

SERIES XG-SGWM PERFORMANCE DATA
MODEL XG-SGWM

Size (in)	NK Vel	100	150	200	250	300	350	400	450	500	600	700
Neck Area ft ²	Ps	.003	.006	.010	.016	.023	.031	.040	.051	.063	.071	.096
06x06 .250	CFM	19	29	38	48	57	67	76	86	95	114	133
	NC	-	-	-	-	-	-	-	11	13	16	18
08x06 .333	CFM	27	40	53	67	80	93	106	120	133	159	186
	NC	-	-	-	-	-	-	11	13	15	17	20
08x08 .444	CFM	37	55	73	91	109	128	146	164	182	218	255
	NC	-	-	-	-	-	-	12	14	16	19	21
09x06 .375	CFM	30	45	60	75	90	105	120	135	150	180	210
	NC	-	-	-	-	-	-	12	13	15	18	20
09x09 .563	CFM	48	71	95	118	142	165	189	212	236	283	330
	NC	-	-	-	-	-	12	14	15	17	20	22
10x06 .417	CFM	34	51	68	85	102	119	136	153	169	203	237
	NC	-	-	-	-	-	-	12	14	16	19	21
10x10 .694	CFM	60	89	119	149	178	208	238	267	297	356	416
	NC	-	-	-	-	-	13	15	16	18	21	23
12x06 .500	CFM	41	62	82	103	123	144	164	185	205	246	287
	NC	-	-	-	-	-	11	13	15	16	19	22
12x08 .667	CFM	57	85	113	142	170	198	226	255	283	339	396
	NC	-	-	-	-	-	12	14	16	18	21	23
12x10 .833	CFM	73	109	145	181	217	253	289	325	361	433	505
	NC	-	-	-	-	11	13	15	17	19	22	24
12x12 1.000	CFM	88	132	176	220	264	308	352	396	440	528	616
	NC	-	-	-	-	12	14	16	18	20	23	25
14x14 1.361	CFM	122	183	244	305	366	427	488	549	610	732	854
	NC	-	-	-	-	13	16	18	20	21	24	26
15x15 1.563	CFM	141	212	282	353	423	494	564	635	705	846	987
	NC	-	-	-	11	14	16	18	20	22	25	27
16x12 1.333	CFM	120	179	239	298	358	417	477	536	596	715	834
	NC	-	-	-	-	13	16	18	19	21	24	26
16x16 1.778	CFM	162	243	324	404	485	566	647	728	808	970	1132
	NC	-	-	-	12	15	17	19	21	22	25	28
18x06 .750	CFM	63	95	126	157	189	220	252	283	314	377	440
	NC	-	-	-	-	-	13	15	17	18	21	24

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Neck Area ft ²	Ps	.003	.006	.010	.016	.023	.031	.040	.051	.063	.071	.096
18x08 1.000	CFM	87	131	174	217	261	304	348	391	434	521	608
	NC	-	-	-	-	12	14	16	18	20	23	25
18x15 1.875	CFM	171	256	341	427	512	597	682	768	853	1023	1194
	NC	-	-	-	12	15	17	19	21	23	25	28
18x18 2.250	CFM	207	310	413	516	620	723	826	929	1032	1239	1445
	NC	-	-	-	13	16	18	20	22	23	26	27
20x20 2.778	CFM	258	387	515	644	773	901	1030	1159	1287	1545	1802
	NC	-	-	-	14	17	19	21	23	24	27	30
21x12 1.750	CFM	159	238	317	396	475	554	633	712	791	950	1108
	NC	-	-	-	12	14	17	19	21	22	25	28
21x21 3.063	CFM	285	428	570	713	855	998	1140	1283	1425	1710	1995
	NC	-	-	11	14	17	19	21	23	25	28	30
22x22 3.361	CFM	314	471	627	784	941	1097	1254	1411	1567	1881	2194
	NC	-	-	11	15	17	20	22	24	25	28	31
24x08 1.333	CFM	117	176	234	293	351	410	468	527	585	702	819
	NC	-	-	-	-	13	16	18	19	21	24	26
24x12 2.000	CFM	182	273	364	455	546	637	728	819	909	1091	1273
	NC	-	-	-	12	15	17	20	21	23	26	28
24x15 2.500	CFM	230	345	460	575	690	805	920	1035	1150	1380	1610
	NC	-	-	-	13	16	18	21	22	24	27	29
24x18 3.000	CFM	279	418	557	696	836	975	1114	1253	1392	1671	1949
	NC	-	-	11	14	17	19	21	23	25	28	30
24x24 4.000	CFM	376	564	752	939	1127	1315	1503	1691	1878	2254	2630
	NC	-	-	12	15	18	21	23	24	26	29	31
26x26 4.694	CFM	444	666	888	1110	1332	1554	1776	1998	2219	2663	3107
	NC	-	-	13	16	19	21	23	25	27	30	32
28x18 3.500	CFM	327	491	654	817	981	1144	1308	1471	1634	1961	2288
	NC	-	-	11	15	18	20	22	24	26	28	31
28x28 5.440	CFM	516	773	1031	1288	1546	1804	2061	2319	2576	3092	3607
	NC	-	-	13	17	20	22	24	26	27	30	33
30x12 2.500	CFM	229	343	457	571	686	800	914	1028	1142	1371	1599
	NC	-	-	-	13	16	18	20	22	24	27	29

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Size (in)	Nk Vel	100	150	200	250	300	350	400	450	500	600	700
Neck Area ft ²	Ps	.003	.006	.010	.016	.023	.031	.040	.051	.063	.071	.096
30x24 5.000	CFM	472	708	944	1180	1416	1652	1888	2124	2359	2831	3303
	NC	-	-	13	16	19	22	24	25	27	30	32
30x30 6.250	CFM	595	892	1190	1487	1784	2082	2379	2676	2973	3568	4163
	NC	-	-	14	17	20	23	25	26	28	31	33
36x12 3.000	CFM	276	413	551	688	826	964	1101	1239	1376	1652	1927
	NC	-	-	11	14	17	19	21	23	25	28	30
36x24 6.000	CFM	569	853	1138	1422	1706	1991	2275	2559	2843	3412	3981
	NC	-	-	14	17	20	22	24	26	28	31	33
36x30 7.500	CFM	716	1074	1431	1789	2147	2504	2862	3220	3577	4293	5008
	NC	-	-	15	18	21	23	25	27	29	32	34
36x36 9.000	CFM	863	1294	1725	2156	2588	3019	3450	3881	4312	5175	6037
	NC	-	11	16	19	22	24	26	28	30	33	35
48x12 4.000	CFM	369	554	738	922	1107	1291	1476	1660	1844	2213	2582
	NC	-	-	12	15	18	20	23	24	26	29	31
48x24 8.000	CFM	763	1144	1526	1907	2288	2670	3051	3432	3813	4576	5339
	NC	-	11	15	18	21	24	26	28	29	32	34
48x36 12.000	CFM	1158	1737	2316	2894	3473	4052	4631	5210	5788	6946	8104
	NC	-	12	17	20	23	25	18	29	31	34	36
48x48 16.000	CFM	1550	2325	3100	3875	4650	5425	6200	6975	7750	9300	10850
	NC	-	14	18	22	24	27	29	31	32	35	37

PERFORMANCE NOTES FOR SERIES XG-SGWM

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in Feet per Minute

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

Ps Static pressure = Pt-Pv (inches of water column)