

**SERIES XG-R5750 PERFORMANCE DATA**  
**MODEL XG-R5750**

Neck Size	Nk Velocity	400	500	600	700	800	900	1000	12000
	Pv	0.015	0.024	0.034	0.046	0.06	0.076	0.094	0.136
6	CFM	79	98	118	137	157	177	196	236
	Ps	0.023	0.035	0.052	0.070	0.092	0.117	0.143	0.208
	Pt	0.038	0.059	0.086	0.116	0.152	0.193	0.237	0.344
	Throw	1-2-4	2-3-5	2-3-6	2-3-6	2-4-7	3-4-8	3-5-9	4-6-11
	NC	-	-	19	24	29	31	34	38
8	CFM	140	175	209	244	279	314	349	419
	Ps	0.024	0.037	0.054	0.074	0.096	0.122	0.150	0.216
	Pt	0.039	0.061	0.088	0.120	0.156	0.198	0.244	0.352
	Throw	1-2-4	2-3-6	2-3-7	3-4-8	3-4-9	3-5-10	4-6-11	4-7-13
	NC	-	16	21	26	31	33	35	40
10	CFM	218	273	327	382	436	491	545	654
	Ps	0.026	0.040	0.058	0.080	0.104	0.132	0.162	0.233
	Pt	0.041	0.064	0.092	0.126	0.164	0.208	0.256	0.369
	Throw	3-4-7	4-6-9	4-7-11	5-8-13	6-9-14	7-10-16	7-11-18	9-13-21
	NC	-	-	-	24	28	32	35	41
12	CFM	314	393	471	550	628	707	785	942
	Ps	0.035	0.054	0.078	0.106	0.139	0.175	0.216	0.311
	Pt	0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.447
	Throw	4-5-11	4-7-12	5-8-13	6-9-14	7-11-16	8-12-19	9-13-21	11-16-22
	NC	-	-	-	26	29	34	36	43
14	CFM	428	535	641	748	855	962	1069	1283
	Ps	0.025	0.038	0.055	0.075	0.098	0.124	0.153	0.220
	Pt	0.040	0.062	0.089	0.121	0.158	0.200	0.247	0.356
	Throw	4-6-12	5-7-12	6-9-13	7-10-16	8-12-17	9-13-19	10-15-21	12-18-21
	NC	-	-	22	23	25	26	29	33
16	CFM	559	698	838	977	1117	1257	1396	1676
	Ps	0.038	0.058	0.084	0.114	0.149	0.187	0.230	0.328
	Pt	0.053	0.082	0.118	0.160	0.209	0.263	0.324	0.464
	Throw	4-7-13	6-8-13	7-10-15	8-12-18	9-13-19	10-15-21	11-17-23	13-20-24
	NC	19	19	24	26	32	33	34	37

CEILING  
DIFFUSERS

ROUND  
CEILING DIFFUSERS

XG-R5750

## PERFORMANCE NOTES FOR SERIES XG-R5750

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

*Pv* Velocity pressure (inches of water column)

*Pt* Total pressure (inches of water column)

*Ps* Static pressure =  $P_t - P_v$  (inches of water column)

*Throw* Isothermal throw (supply air temperature the same as average room temperature); values are for 150, 100 and 50fpm velocities

*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