

### PERFORMANCE DATA

Inlet Size	Area Factor Ak (Ft <sup>2</sup> )		Horizontal Throw				Face Velocity (Fpm)					
			1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
200	0.16	Airflow (CFM)	160	192	224	256	288	320	352	384	416	448
		SP (in., wg)	0.021	0.030	0.041	0.053	0.067	0.083	0.101	0.120	0.141	0.163
		NC	<15	<15	15	20	23	27	30	32	35	37
		Throw 50,100,150 (Ft.)	8,4,2	8,5,3	9,5,3	10,6,4	12,8,5	14,10,7	17,12,8	19,15,10	23,18,12	27,21,14
250	0.2	Airflow (CFM)	200	240	280	320	360	400	440	480	520	560
		SP (in., wg)	0.019	0.027	0.036	0.048	0.060	0.075	0.090	0.108	0.126	0.147
		NC	<15	<15	<15	17	20	24	27	30	32	35
		Throw 50,100,150 (Ft.)	9,5,3	10,6,4	11,7,4	12,8,6	14,10,7	16,12,8	19,14,10	22,16,11	25,18,13	28,21,15
315	0.342	Airflow (CFM)	342	410	478	547	615	684	752	820	889	957
		SP (in., wg)	0.013	0.019	0.025	0.033	0.043	0.053	0.064	0.077	0.091	0.106
		NC	<15	<15	<15	<15	15	18	22	24	27	30
		Throw 50,100,150 (Ft.)	13,7,4	14,9,5	16,11,7	18,13,8	21,15,10	23,16,12	25,18,13	28,19,15	31,20,16	33,21,18
400	0.434	Airflow (CFM)	434	521	608	694	781	868	955	1042	1128	1215
		SP (in., wg)	0.011	0.016	0.022	0.029	0.037	0.046	0.056	0.067	0.079	0.093
		NC	<15	<15	<15	<15	<15	18	21	24	27	30
		Throw 50,100,150 (Ft.)	14,8,4	17,11,6	19,13,8	22,15,9	24,17,11	27,18,13	29,19,14	31,20,16	34,21,17	36,22,19
500	0.663	Airflow (CFM)	663	796	928	1061	1193	1326	1459	1591	1724	1856
		SP (in., wg)	0.013	0.019	0.026	0.034	0.043	0.053	0.065	0.078	0.092	0.107
		NC	<15	<15	17	21	25	29	32	35	37	40
		Throw 50,100,150 (Ft.)	18,8,3	21,10,4	24,12,6	27,15,7	30,16,9	33,18,11	35,20,13	37,21,15	39,22,18	41,23,20
630	0.796	Airflow (CFM)	796	955	1114	1273	1432	1591	1750	1909	2069	2228
		SP (in., wg)	0.018	0.026	0.036	0.047	0.060	0.074	0.089	0.107	0.125	0.146
		NC	<15	<15	19	23	27	31	34	37	39	42
		Throw 50,100,150 (Ft.)	22,6,2	27,8,2	31,9,3	36,11,5	39,13,6	43,15,9	46,17,11	49,20,14	51,22,18	53,25,21

#### Notes:

- 1- Laboratory tests were performed in accordance with ASHRAE Standard 70-06 "Method of Testing For Rating the Performance of Air Outlets and Inlets" ETL-ETS USA.
- 2- Air volume is in CFM at isothermal Conditions with blade set at 30° Open without Plenum with Straight Duct connection.
- 3- Static Pressure is in Inch of Water
- 4- Ak - Area factor in ft<sup>2</sup>
- 5- NC Level is based in Room Attenuation of 10dB with one diffuser operating.
- 6- Throw data is given for terminal velocities (Maximum velocity in fpm at specified distance from outlet face) of 50, 100 & 150Fpm. Throw values are given for Isothermal conditions.



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Inlet Size	Area Factor Ak (Ft²)		Vertical Throw			Face Velocity (Fpm)						
			600	700	800	900	1000	1100	1200	1300	1400	1500
200	0.251	Airflow (CFM)	151	176	201	226	251	276	301	326	351	377
		SP (in., wg)	0.001	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.006	0.007
		NC	<15	<15	<15	<15	<15	<15	15	18	20	22
		Throw 50,100,150 (Ft.)	13,6,3	14,7,4	15,8,5	16,10,6	17,11,7	18,12,8	20,14,9	21,15,11	23,17,12	26,19,13
250	0.314	Airflow (CFM)	188	220	251	282	314	345	377	408	439	471
		SP (in., wg)	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.005
		NC	<15	<15	<15	<15	<15	<15	15	17	20	22
		Throw 50,100,150 (Ft.)	14,7,4	14,8,5	15,9,6	17,10,7	18,11,8	20,13,9	22,14,10	24,16,12	26,18,13	28,20,14
315	0.736	Airflow (CFM)	441	515	588	662	736	809	883	956	1030	1103
		SP (in., wg)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.003
		NC	<15	<15	<15	<15	<15	<15	17	20	22	24
		Throw 50,100,150 (Ft.)	18,10,6	20,12,8	22,13,9	25,15,11	28,17,13	30,19,14	34,21,16	37,23,17	40,25,19	44,27,21
400	0.934	Airflow (CFM)	560	654	747	841	934	1027	1121	1214	1308	1401
		SP (in., wg)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.003
		NC	<15	<15	<15	<15	<15	17	20	23	25	27
		Throw 50,100,150 (Ft.)	21,12,7	24,13,9	26,15,11	29,17,13	32,19,14	36,21,16	39,24,18	43,26,20	46,28,21	50,31,23
500	1.573	Airflow (CFM)	944	1101	1258	1416	1573	1730	1888	2045	2202	2360
		SP (in., wg)	0.002	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.010	0.011
		NC	16	20	24	28	31	34	37	39	41	43
		Throw 50,100,150 (Ft.)	31,17,9	36,20,12	41,23,14	46,26,16	50,28,18	53,31,21	56,33,23	59,35,25	61,37,27	62,39,29
630	1.888	Airflow (CFM)	1133	1321	1510	1699	1888	2076	2265	2454	2643	2831
		SP (in., wg)	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.010	0.011	0.013
		NC	20	24	28	32	35	37	40	42	44	47
		Throw 50,100,150 (Ft.)	32,17,9	39,21,12	44,24,14	49,27,16	53,30,19	56,32,21	59,35,23	61,37,25	62,38,28	63,40,30

#### Notes:

- 1- Laboratory tests were performed in accordance with ASHRAE Standard 70-06 "Method of Testing For Rating the Performance of Air Outlets and Inlets" ETL-ETS USA.
- 2- Air volume is in CFM at isothermal Conditions with blade set at 80° Open without Plenum with Straight Duct connection.
- 3- Static Pressure is in Inch of Water
- 4- Ak - Area factor in ft²
- 5- NC Level is based in Room Attenuation of 10dB with one diffuser operating.
- 6- Throw data is given for terminal velocities (Maximum velocity in fpm at specified distance from outlet face) of 50, 100 & 150Fpm. Throw values are given for Isothermal conditions.

