

**SERIES XG-PHCS PERFORMANCE DATA**  
**MODEL XG-PHP-J**

2' Length	1 Slot 1-Way	CFM	20	40	60	80	100
		Ps	.010	.030	.060	.100	.150
		Throw	11	17	22	25	27
		NC	<20	<20	<20	22	27
	2 Slot 1-Way	CFM	40	80	120	160	200
		Ps	.010	.030	.070	.120	.180
		Throw	14	21	27	31	34
		NC	<20	<20	<20	26	31
	2 Slot 2-Way	CFM	40	80	120	160	200
		Ps	.010	.030	.060	.090	.140
		Throw	11	17	22	25	27
		NC	<20	<20	<20	22	27
	3 Slot 1-Way	CFM	60	120	180	240	300
		Ps	.010	.030	.060	.120	.190
		Throw	17	27	35	40	43
		NC	<20	<20	<20	26	31
3 Slot 2-Way	CFM	60	120	180	240	300	
	Ps	.010	.030	.060	.100	.150	
	Throw 1	11	17	22	25	27	
	Throw 2	14	21	27	31	34	
	NC	<20	<20	<20	26	32	
	CFM	80	160	240	320	400	
4 Slot 2-Way	Ps	.010	.030	.060	.100	.150	
	Throw	14	21	27	31	34	
	NC	<20	<20	21	29	36	

4' Length	1 Slot 1-Way	CFM	40	80	120	160	200
		Ps	.010	.030	.080	.140	.200
		Throw	11	17	22	25	27
		NC	<20	<20	<20	26	32
	2 Slot 1-Way	CFM	80	160	240	320	400
		Ps	.010	.040	.080	.140	.220
		Throw	14	21	27	31	34
		NC	<20	<20	21	30	37
	2 Slot 2-Way	CFM	80	160	240	320	400
		Ps	.010	.030	.060	.090	.150
		Throw	11	17	22	25	27
		NC	<20	<20	<20	26	32

4' Length	3 Slot 1-Way	CFM	120	240	360	480	600
		Ps	.010	.030	.060	.120	.190
		Throw	17	27	35	40	43
		NC	<20	<20	21	30	37
	3 Slot 2-Way	CFM	120	240	360	480	600
		Ps	.010	.030	.060	.100	.160
		Throw 1	11	17	22	25	27
		Throw 2	14	21	27	31	34
	4 Slot 2-Way	CFM	160	320	480	640	800
		Ps	.010	.030	.060	.110	.170
		Throw	14	21	27	31	34
		NC	<20	<20	26	34	42

5' Length	1 Slot 1-Way	CFM	50	100	150	200	250
		Ps	.010	.040	.090	.150	.240
		Throw	11	17	22	25	27
		NC	<20	<20	21	30	37
	2 Slot 1-Way	CFM	100	200	300	400	500
		Ps	.010	.040	.060	.140	.220
		Throw	14	21	27	31	34
		NC	<20	<20	24	35	43
	2 Slot 2-Way	CFM	100	200	300	400	500
		Ps	.010	.030	.060	.110	.170
		Throw	11	17	22	25	27
		NC	<20	<20	21	30	37
	3 Slot 1-Way	CFM	150	300	450	600	750
		Ps	.010	.030	.070	.130	.210
		Throw	17	27	35	40	43
		NC	<20	<20	24	35	43
3 Slot 2-Way	CFM	150	300	450	600	750	
	Ps	.010	.030	.060	.110	.180	
	Throw 1	11	17	22	25	27	
	Throw 2	14	21	27	31	34	
4 Slot 2-Way	CFM	200	400	600	800	1000	
	Ps	.010	.030	.070	.130	.200	
	Throw	14	21	27	31	34	
	NC	<20	<20	32	40	48	

**PLENUM SLOT  
DIFFUSERS**
**PLENUM DIFFUSERS WITH  
HIGH CAPACITY FIXED  
PATTERN CONTROLLERS**
**XG-PHPS-J**

## PERFORMANCE NOTES FOR SERIES XG-PHP MODEL XG-PHPS-J

Performance data is based on tests performed at Donco Air Products and ETL Testing laboratories in accordance with ADC 1062 GRD - 84 Test Code.

### DEFINITION OF UNITS

*Ps* Static pressure =  $P_t - P_v$  (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 ( $L_w$ ) re:  $10^{-12}$  watts minus a 10dB room attenuation in all octave bands