

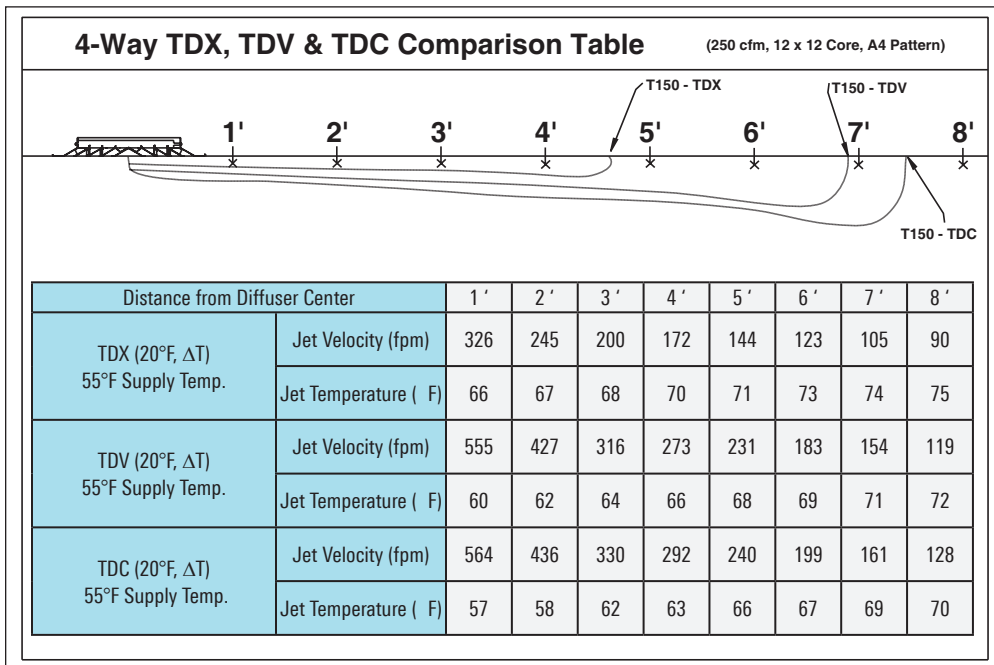
TDX , TDV & TDC Comparison

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Model TDX Square Neck Induction Ratio Delta T = 20°F Neck Velocity = 250 fpm		Model TDV Square Neck Induction Ratio Delta T = 20°F Neck Velocity = 250 fpm		Model TDC Square Neck Induction Ratio Delta T = 20°F Neck Velocity = 250 fpm	
Throw [Feet]	Induction Ratio [non-DIM]	Throw [Feet]	Induction Ratio [non-DIM]	Throw [Feet]	Induction Ratio [non-DIM]
1	1.2	1	0.4	1	0.1
2	1.4	2	0.5	2	0.2
3	1.9	3	0.9	3	0.5
4	2.7	4	1.2	4	0.7
5	3.9	5	1.9	5	1.2
6	5.5	6	2.4	6	1.4
7	8.0	7	3.6	7	2.1
8	11.8	8	5.4	8	3.2
9	17.7	9	8.6	9	5.6
10	26.4	10	21.6	10	20.0
11	39.0	11	30.7	11	27.9
12	56.6	12	38.2	12	32.0
13	80.5	13	54.0	13	45.2
14	112.0	14	65.8	14	50.3
15	153.0	15	80.8	15	56.8

Troom = 75°F
Tsupply = 55°F

Induction Ratio = [(Troom - Tsupply)/(Troom - Tthrow)] - 1
(250 cfm, 12 x 12, A4 Pattern)



Notes:

'x' Data taken 1" below ceiling.
Temperature: Room 75°F, Supply 55°F.

At 55°F supply air, jet temperature from the TDX increases more rapidly than from the TDC and TDV, illustrating the effect of induction performance with this diffuser.

Elevation views shown above demonstrate the ability of the TDX to provide greater temperature equalization in the occupied space. This provides for an extremely high ADPI lever which translates into an exceptional comfort for occupants.