

HLC-GFR – 1-WAY PATTERN WITHOUT HEPA FILTER

Module Size and Inlet Size	1-Way Pattern				Vertical Throw (feet)			Horizontal Spread (feet)		
	CFM	Ps	Pt	NC	100	75	50	100	75	50
24 x 24	250	.058	.089	19	1	2	3	2	3	5
	400	.130	.211	32	2	3	4	4	5	7
	500	.210	.340	39	2	3	4	6	7	8
48 x 24	250	.024	.037	<15	0	0	1	3	4	6
	400	.054	.088	22	0	1	2	6	7	9
	550	.100	.163	33	2	3	4	8	9	10

HLC-GFR – 2-WAY PATTERN WITHOUT HEPA FILTER

Module Size and Inlet Size	2-Way Pattern				Vertical Throw (feet)			Horizontal Spread (feet)		
	CFM	Ps	Pt	NC	100	75	50	100	75	50
24 x 24	250	.056	.088	19	1	2	4	1	3	5
	400	.143	.225	32	2	3	4	5	6	7
	500	.212	.340	39	2	4	5	6	7	8
48 x 24	250	.023	.036	<15	1	1.5	2	0	3.5	5
	500	.087	.139	29	1	1.5	2.5	5	7	10
	700	.145	.248	38	1	1.5	2.5	6	8	10

PERFORMANCE NOTES FOR SERIES HLC-GFR

All data is tested in accordance with ANSI/ASHRAE 70 and 113.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Pv Velocity pressure (inches of water column)

Pt Total pressure (inches of water column)

Ps Static pressure = Pt-Pv (inches of water column)

Throw Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50 fpm velocities

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10⁻¹² watts minus a 10 dB room attenuation in all octave bands