

Throw Pattern Dimensions

(see figure 1.2 for measurement layout)

	8" @ 300 cfm			10" @ 440 cfm			12" @ 600 cfm		
	inside radius	outside radius	spread	inside radius	outside radius	spread	inside radius	outside radius	spread
height									
8	6'-4"	12'-1"	5'-9"						
9	7'-0"	14'-5"	7'-5"						
10	7'-9"	15'-8"	7'-11"	7'-11"	16'-2"	8'-3"			
11	8'-6"	16'-11"	8'-5"	8'-7"	17'-3"	8'-8"			
12	9'-4"	18'-5"	9'-1"	9'-5"	18'-7"	9'-2"			
13				10'-1"	20'-1"	10'-0"			
14				11'-1"	21'-3"	10'-2"	11'-2"	22'-3"	11'-1"
15				11'-8"	22'-7"	10'-11"	11'-9"	23'-1"	11'-4"
16				12'-6"	24'-0"	11'-6"	12'-7"	24'-6"	11'-11"
17							13'-2"	25'-9"	12'-7"
18							13'-11"	27'-0"	13'-1"
19							14'-9"	28'-6"	13'-9"
20							15'-7"	29'-9"	14'-2"

- * Span equals two times outer radius
- * Field acquired numbers may vary based on installation.
- * Highlighted measurements show optimal range of height for each size of diffuser.

Dynamic Air Diffuser - CFM guide based on RPM.

C.F.M.	Neck Size										
	6	8	10	12	14	16	18	20	22	24	
40	15.3										
60	19.5										
80	23.0										
100	28.8	18.0									
120	34.6	21.6									
140	40.3	25.2									
160	46.1	28.8									
180	51.8	32.4									
200	57.6	36.0	21.0								
220		39.6	23.1								
240		43.2	25.2								
260		46.8	27.3								
280		50.4	29.6								
300		54.0	31.5	18.9							
320		57.6	33.6	20.2							
340		61.2	34.6	21.4							
360		64.8	36.7	22.7							
380		68.4	38.0	23.9							
400		72.3	40.8	25.2							
420		75.6	42.8	26.5							
440			44.8	27.7							
460			47.4	28.9							
480			49.4	30.2							
500			52.0	31.5							
520			54.6	32.7							
540			56.7	34.0							
560			58.8	35.3							
580			60.9	36.5							
600			63.0	37.8							
620			65.1	39.1							
640			67.2	40.3							
660			69.3	41.6							
680			71.4	42.8							
700			73.5	44.1							
720				45.4							
740				46.6							
760				47.9							
780				49.1							
800				50.4							
820				51.7							
840				52.9							
860				54.2							
880				55.4							
900				56.7							
920				57.9							
940				59.2							
960				60.5							
980				61.7							
1000				63.0							
1020				64.2							
1040				65.5							
1060				66.8							
1080				68.4							
1100				69.3							
1120				70.6							

* Measurements provided are a quick reference for air balancing purposes. Qualified testing and balancing contractors may use these calculations to get within +/- 10 cfm of engineers design. Take rpm reading of diffuser and cross reference to find cfm. RPM readings are based on clean, new and smooth running Dynamic Air Diffuser. ** Field acquired numbers may vary based on installation.
 * Highlighted numbers show optimal range for rpm for each size of diffuser.