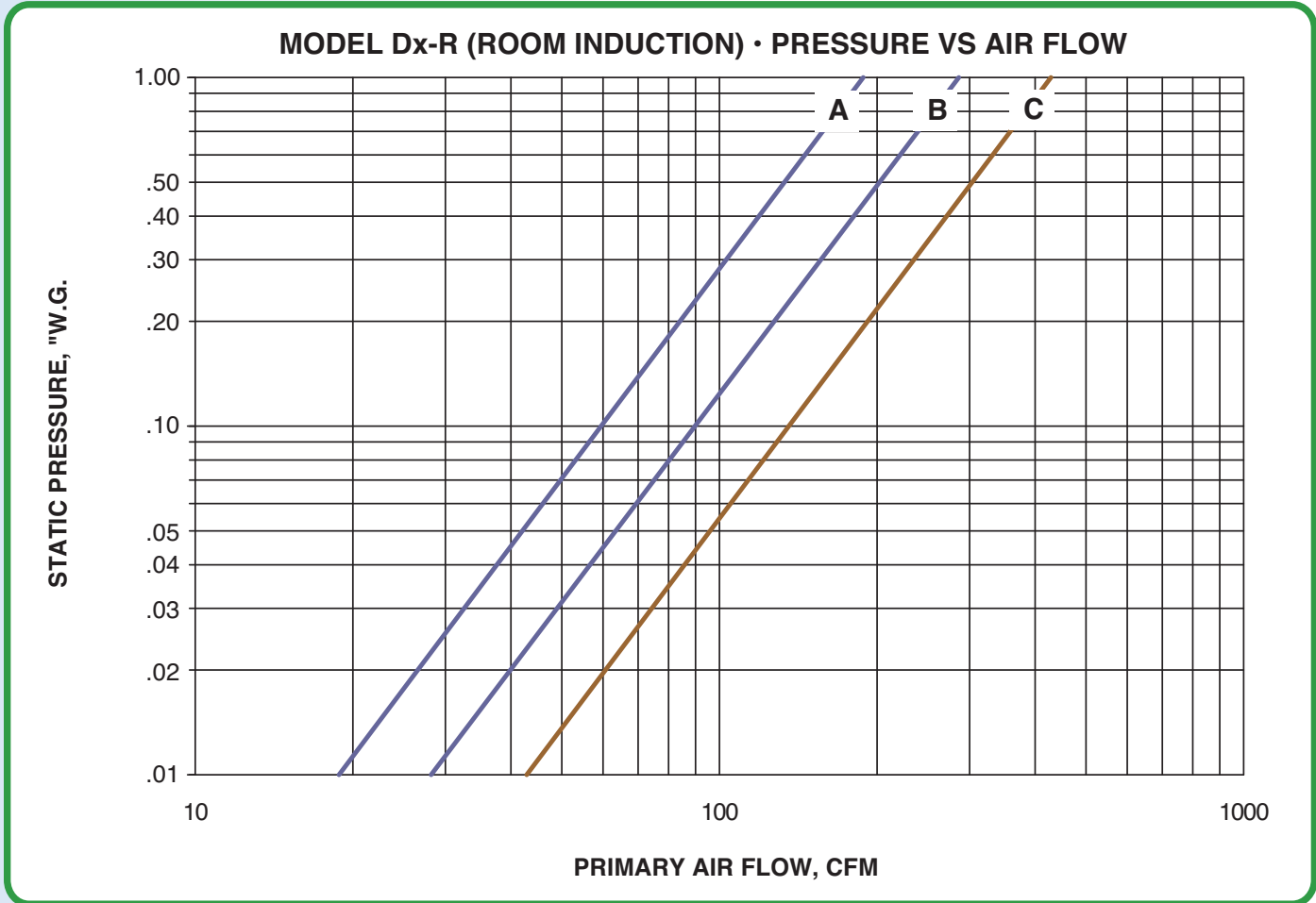
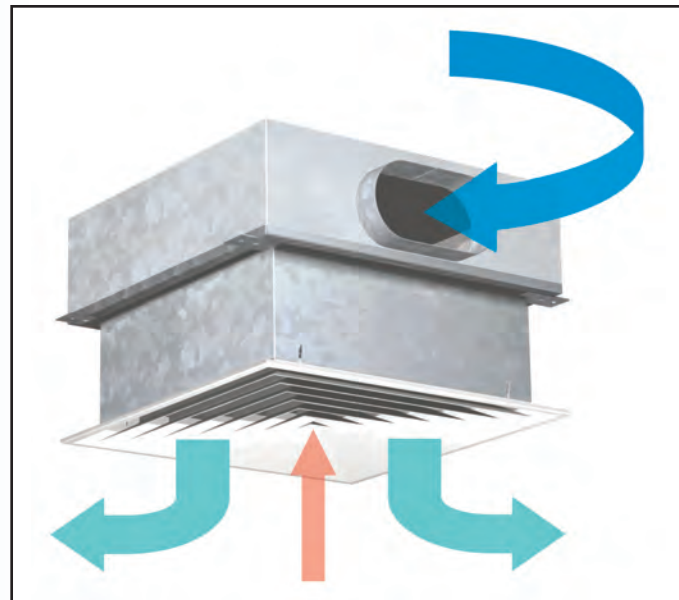


GRAPH 1: STATIC PRESSURE VS PRIMARY AIR FLOW



Notes:

1. Static pressure measured at commissioning port of unit
2. Curves A, B, and C represent increasing air flow capacities available based on the quantity and configuration of induction nozzles used.



Model Dx-R - Room Side Induction

TABLE 1: PRIMARY AIR FLOW & TOTAL AIR

Static Pressure	CAPACITY					
	A		B		C	
	Primary Air	Total Air	Primary Air	Total Air	Primary Air	Total Air
.02	27	59	40	69	61	78
.04	38	83	57	97	86	111
.06	46	101	70	119	105	136
.08	53	117	81	138	121	156
.10	59	131	90	154	136	175
.12	65	143	99	169	149	192
.14	70	155	107	182	161	207
.16	75	166	114	195	172	221
.18	80	176	121	207	182	235
.20	84	185	128	218	192	247
.22	88	194	134	228	201	260
.24	92	203	140	239	210	271
.26	96	211	146	248	219	282
.28	99	219	151	258	227	293
.30	103	227	157	267	235	303
.32	106	234	162	276	243	313
.34	110	241	167	284	250	323
.36	113	248	172	292	257	332
.38	116	255	176	300	264	341
.40	119	262	181	308	271	350
.42	122	268	185	316	278	359

Notes:

1. Static pressure measured at commissioning port of unit, inches w.g.
2. Primary Air and Total Air, CFM.
3. Induction Air = Total Air – Primary Air.
4. Capacity A, B, and C represent increasing air flow capacities available based on the quantity and configuration of induction nozzles used.

**TABLE 2: COOLING
MIXED DISCHARGE TEMPERATURE**

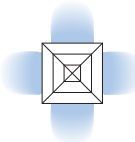
CAPACITY	PRIMARY TEMP	ROOM TEMPERATURE			
		71°F	73°F	75°F	78°F
A	45°F	59.2	60.3	61.4	63.0
	47°F	60.1	61.2	62.3	63.9
	49°F	61.0	62.1	63.2	64.8
	51°F	61.9	63.0	64.1	65.7
	53°F	62.8	63.9	65.0	66.6
	55°F	63.7	64.8	65.9	67.5
B	45°F	55.7	56.5	57.4	58.6
	47°F	56.9	57.5	58.5	59.8
	49°F	58.1	58.9	59.7	60.9
	51°F	59.2	60.1	60.9	62.1
	53°F	60.4	61.2	62.1	63.3
	55°F	61.6	62.4	63.2	64.5
C	45°F	50.8	51.3	51.7	52.4
	47°F	52.4	52.8	53.3	54
	49°F	53.9	54.4	54.8	55.5
	51°F	55.5	55.9	56.4	57.1
	53°F	57.0	57.5	57.9	58.6
	55°F	58.6	59.0	59.5	60.2

**TABLE 3: HEATING
MIXED DISCHARGE TEMPERATURE**

CAPACITY	PRIMARY TEMP	ROOM TEMPERATURE			
		68°F	70°F	72°F	75°F
A	85°F	75.7	76.8	77.9	79.5
	87°F	76.7	77.7	78.8	80.5
	89°F	77.5	78.6	79.7	81.4
	91°F	78.5	79.5	80.6	82.3
	93°F	79.4	80.5	81.5	83.2
	95°F	80.3	81.4	82.5	84.1
B	85°F	78.0	78.8	79.6	80.9
	87°F	79.2	80.0	80.8	82.1
	89°F	80.4	81.2	82.0	83.2
	91°F	81.5	82.4	83.2	84.4
	93°F	82.7	83.5	84.4	85.6
	95°F	83.9	84.7	85.5	86.8
C	85°F	81.2	81.6	82.1	82.8
	87°F	82.7	83.2	83.6	84.3
	89°F	84.3	84.7	85.2	85.9
	91°F	85.8	86.3	86.7	87.4
	93°F	87.4	87.8	88.3	89.0
	95°F	88.9	89.4	89.8	90.5

- Notes:**
 1. Mixed discharge temperatures shown (°F) is based on the primary (supply) air temperatures and induced room air temperatures shown.
 2. The discharge temperature is that of diffuser discharge air (Total air) into the space based on diffuser induction capacities A, B, or C.

TABLE 4: SUPPLY PERFORMANCE DATA (4 Way Pattern)



CAPACITY												
A	Primary CFM	27	41	54	68	82	95	109	123			
	Total CFM	60	90	120	150	180	210	240	270			
	ΔP _s	.02	.05	.08	.13	.19	.26	.34	.43			
	NC	<20	<20	<20	<20	<20	<20	<20	<20	22		
	Throw, feet	1 1 4	1 3 6	3 4 8	3 5 10	4 6 11	5 7 12	6 8 13	6 9 14			
B	Primary CFM	41	62	82	103	126	147	167	188			
	Total CFM	70	105	140	175	215	250	285	320			
	ΔP _s	.02	.05	.08	.13	.19	.26	.34	.43			
	NC	<20	<20	<20	<20	<20	<20	<20	21			
	Throw, feet	1 2 5	2 4 7	3 5 10	4 6 11	5 8 12	6 9 13	7 10 14	7 11 15			
C	Primary CFM	62	81	101	116	140	155	174	194			
	Total CFM	80	105	130	150	180	200	225	250			
	ΔP _s	.02	.04	.06	.07	.11	.13	.17	.20			
	NC	<20	<20	<20	<20	<20	<20	26	35			
	Throw, feet	1 3 6	2 4 7	3 5 9	3 5 10	4 6 11	5 7 12	5 8 13	6 9 13			

- Notes:**
Test Standard
 • ANSI / ASHRAE standard 70
Air Flow
 • PRIMARY CFM is quantity of air entering the diffuser inlet.
 • TOTAL CFM is the quantity of air entering the space (diffuser discharge quantity).
Sound Levels
 • NC is noise criteria curve that will not be exceeded at the operating point for the supply air volume shown. This is determined by assuming a 10dB (ref: 10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands

- Throw**
 • The numbers shown are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to the ceiling surface. For exposed duct installation with free, unattached jet, multiply throw distance shown in tables x .70
 • Terminal velocity is the air speed, in feet per minute, measured in the supply airstream.
Pressure
 • ΔP_s represents Static Pressure, inches of water, measured in the supply duct.