

SERIES XG-PHP PERFORMANCE DATA
MODEL XG-PHPS-IT

1 Slot	3/4" Width	2' Length 6" Inlet	Horizontal	CFM	30	50	70	90	110	130
				Pt	.017	.063	.131	.216	.323	.448
				Throw	16	22	26	30	34	37
				NC	<20	21	29	35	39	43
	1" Width	2' Length 8" Inlet	Horizontal	CFM	50	70	90	110	130	150
				Pt	.032	.075	.125	.176	.262	.361
				Throw	17	23	28	31	34	37
				NC	<20	24	29	34	38	41
	3/4" Width	4' Length 6" Inlet	Horizontal	CFM	50	80	110	140	170	200
				Pt	.018	.051	.095	.157	.238	.332
				Throw	10	13	15	17	19	20
				NC	<20	21	28	34	38	42
1" Width	4' Length 8" Inlet	Horizontal	CFM	50	80	110	140	170	200	
			Pt	.011	.023	.043	.073	.112	.158	
			Throw	9	13	15	17	19	21	
			NC	<20	<20	24	30	35	39	
2 Slot	3/4" Width	2' Length 6" Inlet	Horizontal	CFM	50	80	110	140	170	200
				Pt	.015	.041	.083	.142	.218	.312
				Throw	16	27	33	39	43	47
				NC	<20	20	26	33	38	41
	1" Width	2' Length 8" Inlet	Horizontal	CFM	50	80	110	140	170	200
				Pt	.008	.019	.042	.072	.112	.160
				Throw	12	21	30	37	41	45
				NC	<20	<20	23	28	34	38
	3/4" Width	4' Length 8" Inlet	Horizontal	CFM	100	140	180	220	260	300
				Pt	.020	.042	.073	.113	.160	.217
				Throw	13	16	18	20	22	25
				NC	<20	<20	24	29	33	37
1" Width	4' Length 10" Inlet	Horizontal	CFM	100	200	250	300	350	400	
			Pt	.011	.053	.077	.118	.160	.202	
			Throw	13	19	22	25	27	29	
			NC	<20	<20	21	25	32	37	
3 Slot	3/4" Width	2' Length 8" Inlet	Horizontal	CFM	75	110	145	180	215	250
				Pt	.012	.037	.066	.103	.152	.202
				Throw	16	26	35	41	46	50
				NC	<20	<20	23	28	33	38
	1" Width	2' Length 10" Inlet	Horizontal	CFM	75	120	165	210	255	300
				Pt	.007	.020	.043	.072	.110	.157
				Throw	13	22	32	41	47	52
				NC	<20	<20	24	29	34	39
	3/4" Width	4' Length 10" Inlet	Horizontal	CFM	150	210	270	330	390	450
				Pt	.026	.048	.082	.124	.174	.241
				Throw	17	20	23	25	27	29
				NC	<20	<20	25	29	33	38
1" Width	4' Length 10" Inlet	Horizontal	CFM	150	210	270	330	390	450	
			Pt	.010	.032	.057	.092	.132	.176	
			Throw	15	20	22	25	28	30	
			NC	<20	<20	25	30	34	38	
4 Slot	3/4" Width	2' Length 10" Inlet	Horizontal	CFM	100	150	200	250	300	350
				Pt	.012	.038	.068	.112	.164	.227
				Throw	14	17	20	22	25	27
				NC	<20	<20	26	31	35	39
	1" Width	2' Length 10" Inlet	Horizontal	CFM	100	150	200	250	300	350
				Pt	.010	.018	.037	.058	.098	.132
				Throw	17	21	25	30	34	37
				NC	<20	<20	25	30	34	38
	3/4" Width	4' Length 10" Inlet	Horizontal	CFM	150	230	310	390	470	550
				Pt	.015	.048	.084	.128	.187	.273
				Throw	17	20	23	26	29	32
				NC	<20	<20	22	27	32	35
1" Width	4' Length 12" Inlet	Horizontal	CFM	200	290	380	470	560	650	
			Pt	.016	.032	.054	.080	.120	.164	
			Throw	20	24	28	32	35	37	
			NC	<20	<20	24	30	34	38	

**PLENUM SLOT
DIFFUSERS**
**PLENUM DIFFUSERS WITH
ADJUSTABLE PATTERN
CONTROLLERS**
XG-PHPS-IT

PERFORMANCE NOTES FOR SERIES XG-PHP MODEL XG-PHPS-IT

Performance data is based on tests performed at Donco Air Products and Intertek Testing Services (formerly ETL) in accordance with ASHRAE 70-2006.

DEFINITION OF UNITS

Pt Total pressure (inches of water column)

Throw Distances in feet to terminal velocity of 50 fpm

Throw 1 and Throw 2 indicates number of slots throwing each direction on 3 slot, 2 way diffuser

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10^{-12} watts minus a 10dB room attenuation in all octave bands