

INLET DIA.	TROFFER DIFFUSER PERFORMANCE DATA 24" LONG SINGLE SIDED UNIT - INTERNALLY INSULATED								
	CFM	30	40	50	60	70	80	90	100
4"	S.P., IWG (1)	0.08	0.12	0.17	0.23	0.31	0.40		
	NC (2)	<20	23	26	30	35	40		
	THROW (3)	2-5	3-6	4-7	5-9	6-11	7-12		
5"	S.P., IWG (1)	0.05	0.08	0.12	0.17	0.22	0.29	0.38	0.47
	NC (2)	<20	<20	23	29	34	37	42	45
	THROW (3)	2-5	3-6	4-7	5-9	6-11	7-12	10-14	11-16
6"	S.P., IWG (1)	0.04	0.07	0.10	0.14	0.19	0.26	0.34	0.45
	NC (2)	<20	<20	22	28	32	35	39	44
	THROW (3)	2-5	3-6	4-7	5-9	6-11	7-12	10-14	11-16

INLET DIA.	TROFFER DIFFUSER PERFORMANCE DATA 24" LONG DUAL SIDED UNIT - INTERNALLY INSULATED								
	CFM	50	60	70	80	90	100	120	
4"	S.P., IWG (1)	0.07	0.09	0.11	0.15	0.20	0.30	0.42	
	NC (2)	<20	21	23	26	31	39	45	
	THROW (3)	3-5	4-6	5-7	6-9	6-10	7-11	8-12	
5"	S.P., IWG (1)	0.04	0.06	0.08	0.10	0.13	0.17	0.23	
	NC (2)	<20	<20	23	29	34	37	42	
	THROW (3)	3-5	4-6	5-7	6-9	6-10	7-11	8-12	
6"	S.P., IWG (1)	0.03	0.05	0.07	0.10	0.12	0.16	0.22	
	NC (2)	<20	<20	22	28	32	35	39	
	THROW (3)	3-5	4-6	5-7	6-9	6-10	7-11	8-12	

INLET DIA.	TROFFER DIFFUSER PERFORMANCE DATA 36" LONG SINGLE SIDED UNIT - INTERNALLY INSULATED								
	CFM	40	50	60	70	80	90	100	
4"	S.P., IWG (1)	0.09	0.11	0.14	0.19	0.24	0.30	0.37	
	NC (2)	<20	25	27	30	34	40	47	
	THROW (3)	2-9	3-10	4-13	5-14	6-16	6-17	7-18	
5"	S.P., IWG (1)	0.05	0.07	0.10	0.13	0.17	0.24	0.31	
	NC (2)	<20	<20	21	23	26	31	36	
	THROW (3)	2-9	3-10	4-13	5-14	6-16	6-17	7-18	
6"	S.P., IWG (1)	0.04	0.06	0.09	0.12	0.16	0.21	0.27	
	NC (2)	<20	<20	20	21	24	28	34	
	THROW (3)	2-9	3-10	4-13	5-14	6-16	6-17	7-18	

INLET DIA.	TROFFER DIFFUSER PERFORMANCE DATA 36" LONG DUAL SIDED UNIT - INTERNALLY INSULATED								
	CFM	70	80	90	100	120	140	160	
4"	S.P., IWG (1)	0.08	0.11	0.14	0.16	0.24	0.35	0.48	
	NC (2)	20	24	26	28	34	40	45	
	THROW (3)	1-5	2-5	3-5	3-6	4-8	6-10	7-13	
5"	S.P., IWG (1)	0.04	0.06	0.08	0.10	0.13	0.17	0.23	
	NC (2)	<20	<20	20	24	32	39	42	
	THROW (3)	1-5	2-5	3-5	3-6	4-8	6-10	7-13	
6"	S.P., IWG (1)	0.03	0.05	0.07	0.10	0.12	0.16	0.22	
	NC (2)	<20	<20	<20	21	25	29	35	
	THROW (3)	1-5	2-5	3-5	3-6	4-8	6-10	7-13	

NOTE: SEE PAGE 2 FOR REFERENCES LISTED ABOVE



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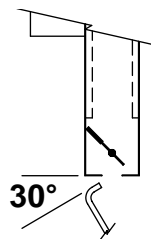
INLET DIA.	TROFFER DIFFUSER PERFORMANCE DATA 48" LONG SINGLE SIDED UNIT - INTERNALLY INSULATED									
	CFM	50	60	70	80	90	100	120	140	
4"	S.P., IWG (1)	0.08	0.11	0.14	0.18	0.22	0.27			
	NC (2)	20	25	25	30	35	40			
	THROW (3)	3-5	4-6	5-7	5-8	6-9	6-10			
5"	S.P., IWG (1)	0.04	0.06	0.08	0.11	0.15	0.17	0.25		
	NC (2)	20	20	25	30	30	35	40		
	THROW (3)	3-5	4-6	5-7	5-8	6-9	6-10	7-11		
6"	S.P., IWG (1)	0.03	0.05	0.07	0.09	0.11	0.15	0.21	0.30	
	NC (2)	<20	<20	<20	<20	22	25	30	34	
	THROW (3)	3-5	4-6	5-7	5-8	6-9	6-10	7-11	9-13	

INLET DIA.	TROFFER DIFFUSER PERFORMANCE DATA 48" LONG DUAL SIDED UNIT - INTERNALLY INSULATED									
	CFM	70	80	90	100	120	140	160	180	200
4"	S.P., IWG (1)	0.07	0.10	0.12	0.15	0.23	0.30			
	NC (2)	20	21	23	27	32	40			
	THROW (3)	1-6	1-7	2-7	2-9	3-10	3-11			
5"	S.P., IWG (1)	0.05	0.07	0.09	0.12	0.16	0.21	0.28	0.37	
	NC (2)	<20	20	21	23	26	30	35	40	
	THROW (3)	1-6	1-7	2-7	2-9	3-10	3-11	4-12	5-13	
6"	S.P., IWG (1)	0.02	0.04	0.05	0.06	0.09	0.12	0.17	0.22	0.27
	NC (2)	<20	<20	<20	<20	21	23	27	31	35
	THROW (3)	1-6	1-7	2-7	2-9	3-10	3-11	4-12	5-13	6-14

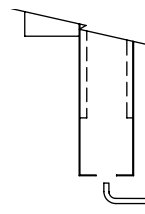
NOTES:

- (1) Pressure drop is for horizontal discharge; multiply by .8 for vertical discharge.
- (2) NC ratings based on power level (LW) re 10-12 power watts minus an 8db room allowance in all bands.
- (3) Throws listed are at terminal velocity (VT) of 150 and 50 F.P.M. respectively.
Throws are for horizontal discharge; multiply by .7 for vertical discharge.
- (4) $CFM = Ak \times V$ where V = average slot outlet velocity using ALNOR JET tip 2220, 2220A, 6070, or equal.

TROFFER DIFFUSER Ak FACTORS				
MODEL	SIZE	HORIZONTAL	VERTICAL	RETURN
SINGLE SIDED	2 FT.	0.04	0.05	0.06
SINGLE SIDED	3 FT.	0.06	0.08	0.09
SINGLE SIDED	4 FT.	0.10	0.10	0.12
DUAL SIDED	1' X 4'	0.18	0.20	0.24
DUAL SIDED	2' X 2'	0.08	0.10	0.12
DUAL SIDED	2' X 4'	0.20	0.20	0.24
DUAL SIDED	3' X 3'	0.13	0.15	0.18



SUPPLY



RETURN



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