



RVD-NP								
		CORE OPEN (60° CONE)			CORE CLOSED (130° CONE)			
NECK SIZE	TOTAL PRESSURE	FLOW	VERTICAL THROW (10°C Δ)	NC LEVEL	FLOW	VERTICAL THROW COMPONENT (10°C Δ)	HORIZONTAL THROW COMPONENT (10°C Δ)	NC LEVEL
[inches]	["wg]	[CFM]	[ft] (ft/min)	[-]	[CFM]	[ft] (49ft/min)	[ft] (49ft/min)	[-]
12.4"	0.10	752	15	38	568	13	16	36
	0.20	1064	18	48	792	15	17	41
	0.30	1305	20	51	966	16	19	46
	0.40	1509	21	55	1121	17	20	49
15.7"	0.10	1208	22	50	994	15	17	39
	0.20	1708	26	59	1407	17	20	49
	0.30	2091	28	65	1723	21	24	54
	0.40	2416	30	68	1990	23	26	59
24.8"	0.10	2996	26	55	2172	16	19	42
	0.20	4236	29	60	3072	19	22	51
	0.30	5186	31	66	3763	22	25	55
	0.40	5990	33	70	4344	24	26	61

All measurements were recorded with a differential of 10°C between supply and room temperature. Throw is measured at the point at which the air velocity reaches 49ft/min. In heating, the RVD forms a 60°±.10 degree cone shaped pattern of air. Velocity measurements were taken directly below the diffuser. In cooling, the RVD forms a 130°±.10 degree cone shaped pattern of air. Velocity measurements were taken along this line but recorded in metres as a vertical and horizontal component.

Noise Criteria levels apply to a single diffuser mounted in a room having a Sound Absorption of 10dB in octave bands having centre frequencies from 125Hz to 8000Hz (i.e. the difference between Sound Pressure Level (dB re:2 x 10⁻⁸ "wg) and Sound Power Level (dBW re: 10⁻¹² watts) is equal to 10dB). These levels represent only the noise generated by the diffuser and do not take into account any duct-borne noise.

NOTE: Performance will differ from catalogue values if side-entry square plenums are used.

For performance data not reflected on any of the preceding tables, kindly contact your local Rickard sales representative.

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Performance Data applies to Standard Air having a density of 0.075 lbm/ft³.