
	Discharge	Standard Airflow Throttled Damper 400 fpm Neck Velocity	Max. Inlet Static Pressure, in H ₂ O	Hz Octave Band Center Frequency	125	40	46	53	60
					250	37	43	51	68
					500	37	42	48	58
					1000	32	39	45	53
2000					27	37	44	50	
4000					+	30	37	44	
Note: Sound Power levels below values shown in this table shall be listed as below significance.									
Hz Octave Band			125	250	500	1000	2000	4000	
Sound Power Level, dB			36	29	26	22	19	17	

Performance data is presented for the Helios diffuser with the internal VAV damper in full open position

NC	6" Inlet	8" Inlet	10" Inlet	12" Inlet
750 fpm	20	26	34	38
400 fpm**	21	28	35	48

** Damper throttled to achieve max inlet static pressure