

WF2000 ST PERFORMANCE DATA

48" DIFFUSER LENGTH

ONE SLOT

STANDARD THROW

1" SLOT WIDTH 8" INLET	CFM	75	100	125	200	275	350
	Ps	0.019	0.032	0.055	0.126	0.232	0.374
	THROW	13	17	20	26	30	33
	NC	(20)	(20)	(20)	30	38	44

1-1/2" SLOT WIDTH 8" INLET	CFM	75	125	225	300	350	400
	Ps	.010	.030	.095	.170	.226	.300
	THROW	13	18	27	29	31	33
	NC	(20)	(20)	24	33	37	40

2" SLOT WIDTH 8" INLET	CFM	125	200	275	350	425	500
	Ps	.017	.064	.125	.200	.292	.410
	THROW	16	23	27	30	33	36
	NC	(20)	(20)	21	30	37	42

2-1/2" SLOT WIDTH 10" INLET	CFM	200	300	400	500	600	700
	Ps	.035	.062	.110	.172	.250	.340
	THROW	20	27	32	37	42	46
	NC	(20)	(20)	25	34	39	44

3" SLOT WIDTH 12" INLET	CFM	300	400	500	600	675	750
	Ps	.046	.081	.120	.171	.218	.262
	THROW	19	22	25	27	29	31
	NC	(20)	25	31	36	39	42

Ps – Static Pressure in inches of water.

Throw – Horizontal distances in feet to a terminal velocity of 50 FPM.

NC – Noise Criteria based on 10 db room absorption.

Performance data is based on tests performed at DONCO AIR PRODUCTS and Intertek Testing Services (formerly ETL) in accordance with ASHRAE 70-1991. Copy of Report J20000380-001 is available upon request.

LENGTH FACTORS

All data above is based on 48" length diffuser. For other lengths, divide the charted CFM by 4 to get a CFM per foot value. Then use the factors and adjustments below.

DIFFUSER LENGTH	2'	4'	6'	8'	10'
THROW MULTIPLIER	0.9	1	1.1	1.2	1.3
NC ADJUSTMENT	-2	0	+2	+3	+4