

DISPLACEMENT VENTILATION PERFORMANCE DATA
MODEL XG-DD-RD 90

Unit Size (w x h)	Inlet Size	Neck Velocity	100	200	300	400	500	600	700
		Velocity Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031
18"x24"	6" Dia.	CFM	20	40	60	80	100	120	135
		P _t	0.001	0.004	0.010	0.017	0.027	0.038	0.049
		Throw	2	2	3	3	3	4	5
		NC	-	-	-	-	-	-	15
24"x24"	8" Dia.	CFM	35	70	105	140	175	210	245
		P _t	0.001	0.004	0.009	0.017	0.026	0.037	0.051
		Throw	2	3	4	5	6	7	7
		NC	-	-	-	-	-	-	-
24"x36"	8" Dia.	CFM	35	70	105	140	175	210	245
		P _t	0.001	0.004	0.009	0.017	0.026	0.037	0.051
		Throw	2	3	4	5	6	7	7
		NC	-	-	-	-	-	-	16
24"x48"	10" Dia.	CFM	55	110	165	220	275	325	380
		P _t	0.001	0.004	0.009	0.017	0.026	0.036	0.050
		Throw	4	5	6	7	7	8	8
		NC	-	-	-	-	-	-	16
30"x24"	10" Dia.	CFM	55	110	165	220	275	325	380
		P _t	0.001	0.004	0.009	0.017	0.026	0.036	0.050
		Throw	3	5	6	7	8	9	9
		NC	-	-	-	-	-	-	17
30"x36"	10" Dia.	CFM	55	110	165	220	275	325	380
		P _t	0.001	0.004	0.009	0.017	0.026	0.036	0.050
		Throw	5	6	7	8	9	10	11
		NC	-	-	-	-	-	-	17
36"x60"	12" Dia.	CFM	80	155	235	315	395	470	550
		P _t	0.001	0.004	0.009	0.017	0.026	0.037	0.050
		Throw	4	5	7	7	9	10	11
		NC	-	-	-	-	-	-	18
30"x60"	12" Dia.	CFM	80	155	235	315	395	470	550
		P _t	0.001	0.004	0.009	0.017	0.026	0.037	0.050
		Throw	5	6	7	8	9	10	11
		NC	-	-	-	-	-	-	17

PERFORMANCE NOTES FOR MODEL XG-DD-RD 90

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

P_t Total pressure (inches of water column)

Throw Distance in feet @50fpm terminal velocity with 10°FΔT cooling differential.

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