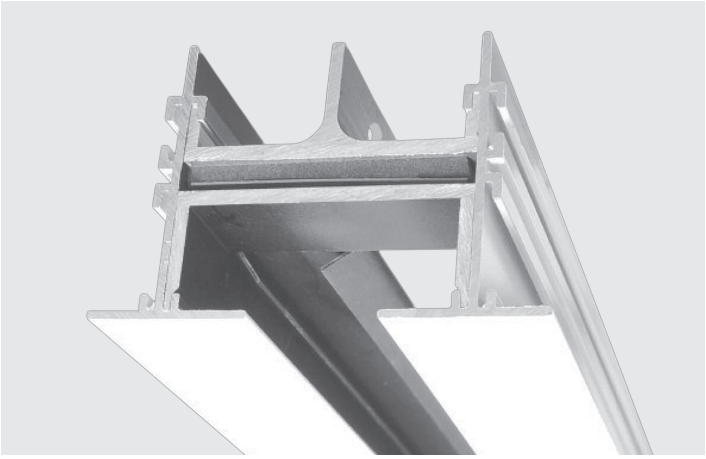
PRICE
ENGINEERED SOLUTIONS Ltd



PHC-H/V

- Linear Slot Diffuser
- High Capacity
- Horizontal or Vertical

DESCRIPTION

High capacity single slot linear diffuser available in five slot widths designed for Drywall and T-Bar mounting. This series can be custom curved (concave and convex) to integrate harmoniously into interior commercial building designs.

CONSTRUCTION

Extruded aluminium with galvanised steel pattern controllers

Finish:

AW polyester powder finish RAL 9010 semi-gloss with black pattern controllers

Options:

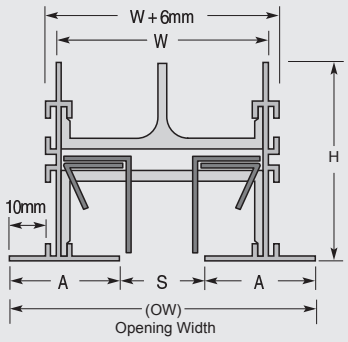
- *Insulation*
- *Mitred corners*
- *End border configurations*
- *Border styles*
- *Transitions*

MODELS

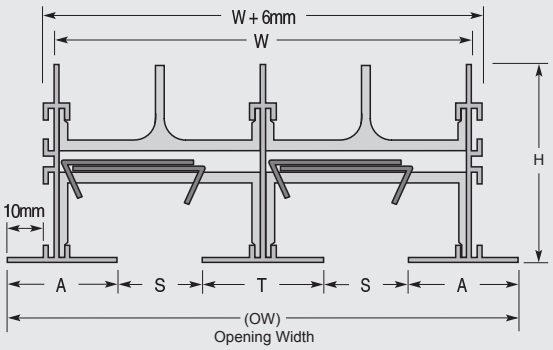
PHC-H25: 25 mm horizontal slot
PHC-H38: 38 mm horizontal slot
PHC-H51: 51 mm horizontal slot
PHC-H64: 64 mm horizontal slot
PHC-H76: 76 mm horizontal slot

PHC-V25: 25 mm vertical slot
PHC-V38: 38 mm vertical slot
PHC-V51: 51 mm vertical slot
PHC-V64: 64 mm vertical slot
PHC-V76: 76 mm vertical slot

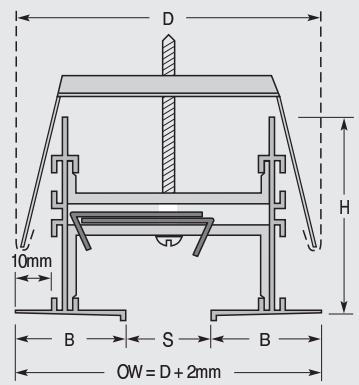
STANDARD Frame (1 Slot Vertical)



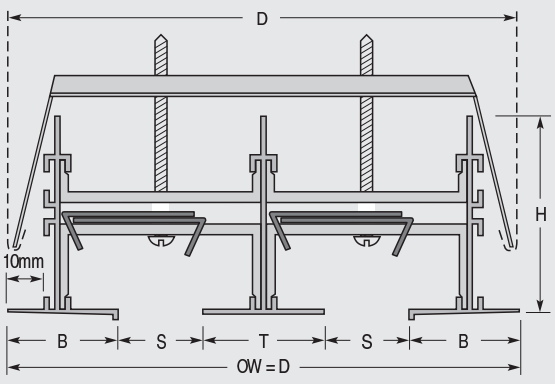
STANDARD Frame (2 Slot Vertical)



TAPERED Fixing (1 Slot Horizontal)



TAPERED Fixing (2 Slot Horizontal)



STANDARD – DIMENSIONS (mm)

S Slot	1 Slot		2 Slot		A/B	H	T
	W	OW	W	OW			2 Slot
25	64	90	125	152	33	60	37
38	89	116	176	203	39	67	49
51	114	141	227	254	45	73	62
64	140	167	278	305	52	79	75
76	165	192	329	356	58	86	87

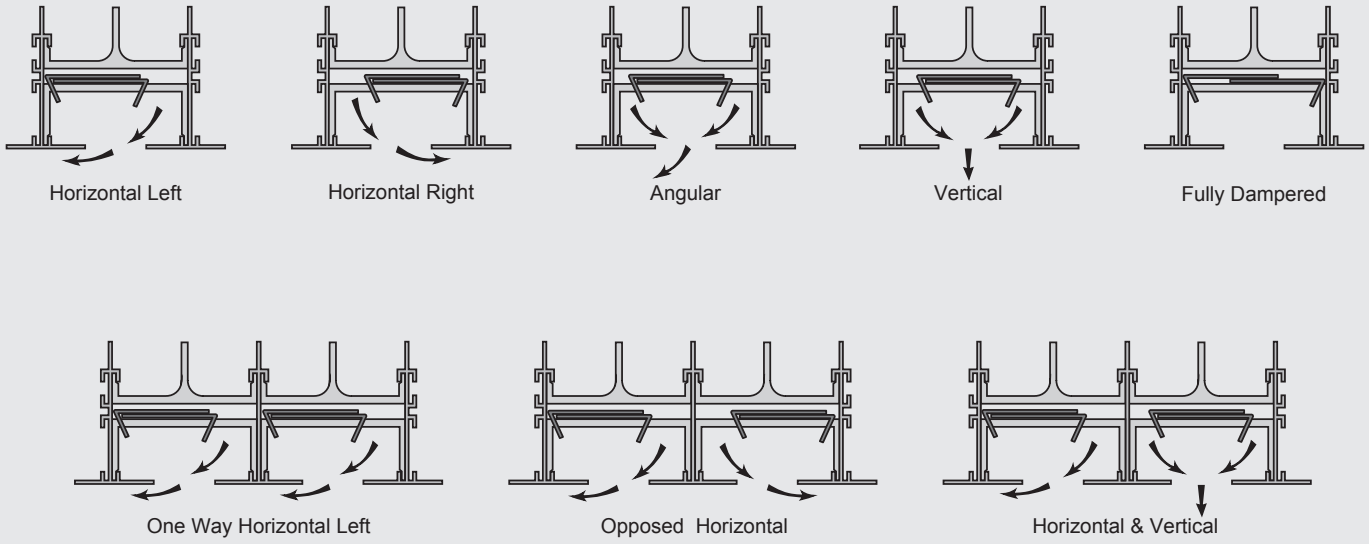
TAPERED – DIMENSIONS (mm)

S Slot	D Width		A/B	H	T	OW	
	1 Slot	2 Slot			2 Slot	1 Slot	2 Slot
25	89	152	33	60	37	76	140
38	114	203	39	67	49	102	191
51	140	254	45	73	62	127	241
64	165	305	52	79	75	152	292
76	191	356	58	86	87	178	343

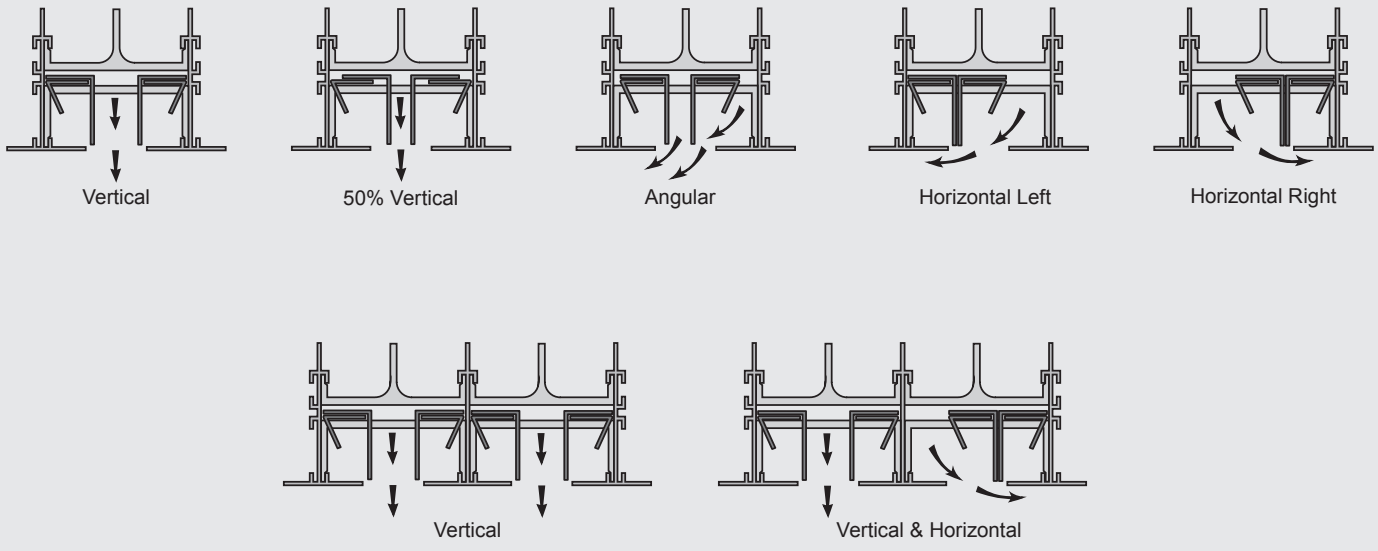
A/B = Border Width. OW = Opening Width

PHC – PATTERN CONTROLLER

PHC-H (Horizontal) Adjustments



PHC-V (VERTICAL) Adjustments



NOTES

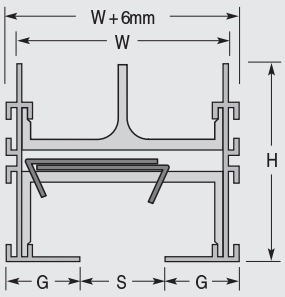
All dimensions are given in mm. Standard Concealed Frame also available with the same dimensional data.

ACCESSORIES

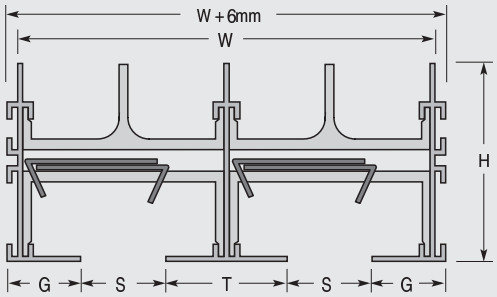
Blank-Offs (25, 38, 51, 64, 76)

PHC – OPTIONS

FLANGELESS Frame (1 Slot)



FLANGELESS Frame (2Slot)



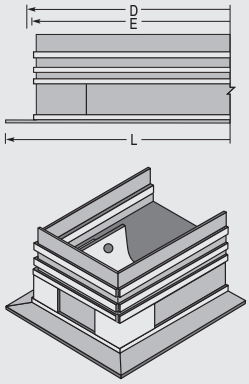
FLANGELESS – DIMENSIONS (mm)

S Slot	Slot		A	G	H	T
	1	2	Width	Width	2 Slot	2 Slot
25	64	125	33	22	60	37
38	89	176	39	29	67	49
51	114	227	45	35	73	62
64	140	278	52	41	79	75
76	165	329	58	48	86	87

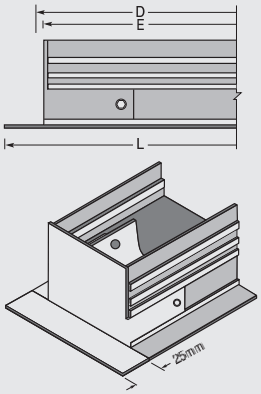
A single 10 mm flange on either side is available

End Border Configurations

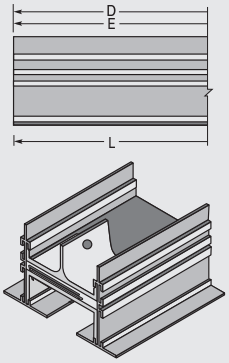
Mitred End (M)



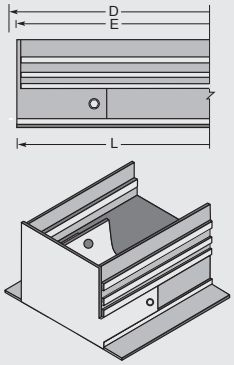
Flanged Cap End (F)



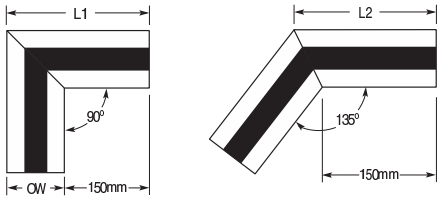
Open End (O)



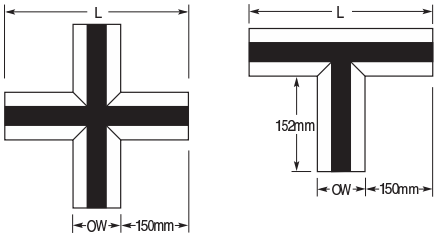
Flat End Cap (C)



Mitred Corners (90° & 135°)



Transitions (X & T)



OVERALL LENGTH – DIMENSIONS (mm)

D = Duct Length E = End Cap Position L = Overall Length

Type	M M		M O		M C		O O		O C		C C		F F		F O		F C	
	E	L	E	L	E	L	E	L	E	L	E	L	E	L	E	L	E	L
Standard/ Concealed	D-6	D+14	D-3	D+7	D-2	D+9	D	D	D-2	D-2	D-3	D-3	D-6	D+41	D-3	D+21	D-2	D+22
Concealed Tapered	D-6	D+14	D-3	D+7	D-2	D+9	D	D	D-2	D-2	D-3	D-3	N/A	N/A	N/A	N/A	N/A	N/A
Flangeless	N/A	N/A	N/A	N/A	N/A	N/A	D	D	D-2	D-2	D-3	D-3	D-6	D+41	D-3	D+21	D-2	D+22

PHC-H – 1 Slot Horizontal

25 mm SLOT WIDTH

Horizontal 1 slot 150 diameter inlet

600 mm

Airflow	12		24		35		47		59		71		83	
*Total	2		8		19		33		51		74		99	
*Static	2		7		16		29		45		64		87	
NC Level	<15		<15		<15		20		29		36		40	
Throw	0.6	1.5	1.8	2.7	2.1	3.7	2.7	4.0	3.0	4.3	3.4	4.9	3.7	5.5

1200 mm

Airflow	19		38		57		76		94		113		132	
*Total	2		8		16		29		45		65		87	
*Static	1		5		10		19		29		42		56	
NC Level	<15		<15		<15		17		25		32		38	
Throw	0.6	1.5	1.8	3.7	2.7	4.6	3.0	5.2	3.7	5.5	4.6	6.1	4.9	6.7

1500 mm

Airflow	24		47		71		94		118		142		165	
*Total	2		9		20		35		54		78		105	
*Static	1		5		10		19		29		42		56	
NC Level	<15		<15		<15		18		26		33		38	
Throw	0.6	2.1	2.1	4.0	3.0	5.2	4.0	5.8	4.6	6.1	4.9	6.7	5.2	7.3

25 mm SLOT WIDTH

Horizontal 1 slot 200 diameter inlet

600 mm

Airflow	24		35		47		59		71		83		94	
*Total	7		17		30		47		67		89		117	
*Static	7		16		28		45		64		85		112	
NC Level	<15		<15		20		28		35		41		44	
Throw	1.5	2.7	2.7	3.4	3.0	4.3	3.4	4.6	3.7	5.5	3.7	5.8	4.0	6.1

1200 mm

Airflow	33		52		71		90		109		127		146	
*Total	4		10		19		30		44		60		79	
*Static	3		8		16		25		37		51		67	
NC Level	<15		<15		<15		23		30		36		41	
Throw	1.2	3.0	2.4	4.3	3.4	5.2	4.0	5.8	4.6	6.7	4.9	7.3	5.5	7.9

1500 mm

Airflow	38		61		85		109		132		156		179	
*Total	2		6		14		23		35		51		70	
*Static	1		5		11		18		27		40		55	
NC Level	<15		<15		<15		23		29		35		40	
Throw	1.5	3.4	2.7	4.6	3.7	5.5	4.3	6.1	4.6	6.7	5.2	7.3	5.5	7.9

38 mm SLOT WIDTH

Horizontal 1 slot 150 diameter inlet

600 mm

Airflow	14		28		42		57		71		85		99	
*Total	0		9		22		37		61		91		117	
*Static	0		8		19		31		52		78		99	
NC Level	<15		<15		<15		22		31		39		44	
Throw	1.2	2.1	2.1	3.4	2.7	4.0	3.0	4.6	4.0	5.2	4.3	5.8	4.6	6.1

1200 mm

Airflow	33		52		71		90		109		127		146	
*Total	5		11		22		37		51		71		93	
*Static	3		6		13		22		30		42		55	
NC Level	<15		<15		<15		20		24		30		36	
Throw	1.5	3.4	2.4	4.6	3.7	5.2	4.0	5.8	4.6	6.1	4.9	6.4	5.2	7.0

1500 mm

Airflow	40		64		87		111		134		158		182	
*Total	3		14		25		41		61		85		109	
*Static	0		6		11		19		29		40		50	
NC Level	<15		<15		<15		20		26		31		37	
Throw	1.5	3.4	2.4	4.6	4.0	5.5	4.6	6.4	5.2	7.0	5.5	7.6	6.1	8.2

38 mm SLOT WIDTH

Horizontal 1 slot 200 diameter inlet

600 mm

Airflow	14		28		42		57		71		85		99	
*Total	0		8		19		32		55		79		106	
*Static	0		7		18		30		52		74		100	
NC Level	<15		<15		<15		23		31		40		44	
Throw	1.2	2.1	2.1	3.4	2.7	4.0	3.7	4.6	4.0	5.2	4.3	5.5	4.6	5.8

1200 mm

Airflow	33		57		80		104		127		151		175	
*Total	4		9		19		31		51		67		94	
*Static	3		7		15		25		42		55		77	
NC Level	<15		<15		<15		22		30		36		44	
Throw	1.5	3.4	2.7	4.6	4.0	5.5	4.6	6.4	5.2	7.0	5.8	7.6	6.1	7.9

1500 mm

Airflow	40		68		97		125		153		182		210	
*Total	4		10		21		32		51		68		99	
*Static	3		7		15		24		37		50		74	
NC Level	<15		<15		<15		23		30		36		43	
Throw	1.5	3.4	3.0	4.9	4.0	6.1	5.2	7.0	5.8	7.6	6.1	8.2	6.4	8.8

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-H – 1 Slot Horizontal

51 mm SLOT WIDTH													
Horizontal 1 slot 200 diameter inlet													
600 mm													
Airflow	**19**		**38**		**57**		**76**		**94**		**113**		**132**
*Total	2		7		16		29		45		64		87
*Static	1		6		14		25		39		57		77
NC Level	<15		<15		<15		17		26		31		38
Throw	0.9	2.4	2.4	4.0	3.0	4.6	4.0	5.2	4.3	5.8	4.6	6.7	4.9	7.0
1200 mm													
Airflow	**47**		**71**		**94**		**118**		**142**		**165**		**189**
*Total	4		8		15		23		34		46		60
*Static	2		5		10		15		22		30		39
NC Level	<15		<15		<15		15		22		30		37
Throw	1.2	3.4	2.7	4.3	3.7	5.2	4.0	5.8	4.3	7.0	7.6	8.2	5.2	8.5
1500 mm													
Airflow	**59**		**85**		**111**		**137**		**163**		**189**		**215**
*Total	4		9		16		24		34		46		59
*Static	2		5		9		13		19		25		33
NC Level	<15		<15		<15		22		29		34		39
Throw	1.8	3.7	3.7	5.2	4.0	5.8	4.3	7.0	4.9	7.9	5.5	8.5	6.4	9.1

51 mm SLOT WIDTH																
Horizontal 1 slot 300 diameter inlet																
600 mm																
Airflow	**24**		**47**		**71**		**94**		**118**		**142**		**165**			
*Total	2		7		16		28		44		63		86			
*Static	2		7		15		27		42		60		82			
NC Level	<15		<15		<15		17		24		29		37			
Throw	1.5	3.0	2.4	3.7	3.0	4.3	3.7	5.2	4.0	5.8	4.3	6.7	4.9	7.6		
1200 mm																
Airflow	**47**		**80**		**113**		**146**		**179**		**212**		**245**			
*Total	2		6		11		19		28		42		53			
*Static	2		5		9		16		23		33		44			
NC Level	<15		<15		<15		20		27		33		39			
Throw	1.8	3.7	3.4	4.6	4.0	5.8	4.6	7.0	5.2	8.2	5.8	9.1	6.4	10.4		
1500 mm																
Airflow	**59**		**97**		**134**		**172**		**210**		**248**		**285**			
*Total	2		6		11		18		27		38		50			
*Static	2		4		8		14		21		29		38			
NC Level	<15		<15		<15		23		31		36		41			
Throw	2.1	4.6	3.4	5.8	4.3	7.3	4.9	7.6	5.8	9.1	6.4	9.8	7.6	10.4		

63 mm SLOT WIDTH														
Horizontal 1 slot 250 diameter inlet														
600 mm														
Airflow	**47**		**68**		**90**		**111**		**132**		**153**		**175**	
*Total	5		11		18		28		40		54		70	
*Static	5		10		17		26		37		51		65	
NC Level	<15		<15		<15		20		27		33		38	
Throw	1.8	3.4	2.7	4.0	3.7	5.2	4.3	5.5	4.9	6.7	5.2	7.3	5.5	7.9
1200 mm														
Airflow	**66**		**104**		**142**		**179**		**217**		**255**		**293**	
*Total	4		9		17		28		40		56		73	
*Static	2		6		12		19		28		38		51	
NC Level	<15		<15		<15		25		33		40		45	
Throw	2.4	5.2	4.3	6.7	4.9	7.6	5.2	8.5	5.8	9.4	6.7	10.1	7.3	10.7
1500 mm														
Airflow	**71**		**113**		**156**		**198**		**241**		**283**		**326**	
*Total	3		8		16		26		37		52		69	
*Static	0		5		9		15		22		30		40	
NC Level	<15		<15		<15		23		31		38		43	
Throw	2.4	4.9	3.7	6.4	4.6	7.6	5.5	8.8	6.4	9.8	7.0	10.7	8.2	11.6

63 mm SLOT WIDTH														
Horizontal 1 slot 300 diameter inlet														
600 mm														
Airflow	**57**		**71**		**94**		**118**		**142**		**165**		**179**	
*Total	6		12		21		32		46		62		80	
*Static	5		11		19		29		41		56		72	
NC Level	<15		<15		<15		22		29		35		40	
Throw	2.1	3.7	3.0	4.6	4.0	5.8	4.9	6.1	5.2	7.3	5.8	7.9	6.1	8.5
1200 mm														
Airflow	**66**		**106**		**146**		**186**		**227**		**267**		**307**	
*Total	3		8		15		24		35		49		65	
*Static	2		6		11		19		28		38		51	
NC Level	<15		<15		<15		23		31		38		43	
Throw	2.4	5.2	4.3	6.7	4.9	7.6	5.2	8.8	6.1	9.8	7.0	10.4	7.9	11.3
1500 mm														
Airflow	**71**		**118**		**165**		**212**		**260**		**307**		**354**	
*Total	2		7		13		22		33		47		62	
*Static	2		5		9		16		23		32		43	
NC Level	<15		<15		<15		26		34		40		46	
Throw	2.4	4.9	3.7	6.4	4.9	7.9	5.8	9.4	6.7	10.1	7.6	11.3	8.5	11.9

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-H – 1 Slot Horizontal

76 mm SLOT WIDTH													
Horizontal 1 slot 250 dia inlet													
600 mm													
Airflow	**59**		**80**		**101**		**123**		**144**		**165**		**186**
*Total	7		14		22		32		45		59		75
*Static	7		12		19		29		39		52		66
NC Level	<15		<15		<15		24		29		35		40
Throw	3.4	4.9	4.0	5.8	4.6	6.4	5.2	7.0	5.5	7.6	5.8	8.5	6.1	9.4
1200 mm													
Airflow	**94**		**130**		**165**		**201**		**236**		**271**		**307**
*Total	7		12		20		30		41		55		70
*Static	4		8		13		19		26		35		44
NC Level	<15		<15		18		22		28		34		40
Throw	4.0	6.1	4.6	7.3	5.8	8.2	6.4	9.1	7.0	9.8	7.3	10.7	7.9	11.3
1500 mm													
Airflow	**104**		**146**		**189**		**231**		**274**		**316**		**359**
*Total	6		10		20		31		43		57		73
*Static	3		6		11		16		23		30		39
NC Level	<15		<15		16		24		32		39		45
Throw	3.7	6.4	5.2	7.6	6.1	8.8	7.0	9.8	7.3	10.7	7.9	11.3	8.5	12.2

76 mm SLOT WIDTH													
Horizontal 1 slot 300 diameter inlet													
600 mm													
Airflow	**59**		**80**		**101**		**123**		**144**		**165**		**186**
*Total	7		13		21		31		42		56		71
*Static	6		12		19		29		39		52		66
NC Level	<15		<15		<15		18		25		31		36
Throw	3.4	4.9	4.0	5.8	4.6	6.4	5.2	7.0	5.5	7.6	5.8	8.5	6.1	9.4
1200 mm													
Airflow	**94**		**137**		**179**		**222**		**264**		**307**		**349**
*Total	5		12		20		31		43		59		76
*Static	4		9		15		23		33		44		58
NC Level	<15		<15		<15		22		29		36		41
Throw	4.0	6.1	4.9	7.3	6.1	8.5	6.7	9.4	7.3	10.4	7.9	11.3	8.5	12.2
1500 mm													
Airflow	**104**		**156**		**208**		**260**		**311**		**363**		**415**
*Total	5		11		20		31		44		60		78
*Static	3		7		13		20		29		40		52
NC Level	<15		<15		19		26		32		39		43
Throw	3.7	6.4	4.3	7.9	4.9	9.1	6.1	10.4	7.6	11.3	8.2	11.9	8.8	12.8

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-H – 2 Slot Horizontal

25 mm SLOT WIDTH

Horizontal 2 slot 200 diameter inlet

600 mm

Airflow	38		57		76		94		113		132		151	
*Total	4		9		16		25		36		49		64	
*Static	4		10		13		20		29		39		51	
NC Level	<15		<15		<15		23		29		35		40	
Throw	1.8	3.7	3.0	4.9	4.0	5.5	4.3	6.1	4.9	6.7	5.2	7.0	5.5	7.6

1200 mm

Airflow	76		109		142		175		208		241		274	
*Total	6		13		23		34		49		65		84	
*Static	3		6		11		17		24		32		42	
NC Level	<15		<15		17		24		31		36		41	
Throw	2.4	5.2	3.7	6.4	4.9	7.3	5.5	7.9	6.1	9.1	6.7	9.8	7.3	10.4

1500 mm

Airflow	94		132		170		208		245		283		321	
*Total	8		16		27		40		56		74		95	
*Static	3		6		10		15		22		29		37	
NC Level	<15		<15		19		26		32		37		42	
Throw	3.0	6.1	4.3	7.3	5.2	7.9	6.1	9.1	6.7	10.1	7.3	10.7	7.9	11.6

25 mm SLOT WIDTH

Horizontal 2 slot 250 diameter inlet

600 mm

Airflow	38		61		85		109		132		156		179	
*Total	3		9		18		30		44		61		80	
*Static	3		8		16		26		39		54		72	
NC Level	<15		<15		19		28		35		41		47	
Throw	1.8	4.0	3.4	4.9	4.3	5.8	4.6	6.7	5.2	7.3	5.5	7.9	5.8	8.5

1200 mm

Airflow	76		113		151		189		227		264		302	
*Total	5		11		19		29		42		58		75	
*Static	3		7		13		20		29		39		51	
NC Level	<15		<15		18		26		33		39		44	
Throw	2.7	5.5	4.3	6.7	5.5	7.9	6.1	8.8	6.7	9.8	7.3	10.4	7.6	10.7

1500 mm

Airflow	94		139		184		229		274		319		363	
*Total	5		12		21		33		47		63		83	
*Static	3		7		12		19		27		36		47	
NC Level	<15		<15		20		28		34		40		45	
Throw	2.7	5.8	4.3	7.3	5.8	8.2	6.7	9.8	7.3	10.7	7.6	11.6	8.2	11.9

38 mm SLOT WIDTH

Horizontal 2 slot 200 diameter inlet

600 mm

Airflow	57		76		94		113		132		151		170	
*Total	9		16		25		36		49		64		81	
*Static	7		13		20		29		39		51		64	
NC Level	<15		<15		19		26		32		37		41	
Throw	2.7	4.0	3.7	4.9	4.0	5.5	4.9	6.4	5.2	7.3	5.5	7.9	5.8	8.2

1200 mm

Airflow	113		146		179		212		245		278		311	
*Total	14		24		36		51		68		87		109	
*Static	7		12		18		25		33		43		54	
NC Level	<15		<15		21		27		33		37		42	
Throw	4.3	6.7	5.2	7.6	6.1	8.5	6.7	9.4	7.0	10.1	7.6	10.7	7.9	11.3

1500 mm

Airflow	142		175		208		241		274		307		340	
*Total	19		28		40		54		70		87		107	
*Static	7		11		15		21		27		33		41	
NC Level	<15		<15		22		27		32		36		40	
Throw	4.6	7.6	5.8	8.5	6.4	9.1	6.7	9.8	7.0	10.1	7.3	10.4	8.2	11.6

38 mm SLOT WIDTH

Horizontal 2 slot 300 diameter inlet

600 mm

Airflow	57		80		104		127		151		175		198	
*Total	8		15		26		39		54		73		93	
*Static	7		14		24		36		51		68		88	
NC Level	<15		<15		21		29		35		40		45	
Throw	2.7	4.9	4.0	5.8	4.3	6.4	4.9	7.3	5.5	7.9	5.8	8.5	6.4	8.8

1200 mm

Airflow	113		151		189		227		264		302		340	
*Total	9		16		25		36		49		64		82	
*Static	7		13		20		29		39		51		64	
NC Level	<15		<15		22		26		32		37		41	
Throw	4.3	6.7	5.5	7.9	6.1	8.8	6.7	9.8	7.3	10.1	7.9	11.0	8.2	11.9

1500 mm

Airflow	142		189		236		283		330		378		425	
*Total	10		18		28		40		55		72		91	
*Static	7		13		20		29		39		51		64	
NC Level	<15		<15		23		30		35		40		45	
Throw	4.6	7.6	6.1	8.8	6.7	9.8	7.3	10.7	8.2	11.6	8.5	12.5	9.1	13.1

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-H – 2 Slot Horizontal

51 mm SLOT WIDTH

Horizontal 2 slot 200 diameter inlet

600 mm

Airflow	57		78		99		120		142		163		184	
*Total	6		11		17		25		35		46		59	
*Static	4		7		12		17		24		31		40	
NC Level	<15		<15		16		24		29		34		38	
Throw	2.4	4.3	3.4	4.9	3.7	5.8	4.3	6.4	4.9	7.0	5.2	7.3	5.5	7.6

1200 mm

Airflow	113		142		170		198		227		255		283	
*Total	13		20		28		39		51		64		79	
*Static	5		8		12		16		21		27		33	
NC Level	<15		17		23		29		34		39		43	
Throw	3.4	6.1	4.3	7.0	4.9	7.3	5.8	7.9	6.1	8.8	6.7	9.1	7.0	9.8

1500 mm

Airflow	123		153		184		215		245		276		307	
*Total	13		20		29		40		52		66		82	
*Static	4		7		10		14		18		23		28	
NC Level	<15		16		22		29		34		38		42	
Throw	3.4	6.4	4.3	7.0	4.9	7.6	5.5	8.5	6.4	9.1	6.7	9.8	7.0	10.1

51 mm SLOT WIDTH

Horizontal 2 slot 300 diameter inlet

600 mm

Airflow	57		92		127		163		198		234		269	
*Total	2		6		11		19		28		38		51	
*Static	2		5		10		16		23		32		43	
NC Level	<15		<15		<15		22		28		35		41	
Throw	2.4	4.3	4.0	5.5	4.6	6.7	5.2	7.3	5.8	7.9	6.1	8.8	6.4	9.4

1200 mm

Airflow	113		156		198		241		283		326		368	
*Total	5		9		15		22		30		40		51	
*Static	3		6		10		15		21		28		36	
NC Level	<15		<15		17		24		30		35		41	
Throw	3.4	6.1	4.6	7.0	5.8	7.9	6.4	8.8	7.0	9.8	7.3	10.4	7.6	11.0

1500 mm

Airflow	132		179		227		274		321		368		415	
*Total	5		10		16		23		32		43		54	
*Static	3		6		10		15		21		27		35	
NC Level	<15		<15		18		25		31		36		41	
Throw	3.7	6.7	4.6	7.6	6.1	8.8	6.7	9.8	7.3	10.4	7.6	11.0	8.2	11.9

63 mm SLOT WIDTH

Horizontal 2 slot 250 diameter inlet

600 mm

Airflow	38		76		113		151		189		227		264	
*Total	1		5		11		19		30		43		59	
*Static	1		3		8		14		22		31		43	
NC Level	<15		<15		<15		18		27		35		41	
Throw	1.2	3.0	3.0	4.9	4.3	6.1	4.9	7.0	5.5	7.9	6.1	8.8	6.7	9.4

1200 mm

Airflow	76		132		189		245		302		359		415	
*Total	3		8		17		29		44		62		83	
*Static	1		4		9		15		23		32		43	
NC Level	<15		<15		<15		22		31		38		44	
Throw	1.5	4.3	3.7	6.7	5.2	7.9	6.4	9.1	7.0	9.8	7.6	11.0	8.2	11.9

1500 mm

Airflow	94		158		222		285		349		413		477	
*Total	3		10		20		32		48		67		90	
*Static	1		4		8		13		20		27		36	
NC Level	<15		<15		<15		23		31		38		44	
Throw	1.5	4.6	4.0	7.0	5.5	8.5	7.0	9.8	7.6	10.7	8.2	11.6	8.8	12.5

63 mm SLOT WIDTH

Horizontal 2 slot 300 diameter inlet

600 mm

Airflow	38		80		123		165		208		250		293	
*Total	1		4		8		15		24		35		48	
*Static	0		3		7		12		19		28		38	
NC Level	<15		<15		<15		17		27		34		41	
Throw	1.2	3.0	3.0	5.2	4.3	6.4	5.2	7.3	5.8	8.2	6.4	9.4	7.0	9.8

1200 mm

Airflow	76		139		203		281		330		394		458	
*Total	2		6		13		22		34		48		64	
*Static	1		4		8		14		21		30		41	
NC Level	<15		<15		<15		21		29		37		43	
Throw	1.5	4.3	4.0	7.0	5.8	8.2	6.7	9.4	7.3	10.4	7.9	11.6	8.8	12.5

1500 mm

Airflow	94		165		236		307		378		448		519	
*Total	2		7		15		25		37		53		70	
*Static	1		4		8		14		21		30		40	
NC Level	<15		<15		<15		21		29		37		43	
Throw	1.5	4.6	4.3	7.3	5.8	8.8	7.0	10.1	7.9	11.3	8.5	12.2	9.4	13.1

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-H – 2 Slot Horizontal

76 mm SLOT WIDTH													
Horizontal 2 slot 250 diameter inlet													
600 mm													
Airflow	**38**		**85**		**132**		**179**		**227**		**274**		**321**
*Total	1		5		13		24		38		56		77
*Static	1		4		9		17		26		39		53
NC Level	<15		<15		<15		17		28		36		43
Throw	0.9	2.7	3.0	5.2	4.6	6.7	5.5	7.6	6.1	8.8	6.7	9.8	7.3	10.4
1200 mm													
Airflow	**71**		**142**		**212**		**283**		**354**		**425**		**495**
*Total	2		9		20		35		55		80		108
*Static	1		4		9		17		26		37		51
NC Level	<15		<15		<15		19		29		38		45
Throw	1.2	3.7	3.7	7.0	5.5	8.5	7.0	9.8	7.6	10.7	8.5	11.9	9.1	12.8
1500 mm													
Airflow	**85**		**165**		**245**		**326**		**406**		**486**		**566**
*Total	3		10		23		40		62		89		121
*Static	1		4		9		15		24		34		46
NC Level	<15		<15		16		19		29		38		45
Throw	1.2	4.0	4.0	7.3	5.8	9.1	7.3	10.4	8.2	11.6	9.1	12.5	9.8	13.7

76 mm SLOT WIDTH													
Horizontal 2 slot 300 diameter inlet													
600 mm													
Airflow	**38**		**85**		**132**		**179**		**227**		**274**		**321**
*Total	1		4		10		19		31		45		62
*Static	1		3		8		16		25		36		50
NC Level	<15		<15		<15		15		23		32		39
Throw	0.9	2.7	3.0	5.2	4.6	6.7	5.5	7.6	6.1	8.8	6.7	9.8	7.3	10.4
1200 mm													
Airflow	**71**		**146**		**222**		**297**		**373**		**448**		**524**
*Total	1		6		14		25		39		56		77
*Static	1		3		8		15		23		33		46
NC Level	<15		<15		<15		23		29		35		42
Throw	1.2	3.7	4.0	7.0	5.8	8.5	7.0	9.8	7.9	11.0	8.5	12.2	9.4	13.1
1500 mm													
Airflow	**85**		**170**		**255**		**340**		**425**		**510**		**595**
*Total	2		7		15		27		42		61		82
*Static	1		3		8		14		22		31		42
NC Level	<15		<15		16		24		30		35		42
Throw	1.2	4.0	4.0	7.3	5.8	9.1	7.3	10.7	8.5	11.9	9.1	12.8	9.8	14.0

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-V – 1 Slot Vertical

25 mm SLOT WIDTH

Vertical 1 slot 200 diameter inlet

600 mm

Airflow	24		45		66		87		109		130		151	
*Total	2		8		18		31		49		70		94	
*Static	2		7		15		27		42		60		81	
NC Level	<15		<15		<15		26		33		39		44	
Throw	0.9	3.0	2.7	5.8	4.3	7.3	5.8	8.5	6.7	9.4	7.3	10.4	7.9	11.0

1200 mm

Airflow	47		83		118		153		189		224		260	
*Total	4		14		28		47		72		101		136	
*Static	3		10		20		33		50		71		94	
NC Level	<15		<15		<15		29		35		41		46	
Throw	1.2	4.0	3.4	7.0	5.2	9.1	6.4	10.4	7.9	11.3	8.8	12.5	9.4	13.4

1500 mm

Airflow	52		92		132		172		212		252		293	
*Total	5		15		31		53		80		113		152	
*Static	3		10		20		34		52		74		99	
NC Level	<15		<15		<15		30		36		42		47	
Throw	0.9	3.7	3.4	6.7	5.2	9.8	6.4	10.7	7.6	11.9	9.1	12.8	9.8	13.7

25 mm SLOT WIDTH

Vertical 1 slot 250 diameter inlet

600 mm

Airflow	24		45		66		87		109		130		151	
*Total	1		5		12		22		33		48		64	
*Static	1		5		11		20		30		43		59	
NC Level	<15		<15		<15		23		30		35		40	
Throw	0.9	3.0	2.7	5.8	4.3	7.3	5.8	8.5	6.7	9.4	7.3	10.4	7.9	11.0

1200 mm

Airflow	47		85		123		160		198		236		274	
*Total	3		9		19		32		49		69		93	
*Static	2		7		15		26		39		52		74	
NC Level	<15		<15		<15		24		31		37		42	
Throw	1.2	4.0	3.7	7.0	5.2	9.1	6.7	10.4	8.5	11.9	9.1	12.8	9.8	13.7

1500 mm

Airflow	52		99		146		193		241		288		335	
*Total	3		10		22		38		58		84		113	
*Static	2		7		16		28		44		63		85	
NC Level	<15		<15		<15		26		33		39		44	
Throw	0.9	3.7	3.7	7.3	5.5	9.8	7.0	11.3	8.8	12.5	9.8	13.7	10.4	14.6

25 mm SLOT WIDTH

Vertical 1 slot 300 diameter inlet

600 mm

Airflow	24		45		66		87		109		130		151	
*Total	1		4		9		16		25		35		48	
*Static	1		4		9		15		23		33		45	
NC Level	<15		<15		<15		20		27		32		37	
Throw	0.9	3.0	2.7	5.8	4.3	7.3	5.8	8.5	6.7	9.4	7.3	10.4	7.9	11.0

1200 mm

Airflow	47		90		132		175		217		260		302	
*Total	2		8		17		30		46		65		89	
*Static	2		7		15		26		40		58		78	
NC Level	<15		<15		<15		26		33		38		43	
Throw	1.2	4.0	3.7	7.3	5.5	9.4	7.3	11.0	8.8	12.5	9.4	13.4	10.1	14.3

1500 mm

Airflow	52		104		156		208		260		311		363	
*Total	2		4		9		15		23		33		45	
*Static	1		6		14		25		39		56		76	
NC Level	<15		<15		<15		24		31		37		42	
Throw	0.9	3.7	3.7	7.6	5.8	10.1	7.6	11.9	9.4	13.1	10.1	14.3	11.0	15.5

38 mm SLOT WIDTH

Vertical 1 slot 200 diameter inlet

600 mm

Airflow	28		52		76		99		123		146		170	
*Total	2		7		15		26		39		56		76	
*Static	1		5		11		20		30		43		58	
NC Level	<15		<15		<15		20		27		33		38	
Throw	0.6	2.7	2.7	5.5	3.7	7.3	5.2	8.8	6.1	9.8	7.3	10.4	7.9	11.3

1200 mm

Airflow	57		94		132		170		208		245		283	
*Total	5		14		28		46		68		95		127	
*Static	3		9		17		28		42		59		78	
NC Level	<15		<15		<15		27		33		39		43	
Throw	0.9	3.7	2.7	6.4	4.3	8.8	5.8	10.4	7.0	11.3	7.9	12.5	9.4	13.4

1500 mm

Airflow	66		104		142		179		217		255		293	
*Total	6		15		29		46		67		93		123	
*Static	4		9		16		27		39		53		71	
NC Level	<15		<15		<15		26		32		38		42	
Throw	0.9	3.7	2.4	6.1	4.0	8.5	5.5	10.4	6.4	11.3	7.3	12.5	8.8	13.1

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-V – 1 Slot Vertical

38 mm SLOT WIDTH

Vertical 1 slot 250 diameter inlet

600 mm

Airflow	28		59		90		120		151		182		212	
*Total	1		6		14		26		40		6		80	
*Static	1		5		12		22		34		50		68	
NC Level	<15		<15		<15		23		30		36		41	
Throw	0.6	2.7	3.0	6.1	4.3	7.9	6.1	9.4	7.3	10.7	8.5	11.9	9.1	11.9

1200 mm

Airflow	57		113		170		227		283		340		396	
*Total	3		11		25		45		70		101		129	
*Static	2		8		18		32		50		72		98	
NC Level	<15		<15		<15		28		35		41		46	
Throw	0.9	3.7	3.7	7.3	5.8	10.4	7.3	12.2	9.4	13.4	10.4	14.6	11.0	15.8

1500 mm

Airflow	66		132		198		264		330		396		462	
*Total	3		13		30		53		83		120		163	
*Static	2		9		20		36		56		81		110	
NC Level	<15		<15		<15		30		37		43		48	
Throw	0.9	3.7	3.7	7.6	5.8	10.7	7.6	12.5	9.8	14.0	10.7	15.5	11.9	16.5

38 mm SLOT WIDTH

Vertical 1 slot 300 diameter inlet

600 mm

Airflow	28		59		90		120		151		182		212	
*Total	1		5		11		19		31		44		61	
*Static	1		4		10		18		28		40		55	
NC Level	<15		<15		<15		20		28		34		39	
Throw	0.6	2.7	3.0	6.1	4.3	7.9	6.1	9.4	7.3	10.7	8.5	11.9	9.1	12.8

1200 mm

Airflow	57		113		170		227		283		340		396	
*Total	2		8		17		31		48		68		93	
*Static	1		6		14		24		38		55		74	
NC Level	<15		<15		<15		24		31		37		42	
Throw	0.9	3.7	3.7	7.3	5.8	10.4	7.3	12.2	9.4	13.4	10.4	14.6	11.0	15.8

1500 mm

Airflow	66		132		198		264		330		396		462	
*Total	2		9		20		35		55		79		107	
*Static	1		7		15		27		42		60		81	
NC Level	<15		<15		<15		25		32		38		43	
Throw	0.9	3.7	3.7	4.6	5.8	10.7	7.6	12.5	9.8	14.0	10.7	15.5	11.9	16.5

51 mm SLOT WIDTH

Vertical 1 slot 200 diagram inlet

600 mm

Airflow	33		66		99		132		165		198		231	
*Total	2		9		20		36		57		81		111	
*Static	1		6		14		26		40		58		78	
NC Level	<15		<15		<15		24		32		38		42	
Throw	0.6	2.1	2.1	4.3	3.4	6.4	4.3	7.6	5.5	8.2	6.4	9.1	7.0	9.8

1200 mm

Airflow	66		104		142		179		217		255		293	
*Total	6		15		28		44		65		89		118	
*Static	3		8		15		24		36		50		65	
NC Level	<15		<15		<15		25		31		37		41	
Throw	0.6	2.4	1.5	4.3	2.7	6.1	4.0	7.9	4.6	8.8	5.5	9.4	6.4	10.1

1500 mm

Airflow	71		118		165		212		260		307		354	
*Total	6		18		34		56		84		118		156	
*Static	3		9		18		29		43		60		80	
NC Level	<15		<15		<15		29		35		41		45	
Throw	0.6	1.8	1.2	4.3	2.7	6.1	4.3	7.9	4.9	9.4	6.1	10.1	6.7	11.0

51 mm SLOT WIDTH

Vertical 1 slot 250 diagram inlet

600 mm

Airflow	33		71		109		146		184		222		260	
*Total	1		7		15		28		44		64		88	
*Static	1		5		12		23		36		52		71	
NC Level	<15		<15		<15		23		30		36		41	
Throw	0.6	2.1	2.4	4.6	3.7	6.7	4.9	7.9	6.1	8.8	6.7	9.4	7.3	10.4

1200 mm

Airflow	66		125		184		243		302		361		420	
*Total	3		12		26		44		68		98		132	
*Static	2		8		17		30		46		65		88	
NC Level	<15		<15		<15		27		34		40		45	
Throw	0.6	2.4	2.1	5.5	4.0	7.9	5.2	9.4	6.4	10.4	7.9	11.3	8.5	12.2

1500 mm

Airflow	71		142		212		283		354		425		495	
*Total	3		13		30		53		82		118		161	
*Static	2		8		18		33		51		73		99	
NC Level	<15		<15		<15		29		36		42		47	
Throw	0.6	1.8	1.8	5.5	4.3	7.9	5.5	9.4	6.7	11.0	7.9	11.9	9.1	12.8

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-V – 1 Slot Vertical

51 mm SLOT WIDTH

Vertical 1 slot 300 diameter inlet

600 mm

Airflow	33		76		118		160		203		245		288	
*Total	1		5		14		25		40		59		81	
*Static	1		5		12		22		35		52		71	
NC Level	<15		<15		<15		23		30		37		42	
Throw	0.6	2.1	2.7	4.9	4.0	7.0	5.2	8.2	6.4	9.1	7.3	10.1	7.9	11.0

1200 mm

Airflow	66		137		208		278		349		420		491	
*Total	2		9		20		37		58		83		114	
*Static	1		7		15		27		43		62		84	
NC Level	<15		<15		<15		26		33		39		44	
Throw	0.6	2.4	2.7	6.1	4.3	8.5	6.1	9.8	7.6	11.3	8.5	12.2	9.4	13.1

1500 mm

Airflow	71		156		241		326		411		495		580	
*Total	2		10		24		43		69		101		138	
*Static	1		7		17		31		49		72		98	
NC Level	<15		<15		<15		28		35		41		46	
Throw	0.6	1.8	2.4	6.1	4.6	8.8	6.1	10.4	7.9	11.6	9.1	12.8	9.8	14.0

64 mm SLOT WIDTH

Vertical 1 slot 300 diameter inlet

600 mm

Airflow	38		90		142		193		245		297		349	
*Total	1		6		15		28		46		67		93	
*Static	1		5		13		24		38		57		78	
NC Level	<15		<15		<15		24		31		38		43	
Throw	0.6	1.8	2.7	5.2	4.3	7.6	5.8	8.8	7.0	9.8	7.9	11.0	8.2	11.6

1200 mm

Airflow	71		158		245		333		420		507		595	
*Total	2		10		25		45		72		106		145	
*Static	1		7		18		32		51		75		102	
NC Level	<15		<15		<15		28		36		42		47	
Throw	0.6	1.8	2.4	6.1	4.6	9.1	6.4	10.7	7.9	11.9	9.1	13.1	9.8	14.0

1500 mm

Airflow	76		175		274		373		472		571		670	
*Total	2		11		27		50		79		116		160	
*Static	1		7		18		33		53		77		106	
NC Level	<15		<15		<15		29		37		43		48	
Throw	0.3	1.5	2.1	6.1	4.6	9.4	6.1	11.0	7.9	12.2	9.4	13.4	10.4	14.6

76 mm SLOT WIDTH

Vertical 1 slot 350 diameter inlet

600 mm

Airflow	47		106		165		224		283		342		401	
*Total	1		5		14		25		40		59		81	
*Static	1		5		12		22		35		51		70	
NC Level	<15		<15		<15		22		30		36		41	
Throw	0.6	2.1	2.7	5.5	4.3	7.9	6.1	9.4	7.3	10.4	7.9	11.3	8.8	12.2

1200 mm

Airflow	94		189		283		378		472		566		661	
*Total	2		9		20		36		57		81		111	
*Static	1		7		15		27		42		61		83	
NC Level	<15		<15		<15		26		33		39		44	
Throw	0.6	2.4	2.4	6.4	4.9	9.4	6.4	11.0	7.9	12.2	9.4	13.4	10.1	14.6

1500 mm

Airflow	113		217		321		425		529		632		736	
*Total	3		10		23		39		61		88		119	
*Static	2		7		16		28		43		62		84	
NC Level	<15		<15		<15		27		34		49		44	
Throw	0.6	2.4	2.4	6.4	4.9	9.8	6.4	11.3	7.9	12.8	9.4	13.7	10.7	14.6

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-V – 2 Slot Vertical

25 mm SLOT WIDTH

Vertical 2 slot 200 diameter inlet

600 mm

Airflow	38		73		109		144		179		215		250	
*Total	3		11		24		43		67		95		130	
*Static	2		8		17		30		47		67		92	
NC Level	<15		<15		<15		27		34		40		45	
Throw	1.2	4.0	3.7	7.0	5.8	8.8	7.0	10.1	7.9	11.0	8.8	12.2	9.4	13.1

1200 mm

Airflow	76		123		170		217		264		311		359	
*Total	8		21		39		65		96		133		177	
*Static	4		11		22		36		53		74		98	
NC Level	<15		<15		<15		31		38		43		48	
Throw	1.2	5.2	3.7	8.5	5.8	10.1	7.3	11.3	8.8	12.5	9.4	13.4	10.4	14.3

1500 mm

Airflow	94		142		189		236		283		330		378	
*Total	11		25		45		69		100		136		178	
*Static	5		13		23		35		51		70		91	
NC Level	<15		<15		<15		32		38		43		47	
Throw	1.2	3.0	3.4	5.8	5.8	10.4	7.0	11.3	8.8	12.5	9.8	13.4	10.4	14.3

25 mm SLOT WIDTH

Vertical 2 slot 250 diameter inlet

600 mm

Airflow	38		78		118		158		198		238		278	
*Total	1		7		17		30		47		68		93	
*Static	1		6		13		24		37		54		74	
NC Level	<15		<15		<15		23		31		37		42	
Throw	1.2	4.0	4.0	7.3	6.1	9.1	7.3	10.4	8.5	11.9	9.1	12.8	9.8	14.0

1200 mm

Airflow	76		142		208		274		340		406		472	
*Total	4		14		30		53		81		115		156	
*Static	3		9		19		34		52		74		100	
NC Level	<15		<15		<15		29		36		42		47	
Throw	1.2	5.2	4.6	9.1	7.0	11.0	9.1	12.8	10.1	14.0	10.7	15.5	11.9	16.8

1500 mm

Airflow	94		165		236		307		378		448		519	
*Total	5		17		35		59		89		125		168	
*Static	3		10		21		35		53		75		101	
NC Level	<15		<15		<15		31		37		43		47	
Throw	1.2	5.8	4.3	9.8	7.0	11.3	9.4	13.1	10.1	14.3	11.0	15.8	12.2	17.1

25 mm SLOT WIDTH

Vertical 2 slot 300 diameter inlet

600 mm

Airflow	38		80		123		165		208		250		293	
*Total	1		5		12		22		35		51		70	
*Static	1		4		11		19		30		44		60	
NC Level	<15		<15		<15		21		28		34		39	
Throw	1.2	4.0	4.0	7.3	6.4	9.4	7.6	10.7	8.5	12.2	9.4	13.1	10.1	14.3

1200 mm

Airflow	76		151		227		302		378		453		529	
*Total	2		9		20		36		57		82		111	
*Static	1		6		14		25		39		57		77	
NC Level	<15		<15		<15		24		32		37		42	
Throw	1.2	5.2	5.2	9.4	7.6	11.3	9.4	13.4	10.4	14.6	11.3	16.5	12.5	17.4

1500 mm

Airflow	94		177		260		342		425		507		590	
*Total	3		11		24		41		63		90		122	
*Static	2		7		15		27		41		59		80	
NC Level	<15		<15		<15		26		33		38		43	
Throw	1.2	5.8	5.2	10.1	7.6	12.2	9.8	13.7	10.7	15.5	11.9	16.8	12.8	18.0

38 mm SLOT WIDTH

Vertical 2 slot 250 diameter inlet

600 mm

Airflow	57		99		142		184		227		269		311	
*Total	3		8		17		29		43		62		83	
*Static	2		6		12		20		31		43		58	
NC Level	<15		<15		<15		21		27		30		38	
Throw	1.2	4.6	4.0	7.9	5.8	9.4	7.6	10.7	8.5	12.2	9.4	13.1	10.1	14.0

1200 mm

Airflow	113		160		208		255		302		349		396	
*Total	7		15		24		37		51		68		88	
*Static	4		8		14		20		28		38		49	
NC Level	<15		<15		<15		22		28		32		37	
Throw	1.8	6.1	3.0	8.8	5.2	10.4	7.0	11.9	7.9	12.8	9.4	13.7	10.4	14.3

1500 mm

Airflow	123		172		222		271		321		370		420	
*Total	8		15		25		38		53		70		91	
*Static	4		8		13		19		27		36		46	
NC Level	<15		<15		<15		22		28		32		36	
Throw	1.2	5.2	2.4	8.5	4.0	10.7	6.1	11.9	7.6	12.8	9.1	13.7	10.1	14.3

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-V – 2 Slot Vertical

38 mm SLOT WIDTH

Vertical 2 slot 300 diagram inlet

600 mm

Airflow	57		109		160		212		264		316		368	
*Total	1		6		13		23		36		52		70	
*Static	1		5		10		18		28		40		54	
NC Level	<15		<15		<15		19		26		32		36	
Throw	1.2	4.6	4.3	8.5	6.7	10.1	7.9	11.9	9.1	13.1	10.1	14.0	10.7	15.2

1200 mm

Airflow	113		184		255		326		396		467		538	
*Total	4		11		20		33		49		68		91	
*Static	2		7		12		20		30		42		56	
NC Level	<15		<15		<15		22		28		33		38	
Throw	1.8	6.1	4.0	9.8	7.6	11.3	9.4	13.4	10.4	14.6	11.3	16.5	12.5	17.4

1500 mm

Airflow	123		201		278		356		434		512		590	
*Total	4		11		22		36		53		74		98	
*Static	2		7		13		21		31		43		57	
NC Level	<15		<15		<15		22		29		34		39	
Throw	1.2	5.2	3.4	9.8	6.4	11.9	8.8	13.4	10.4	14.6	11.3	16.2	12.2	17.1

38 mm SLOT WIDTH

Vertical 2 slot 350 diagram inlet

600 mm

Airflow	57		113		170		227		283		340		396	
*Total	1		4		10		18		29		41		56	
*Static	1		4		8		15		23		34		46	
NC Level	<15		<15		<15		15		23		29		34	
Throw	1.2	4.6	4.6	8.5	7.0	10.4	8.5	12.2	9.4	13.4	10.4	14.6	11.0	15.8

1200 mm

Airflow	113		196		278		361		444		526		609	
*Total	2		7		15		25		38		53		71	
*Static	1		5		10		16		25		35		47	
NC Level	<15		<15		<15		18		24		30		35	
Throw	1.8	6.1	4.6	10.1	7.6	12.2	9.8	13.7	10.7	15.5	11.9	16.8	12.8	17.7

1500 mm

Airflow	123		208		293		378		462		547		632	
*Total	3		8		16		26		39		55		73	
*Static	2		5		10		17		25		35		47	
NC Level	<15		<15		<15		18		25		30		35	
Throw	1.2	5.2	3.7	10.1	7.0	12.2	9.1	13.7	10.7	15.5	11.9	16.8	12.8	17.7

51 mm SLOT WIDTH

Vertical 2 slot 250 diagram inlet

600 mm

Airflow	33		66		99		132		165		198		231	
*Total	1		3		7		12		19		28		38	
*Static	2		2		4		8		13		18		25	
NC Level	<15		<15		<15		15		17		19		24	
Throw	0.3	0.9	0.9	3.4	1.8	5.5	3.4	6.7	4.3	7.6	5.5	8.2	6.1	9.1

1200 mm

Airflow	118		168		217		267		316		366		415	
*Total	7		14		24		35		50		67		86	
*Static	3		7		12		18		25		33		43	
NC Level	<15		<15		<15		21		27		31		35	
Throw	0.9	3.0	1.5	6.1	2.7	7.9	4.0	8.8	5.8	9.4	6.4	10.4	7.6	11.3

1500 mm

Airflow	132		184		236		288		340		392		444	
*Total	8		15		25		37		52		69		89	
*Static	3		7		11		17		23		32		39	
NC Level	<15		<15		<15		21		27		31		35	
Throw	0.9	2.7	1.2	5.2	2.1	7.6	3.0	9.1	4.3	9.8	6.1	10.4	7.0	11.3

51 mm SLOT WIDTH

Vertical 2 slot 300 diagram inlet

600 mm

Airflow	66		130		193		257		321		385		448	
*Total	2		7		15		27		42		61		82	
*Static	1		5		11		19		30		43		58	
NC Level	<15		<15		<15		20		27		33		38	
Throw	0.9	3.4	3.4	6.7	5.2	8.2	6.7	9.4	7.6	10.7	7.9	11.0	8.2	11.6

1200 mm

Airflow	118		201		283		366		448		531		613	
*Total	4		11		22		36		54		76		102	
*Static	2		6		12		20		30		42		57	
NC Level	<15		<15		<15		22		29		34		39	
Throw	0.9	3.0	2.4	7.3	4.3	9.1	6.4	10.4	7.9	11.3	8.8	12.5	9.4	13.4

1500 mm

Airflow	132		217		302		387		472		557		642	
*Total	4		12		23		37		55		77		102	
*Static	2		6		12		19		28		39		52	
NC Level	<15		<15		<15		22		29		34		39	
Throw	0.9	2.7	1.8	6.7	3.7	9.4	5.8	10.4	7.6	11.3	8.8	12.5	9.4	13.4

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)

PHC-V – 2 Slot Vertical

51 mm SLOT WIDTH

Vertical 2 slot 350 diagram inlet

600 mm

Airflow	66		132		198		264		330		396		462	
*Total	1		4		10		18		28		41		56	
*Static	1		3		8		14		21		31		42	
NC Level	<15		<15		<15		15		21		27		32	
Throw	0.9	3.4	3.4	6.7	5.5	8.2	6.7	9.4	7.6	11.0	8.2	11.9	9.1	12.8

1200 mm

Airflow	118		212		307		401		495		590		684	
*Total	2		7		15		26		40		57		76	
*Static	1		4		9		16		24		34		46	
NC Level	<15		<15		<15		18		24		30		35	
Throw	0.9	3.0	2.7	7.6	5.2	9.4	7.3	11.0	8.5	12.2	9.4	13.1	10.1	14.3

1500 mm

Airflow	132		227		321		415		510		604		698	
*Total	3		7		15		25		38		53		71	
*Static	1		4		8		14		21		30		39	
NC Level	<15		<15		<15		16		23		28		33	
Throw	0.9	3.0	2.4	8.5	4.6	11.3	7.6	12.8	9.4	14.0	11.0	15.2	11.9	16.5

64 mm SLOT WIDTH

Vertical 2 slot 350 diagram inlet

600 mm

Airflow	71		158		245		333		420		507		595	
*Total	1		5		13		24		39		57		78	
*Static	1		4		9		17		28		40		55	
NC Level	<15		<15		<15		18		26		32		37	
Throw	0.9	2.7	3.4	7.3	6.1	9.1	7.6	10.7	8.2	11.9	9.4	13.1	9.8	14.0

1200 mm

Airflow	142		255		368		481		595		708		821	
*Total	3		10		20		34		52		73		99	
*Static	1		1		11		19		29		41		55	
NC Level	<15		<15		<15		21		28		33		38	
Throw	0.9	3.0	2.7	7.9	5.2	10.1	7.6	11.6	9.1	13.1	9.8	14.0	10.7	15.2

1500 mm

Airflow	165		283		401		519		637		755		873	
*Total	4		11		22		36		54		76		102	
*Static	2		5		11		18		28		39		52	
NC Level	<15		<15		<15		22		28		34		38	
Throw	0.9	2.7	2.1	7.9	4.3	10.4	7.0	11.6	8.8	3.1	10.1	14.3	11.0	15.2

76 mm SLOT WIDTH

Vertical 2 slot 350 diameter inlet

600 mm

Airflow	83		182		281		380		479		578		677	
*Total	1		6		15		28		45		65		90	
*Static	1		4		10		19		30		43		60	
NC Level	<15		<15		<15		20		27		33		38	
Throw	0.9	2.7	3.0	7.6	6.1	9.4	7.9	11.3	8.8	12.5	9.4	13.4	10.4	5.5

1200 mm

Airflow	151		274		396		519		642		764		887	
*Total	3		10		22		37		56		80		107	
*Static	1		5		11		19		30		42		56	
NC Level	<15		<15		<15		22		27		34		39	
Throw	0.6	2.7	2.1	7.9	4.3	10.4	7.3	11.9	9.1	13.1	10.1	14.3	11.0	15.5

1500 mm

Airflow	179		304		429		554		680		805		930	
*Total	4		11		22		37		56		78		104	
*Static	2		5		10		17		26		36		48	
NC Level	<15		<15		<15		21		28		33		38	
Throw	0.6	2.7	1.8	7.0	3.7	10.4	6.1	11.9	8.5	13.1	10.1	14.3	11.0	15.2

1. Data is based upon Price TWA engineered plenum (uninsulated) as a complete assembly. Throw values are given at 0.5 and 0.25m/s
2. Terminal velocities under isothermal conditions
3. NC (Noise criteria) values are based on 10dB room absorption re 10^{-12} W
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991

KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Throw in metres (m)
Pressure in Pascals (Pa)
Airflow in litre per second (l/s)