

**DISPLACEMENT VENTILATION PERFORMANCE DATA**  
**MODEL XG-DD-REC 3W**

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
24"x24"	8" Dia.	CFM	70	105	140	175	210	245	280
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.044	0.060	0.078
		Throw	2	3	4	5	6	7	8
		NC	-	-	-	-	-	-	15
24"x48"	10" Dia.	CFM	110	165	220	275	325	380	435
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.043	0.059	0.077
		Throw	1	2	2	3	5	7	9
		NC	-	-	-	-	-	-	-
24"x60"	10" Dia.	CFM	110	165	220	275	325	380	435
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.043	0.059	0.077
		Throw	1	2	2	3	5	7	9
		NC	-	-	-	-	-	-	-
48"x24"	10" Dia.	CFM	110	165	220	275	325	380	435
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.043	0.059	0.077
		Throw	1	1	2	3	5	7	8
		NC	-	-	-	-	-	-	15
60"x24"	10" Dia.	CFM	110	165	220	275	325	380	435
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.043	0.059	0.077
		Throw	1	2	3	4	5	6	7
		NC	-	-	-	-	-	-	-
36"x48"	12" Dia.	CFM	155	235	315	395	470	550	630
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.044	0.060	0.078
		Throw	2	4	5	6	8	9	11
		NC	-	-	-	-	-	-	13
36"x60"	12" Dia.	CFM	155	235	315	395	470	550	630
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.044	0.060	0.078
		Throw	1	3	4	5	7	8	9
		NC	-	-	-	-	-	-	-
48"x36"	12" Dia.	CFM	155	235	315	395	470	550	630
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.044	0.060	0.078
		Throw	2	3	5	6	8	9	10
		NC	-	-	-	-	-	-	15

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		Velocity Pressure	0.002	0.006	0.010	0.016	0.022	0.031	0.040
60"x36"	12" Dia.	CFM	155	235	315	395	470	550	630
		P <sub>t</sub>	0.005	0.011	0.020	0.031	0.044	0.060	0.078
		Throw	2	3	4	5	6	8	9
		NC	-	-	-	-	-	13	14
24"x24"	16"x6"	CFM	135	200	265	335	400	465	535
		P <sub>t</sub>	0.005	0.011	0.019	0.031	0.044	0.059	0.078
		Throw	5	5	6	8	10	13	15
		NC	-	-	-	-	17	21	24
24"x48"	16"x8"	CFM	180	265	355	445	535	620	710
		P <sub>t</sub>	0.005	0.011	0.019	0.030	0.044	0.059	0.078
		Throw	5	5	6	8	10	15	17
		NC	-	-	-	-	-	15	18
24"x60"	18"x8"	CFM	200	300	400	500	600	700	800
		P <sub>t</sub>	0.005	0.011	0.019	0.030	0.044	0.060	0.078
		Throw	5	5	6	8	10	16	18
		NC	-	-	-	-	-	-	17
48"x24"	16"x8"	CFM	180	265	355	445	535	620	710
		P <sub>t</sub>	0.004	0.009	0.015	0.024	0.035	0.047	0.061
		Throw	4	6	7	8	9	10	11
		NC	-	-	-	-	-	-	21

**PERFORMANCE NOTES FOR MODEL XG-DD-REC 3W**

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

**DEFINITION OF UNITS**

CFM Cubic Feet per Minute (air)

P<sub>t</sub> 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<sup>-12</sup> watts minus a 10dB room attenuation in all octave bands