

RVDC

Radial Vane Diffuser with HEPA Filter

PERFORMANCE DATA

Imperial

Nominal Unit Size (in.)	Air Flow (cfm)	Filter	Static Pressure (in. w.g.)	Sound (NC)	Horizontal Throw (ft.) 150-100-50
24 x 24	150	HE 95% 3 µm	0.14	-	1-2-4
	200		0.21	-	2-3-6
	250		0.28	-	2-4-7
	150	HEPA 99.99% 3 µm	0.36	-	1-2-4
	200		0.50	-	2-3-6
	250		0.62	-	2-4-7
	150	ULPA 99.9995% 3 µm	0.50	-	1-2-4
	200		0.70	-	2-3-6
	250		0.88	-	2-4-7

Performance Notes:

- sp = Static Pressure, in. w.g., required at inlet for the listed cfm.
- cfm = Air flow in cubic feet per minute [cfm].
- NC = Noise Criteria. NC values are based on room absorption of 10dB, re 10⁻¹² watts.
- Blanks "-" indicate an NC level below 15.
- Throw are given in feet to terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- Throw values are based on isothermal conditions.
- sp and NC at full open damper position.
- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."

Metric

Nominal Unit Size (mm)	Air Flow (L/s)	Filter	Static Pressure (Pa)	Sound (NC)	Horizontal Throw (m) 0.75-0.50-0.25
610 x 610	71	HE 95% 3 µm	35	-	0.3-0.6-1.2
	94		52	-	0.6-0.9-1.8
	118		70	-	0.6-1.2-2.1
	71	HEPA 99.99% 3 µm	90	-	0.3-0.6-1.2
	94		124	-	0.6-0.9-1.8
	118		154	-	0.6-1.2-2.1
	71	ULPA 99.9995% 3 µm	124	-	0.3-0.6-1.2
	94		174	-	0.6-0.9-1.8
	118		219	-	0.6-1.2-2.1

Performance Notes:

- sp = Static Pressure in Pascals, Pa., required at inlet for the listed L/s.
- L/s = Air flow in liters per second [L/s].
- NC = Noise Criteria. NC values are based on room absorption of 10dB, re 10⁻¹² watts.
- Blanks "-" indicate an NC level below 15.
- Throw are given in feet to terminal velocities of 0.75 m/s (minimum), 0.5 m/s (middle) and 0.25 m/s (maximum).
- Throw values are based on isothermal conditions.
- sp and NC at full open damper position.
- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."