

SERIES XG-3000 PERFORMANCE DATA MODEL XG-3000

Neck Size	fpm Neck Vel	400	500	600	700	800	900	1000	1200	1400	1600
	Pv	0.01	0.016	0.023	0.031	0.04	0.051	0.063	0.09	0.122	0.16
	Ps Horiz.	0.011	0.018	0.026	0.035	0.046	0.059	0.072	0.105	0.145	0.19
	Ps Vert.	0.019	0.03	0.043	0.058	0.075	0.096	0.115	0.17	0.225	0.3
6	CFM	80	100	110	140	160	180	200	240	280	320
	Throw	1-3	2-4	2-5	3-6	3-7	3-8	4-8	4-9	5-10	6-12
	NC	-	-	-	20	24	27	36	36	39	44
8	CFM	140	175	210	245	280	315	350	420	490	560
	Throw	2-4	2-5	3-6	3-7	4-8	4-10	5-11	5-13	6-14	7-16
	NC	-	-	-	20	24	27	31	36	39	44
10	CFM	220	270	330	380	435	490	545	655	765	870
	Throw	2-5	3-6	3-7	4-8	5-10	6-11	6-12	7-14	8-18	9-21
	NC	-	-	-	21	25	28	32	37	40	45
12	CFM	315	390	470	550	630	710	785	940	1100	1260
	Throw	3-7	3-8	4-10	5-11	6-13	7-15	8-17	9-19	10-21	12-25
	NC	-	-	20	22	26	29	33	38	41	46
14	CFM	425	535	640	750	855	965	1070	1285	1500	1710
	Throw	3-8	4-9	5-11	6-13	7-16	8-18	9-20	11-13	13-26	15-30
	NC	-	-	20	23	27	31	34	40	43	48
16	CFM	560	700	840	980	1120	1260	1400	1680	1960	2240
	Throw	4-9	5-10	5-13	6-15	7-17	9-21	10-23	12-27	14-30	16-35
	NC	-	-	21	24	28	33	36	41	44	49
18	CFM	710	885	1060	1240	1420	1595	1770	2120	2480	2830
	Throw	4-10	5-12	6-15	7-17	9-21	11-23	13-26	15-31	16-34	18-38
	NC	-	-	21	25	29	34	37	42	45	51
20	CFM	875	1090	1310	1525	1745	1965	2180	2620	3060	3490
	Throw	4-11	6-14	7-16	8-19	9-23	17-23	13-28	15-33	18-38	20-42
	NC	-	20	22	26	30	36	39	44	47	53
24	CFM	1255	1570	1885	2200	2510	2825	3140	3770	4395	5025
	Throw	12-24	13-26	14-28	15-30	16-33	17-35	18-37	20-40	23-45	25-50
	NC	22	26	28	31	35	38	41	47	51	55

PERFORMANCE NOTES FOR SERIES XG-3000

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

DEFINITION OF UNITS

- 1 Tabulated radial throw in feet is based on a 9' ceiling height, ambient supply air, MAX Throw @ Vt = 75fpm, MIN Throw @ Vt = 150fpm, and the diffuser inner cones in down position for 360° horizontal air distribution pattern.
- 2 For vertical down protection air pattern with cooling supply air temperature 20° below room temperature and diffuser inner cones in up position: multiply the tabulated radial throw values by a factor of 0.80 to obtain vertical down projection distances at MIN and MAX (Vt) terminal velocities.
- 3 For vertical down projection air pattern with heating supply air temperatures 20° above room temperature and diffuser inner cones in up position: multiply the tabulated radial throw values by a factor of 0.60 to obtain vertical down projection distances at MIN and MAX (Vt) terminal velocities.
- 4 Velocity Pressure (Pv) and Static Pressure (Ps) are in inches of water.
- 5 Series 3000 Diffusers are tested in accordance with ASHRAE 70-2006. Sound data are calculated in accordance with International Standard ISO 3741 comparison method. The NC values are based on a room absorption of 10dB for sound power level (lw) re: 10⁻¹² watts - symbol indicates NC less than 20.
- 6 All data is applicable for exposed for exposed duct mounting or ceiling installation.