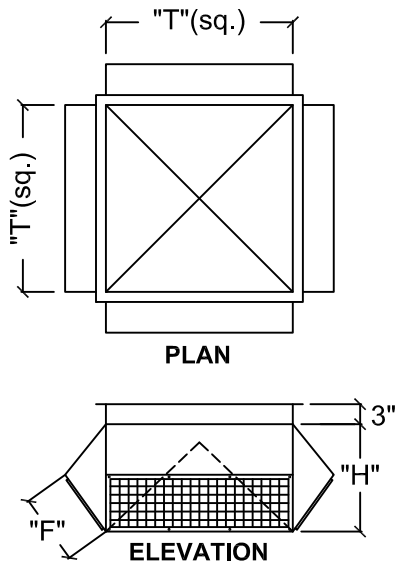


SUBMITTAL DATA

Drop Diffuser/Plenums



STANDARD FEATURES:

- ☐ *Double Deflection Grilles
- ☐ Four-sided Pyramid for maximum performance
- ☐ 1" Ultra Lite Duct Liner
- ☐ TDC Duct Connection
- ☐ Galvanized Steel Construction
- 24 gauge AFPD 1408-5 thru 2810-15
- 20 gauge AFPD 3016-20 thru 3820-40
- 18 gauge AFPD 4222-50 thru 7224-120

OPTIONS:

- ☐ Custom Built up to 200,000 cfm
- ☐ Powder Coated
- ☐ 3/8" Nut Insert at each corner for mounting
- ☐ "Premium Performance"- 360° rotating drop diffuser (1.5 RPM- Electric motor driven) (Note: duct connection changes to round-equivalent square)
- ☐ Omit pyramid center air diverter
- ☐ Omit insulation
- ☐ Damper behind grilles

QTY	MODEL #	"T" (sq.)	"H"	"F"	GRILLE SIZE	NOMINAL CFM	TONS	*THROW	N.C.	VELOCITY PRESSURE in w.g.	TOTAL PRESSURE in w.g. @ zero deflection
	AFPD-1408-5	16"	14"	10"	14" x 8"	2,000	5	20-28-39	23	.031	.072
	AFPD-1608-6	18"	14"	10"	16" x 8"	2,400	6	22-31-43	23	.032	.073
	AFPD-2008-7.5	22"	14"	10"	20" x 8"	3,000	7.5	23-31-43	26	.037	.088
	AFPD-2010-8.5	22"	17"	12"	20" x 10"	3,400	8.5	26-37-51	25	.031	.073
	AFPD-2210-10	24"	17"	12"	22" x 10"	4,000	10	28-39-54	27	.039	.090
	AFPD-2410-12.5	26"	17"	12"	24" x 10"	5,000	12.5	33-44-62	28	.040	.094
	AFPD-2810-15	30"	17"	12"	28" x 10"	6,000	15	37-49-68	31	.042	.096
	AFPD-3016-20	32"	26"	18"	30" x 16"	8,000	20	40-54-78	25	.029	.059
	AFPD-3616-25	38"	26"	18"	36" x 16"	10,000	25	41-62-87	28	.029	.070
	AFPD-3618-30	38"	28"	20"	36" x 18"	12,000	30	54-78-110	33	.035	.079
	AFPD-3820-40	40"	32"	22"	38" x 20"	16,000	40	55-82-114	33	.035	.079
	AFPD-4222-50	44"	34"	24"	42" x 22"	20,000	50	67-93-128	35	.041	.085
	AFPD-4624-62.5	48"	36"	26"	46" x 24"	25,000	62.5	80-98-130	40	.059	.103
	AFPD-7216-80	74"	26"	18"	72" x 16"	32,000	80	93-110-150	46	.082	.126
	AFPD-7220-100	74"	31"	22"	72" x 20"	40,000	100	108-125-164	49	.090	.131
	AFPD-7224-120	74"	36"	26"	72" x 24"	48,000	120	123-140-178	52	.103	.138

CORRECTION FACTOR

Deflection	22.5°	45°
NC	+5	+10
Throw	x .81	x .77
Total Pressure	x 1.3	x 1.81

*Throws based on 150-100-50 FPM terminal velocities without the aid of a ceiling. (Isothermal air)

cold supply (20°F ΔT) reduces horizontal throw 30% while increasing vertical throw by 30%

warm air (20°F ΔT) increases horizontal throw 30% while reducing vertical throw by 30%

Job Name:	☐ MODEL AFPD <i>Angle Face Plenum Diffuser</i>		
Location:	DRAWN BY: CLJ	DATE: 9-1-99	REV. DATE: 5-29-12
Architect:	REV. NO. 12	APPROVED BY: CLJ	DWG. NO.: H-5
Engineer:			
Contractor:			