

DISPLACEMENT VENTILATION PERFORMANCE DATA
MODEL XG-DD-WALL 1W

Unit Size (w x h)	Inlet Size	Neck Velocity	200	300	400	500	600	700	800
		Velocity Pressure	0.002	0.006	0.010	0.016	0.022	0.031	0.040
16"x16"	10"x2"	CFM	30	40	55	70	85	95	110
		P _t	0.008	0.014	0.027	0.043	0.064	0.080	0.107
		Throw	1	1	1	2	2	2	3
		NC	-	-	-	-	17	21	24
16"x24"	10"x2"	CFM	30	40	55	70	85	95	110
		P _t	0.005	0.009	0.018	0.029	0.043	0.053	0.071
		Throw	1	1	1	2	2	2	3
		NC	-	-	-	-	16	20	25
20"x20"	12"x2"	CFM	35	50	65	85	100	115	135
		P _t	0.006	0.012	0.020	0.034	0.047	0.062	0.086
		Throw	1	2	3	3	3	4	4
		NC	-	-	-	-	16	22	26
24"x24"	14"x2"	CFM	40	60	80	95	115	135	155
		P _t	0.004	0.010	0.018	0.025	0.037	0.051	0.067
		Throw	1	2	3	3	4	4	5
		NC	-	-	-	-	16	22	26
24"x30"	20"x3"	CFM	85	125	165	210	250	290	335
		P _t	0.008	0.016	0.029	0.046	0.065	0.088	0.118
		Throw	2	3	4	5	5	6	6
		NC	-	-	-	-	17	24	28
24"x36"	20"x3"	CFM	85	125	165	210	250	290	335
		P _t	0.006	0.014	0.024	0.038	0.055	0.073	0.098
		Throw	2	3	4	5	6	6	7
		NC	-	-	-	-	17	23	28
24"x48"	20"x3"	CFM	85	125	165	210	250	290	335
		P _t	0.005	0.010	0.018	0.029	0.041	0.055	0.073
		Throw	3	4	5	5	5	6	7
		NC	-	-	-	-	17	22	26
30"x24"	20"x3"	CFM	85	125	165	210	250	290	335
		P _t	0.008	0.016	0.029	0.046	0.065	0.088	0.118
		Throw	4	5	5	6	6	6	7
		NC	-	-	-	-	18	23	27

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		Velocity Pressure	0.002	0.006	0.010	0.016	0.022	0.031	0.040
36"x24"	20"x3"	CFM	85	125	165	210	250	290	335
		P_t	0.006	0.014	0.024	0.038	0.055	0.073	0.098
		Throw	4	5	6	6	7	7	8
		NC	-	-	-	-	17	21	26
48"x24"	20"x3"	CFM	85	125	165	210	250	290	335
		P_t	0.005	0.010	0.018	0.029	0.041	0.055	0.073
		Throw	4	4	5	6	7	8	8
		NC	-	-	-	-	17	20	26
60"x24"	24"x3"	CFM	100	150	200	250	300	350	400
		P_t	0.005	0.010	0.017	0.028	0.039	0.053	0.071
		Throw	5	6	6	7	8	9	9
		NC	-	-	-	-	17	22	26

PERFORMANCE NOTES FOR MODEL XG-DD-WALL 1W

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