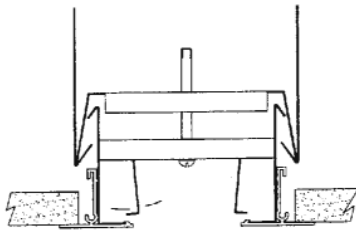


Widebody™ Linear Supply Diffuser, High Bay Deflector (CE)



Application

Wide slot linear diffusers are used where architectural considerations require a linear diffuser, but the air flow is higher than can be handled by narrower slot units. The high bay deflector is best used in ceilings where the design requires the air envelope to proceed vertically a long distance to reach the occupied zone, or in a wall where the required discharge direction is horizontal.

Standard Features

- Extruded aluminum frame is attractive and strong.
- Slot width options:
1" 1-1/2" 2" 2-1/2" 3"
- Available in 1 or 2 slots as standard.
- Minimum length is 12"
- Maximum single unit length is 72" (6'). Units can be joined for continuous runs.
- Standard color is #37 Bright White face with Black interior.
- Choice of the following mounting methods:
Surface Mount
Surface Mount, Concealed Face
Suspended Ceiling Mount

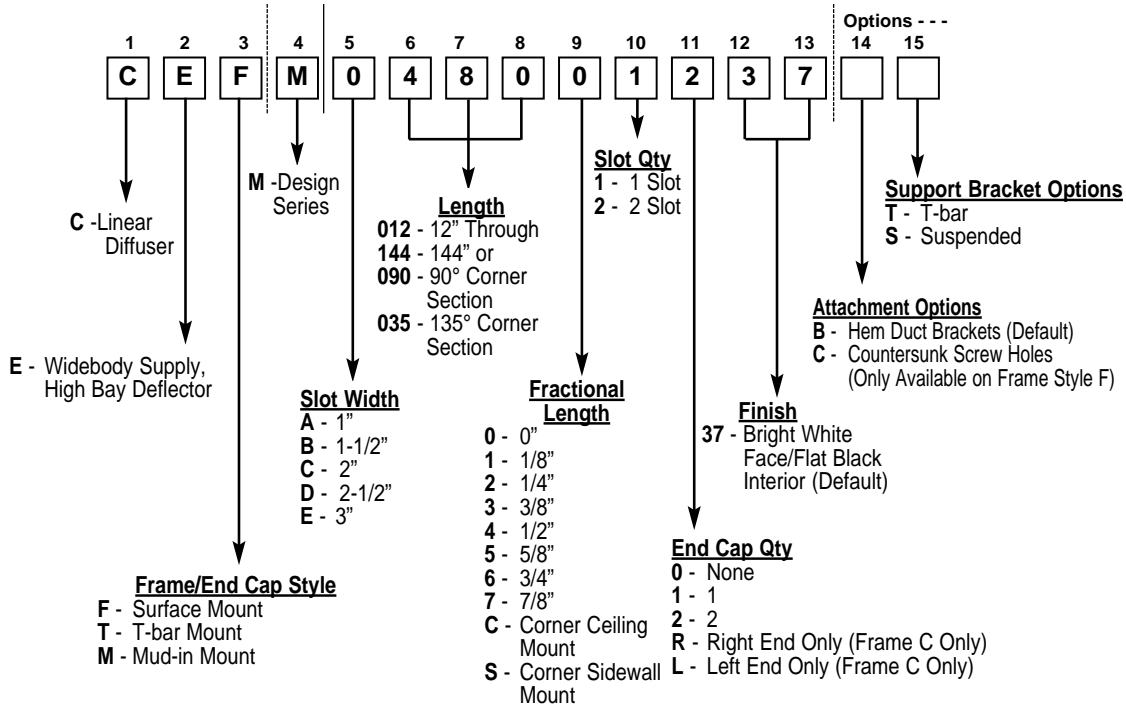
Optional Features

- Screw holes in the face (Opt. C) provide added versatility in mounting (p. A171).
- Units can be curved for mounting in flat ceiling along curved wall or in curved wall along flat ceiling.

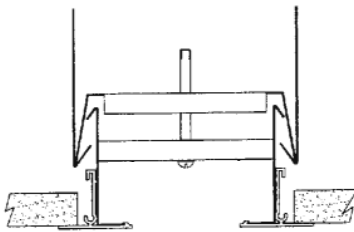
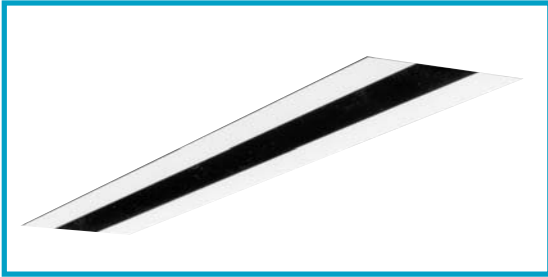
Accessories

- The Supply Plenum is model CXPB (p. A172).

Model Numbering System



Widebody™ Linear Return Diffuser, No Deflector (CF)



Application

Wide slot linear diffusers are used where architectural considerations require a linear diffuser, but the air flow is higher than can be handled by narrower slot units. The return unit with no deflector is used by itself for ducted or non-ducted return, or in series with supply units to provide a continuous run of linear that fulfills both supply and return functions.

Standard Features

- Extruded aluminum frame is attractive and strong.
- Slot width options:
1" 1-1/2" 2" 2-1/2" 3"
- Available in 1 or 2 slots as standard.
- Minimum length is 12"
- Maximum single unit length is 72" (6'). Units can be joined for continuous runs.
- Standard color is #37 Bright White face with Black interior.
- Choice of the following mounting methods:
Surface Mount
Surface Mount, Concealed Face
Suspended Ceiling Mount

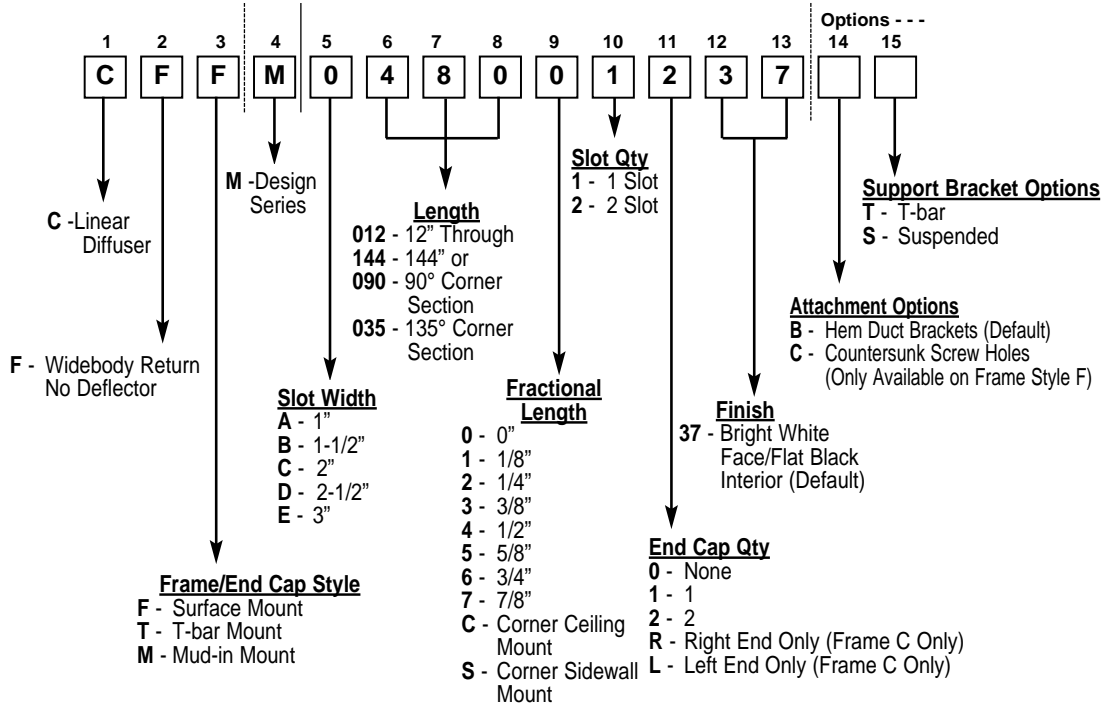
Optional Features

- Screw holes in the face (Opt. C) provide added versatility in mounting (p. A171).
- Units can be curved for mounting in flat ceiling along curved wall or in curved wall along flat ceiling.

Accessories

- The recommended Plenum is model CXPB (p. A172).

Model Numbering System



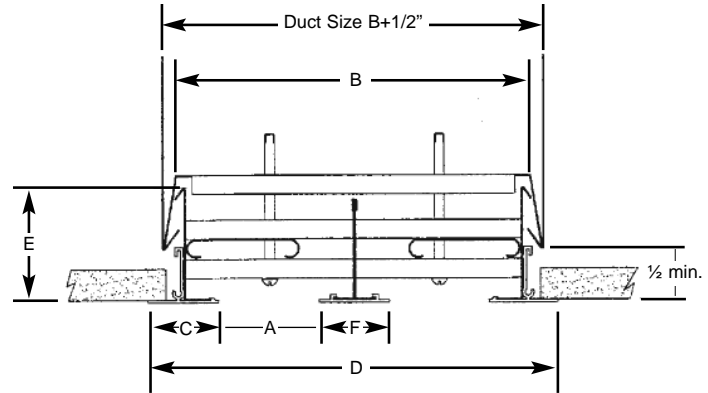
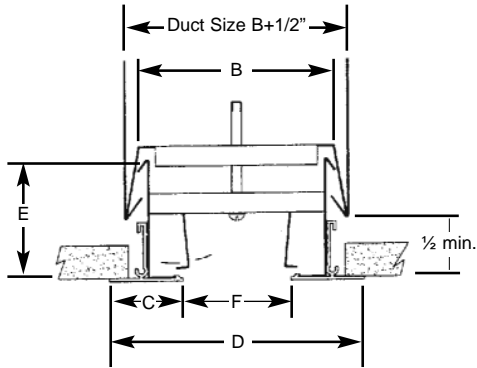
DIMENSIONAL DATA - Widebody™ Linear Diffuser - Surface Mount, Ceiling Center (CDFM, CEFM, CFFM)

Application:

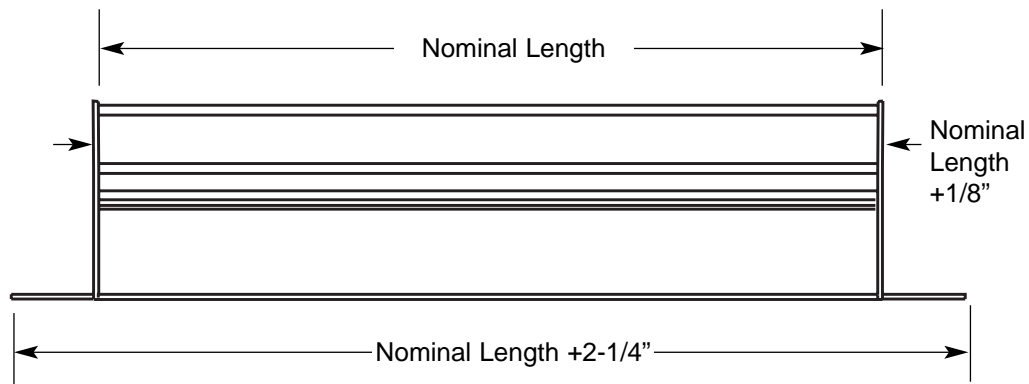
This mounting is used in a wall or ceiling where the flange covers the opening, and is visible. It is the most efficient mounting for plaster ceilings or walls because it allows the plenum and drywall to be installed before the diffuser.

Notes:

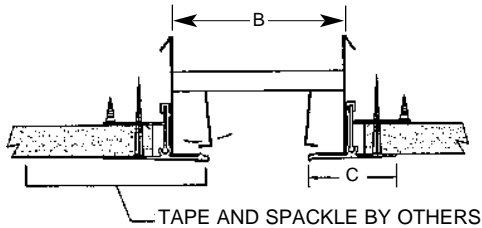
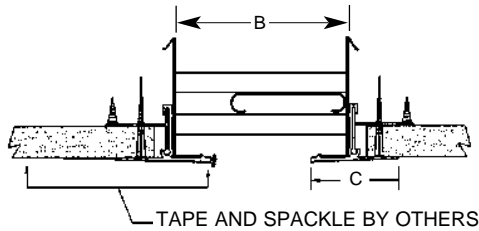
- Specify Frame style "F".



Dim.	Description	1-Slot Slot Width (A)					2-Slot Slot Width (A)				
		1"	1-1/2"	2"	2-1/2"	3"	1"	1-1/2"	2"	2-1/2"	3"
B	Neck O. D.	2-5/8"	3-1/8"	3-5/8"	5-1/2"	6"	5-1/8"	6-1/8"	7-1/8"	10-5/8"	11-5/8"
C	Flange Width	1-3/8"	1-3/8"	1-3/8"	2-1/16"	2-1/16"	1-3/8"	1-3/8"	1-3/8"	2-1/16"	2-1/16"
D	Face O. D.	3-3/4"	4-1/4"	4-3/4"	6-5/8"	7-1/8"	6-1/8"	7-1/8"	8-1/8"	11-3/4"	12-3/4"
E	Unit Height	2-1/4"	2-1/4"	2-1/4"	3"	3"	2-1/4"	2-1/4"	2-1/4"	3"	3"
F	Center Flange	---	---	---	---	---	1-3/8"	1-3/8"	1-3/8"	2-5/8"	2-5/8"



DIMENSIONAL DATA - Widebody™ Linear Diffuser- Surface Mount, Mud-In Frame (CDMM, CEMM, CFMM)



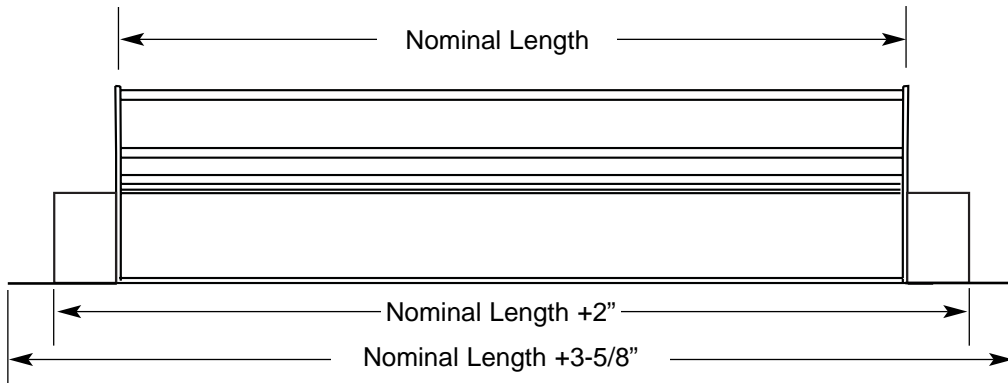
Application:

This mounting is used in a plaster ceiling or wall where the maximum concealment of the frame is desired. When installation is finished, only a slight line along the edge of the slot is visible.

Notes:

- Specify Frame/End Cap style "M".
- As with other models, when used with Carnes supply plenum CXPB, the plenum and drywall may be mounted before the diffuser is installed, but extra attention must be paid to job coordination. This diffuser may be installed after the drywall is installed, but must be installed before mudding.
- Opening should be nominal length +2".

Dim. Description	1-Slot Slot Width (A)					2-Slot Slot Width (A)				
	1"	1-1/2"	2"	2-1/2"	3"	1"	1-1/2"	2"	2-1/2"	3"
B Neck O. D.	2-3/4"	3-1/4"	3-3/4"	Contact Factory		Not recommended. Contact Factory for details.				
C Flange Width	1-5/8"	1-5/8"	1-5/8"	Contact Factory						
D Face O. D.	4-3/8"	4-7/8"	5-3/8"	Contact Factory						
E Unit Height	2-1/4"	2-1/4"	2-1/4"	Contact Factory						
F Center Flange	---	---	---	---	---					



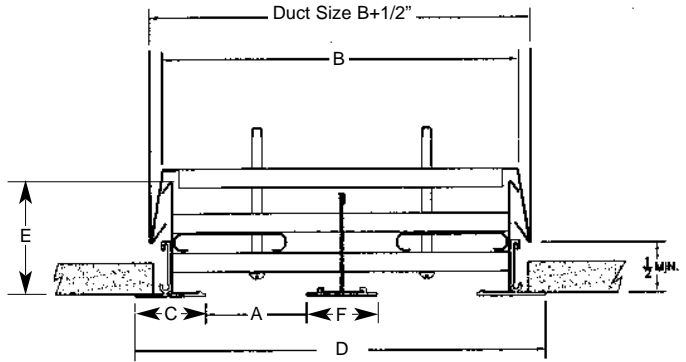
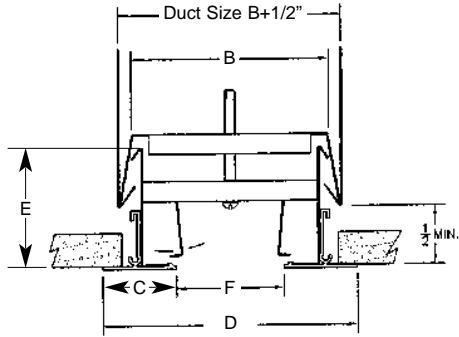
DIMENSIONAL DATA Widebody™ Linear Diffuser - T-bar Mount (CDTM, CETM, CFTM)

Application:

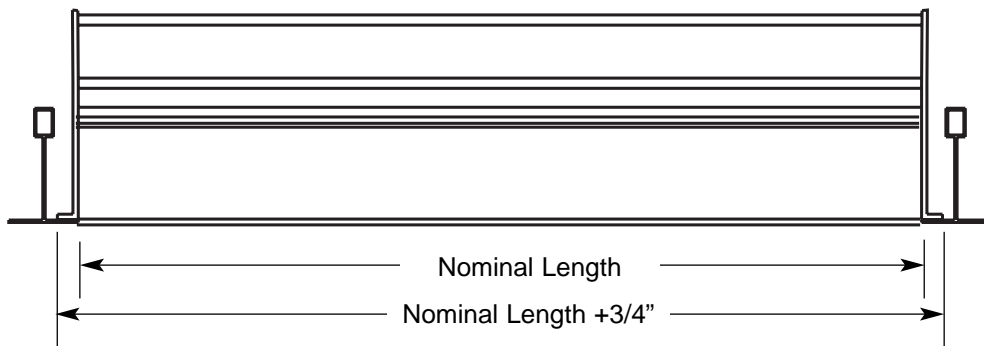
This mounting is used in a suspended ceiling where the grid system is 15/16" flat-face T-bar.

Notes:

- Specify Frame/End Cap style "T".



Dim. Description	1-Slot Slot Width (A)					2-Slot Slot Width (A)				
	1"	1-1/2"	2"	2-1/2"	3"	1"	1-1/2"	2"	2-1/2"	3"
B Neck O. D.	2-5/8"	3-1/8"	3-5/8"	5-1/2"	6"	5-1/8"	6-1/8"	7-1/8"	10-5/8"	11-5/8"
C Flange Width	1-3/8"	1-3/8"	1-3/8"	2-1/16"	2-1/16"	1-3/8"	1-3/8"	1-3/8"	2-1/16"	2-1/16"
D Face O. D.	3-3/4"	4-1/4"	4-3/4"	6-5/8"	7-1/8"	6-1/8"	7-1/8"	8-1/8"	11-3/4"	12-3/4"
E Unit Height	2-1/4"	2-1/4"	2-1/4"	3"	3"	2-1/4"	2-1/4"	2-1/4"	3"	3"
F Center Flange	---	---	---	---	---	1-3/8"	1-3/8"	1-3/8"	2-5/8"	2-5/8"



PERFORMANCE DATA - Widebody™ Linear Supply Diffuser with Standard Deflector (CD)

Correction Factors for Lengths Other than Shown.

Performance data is given for a 4-foot long diffuser. When other lengths are used, apply these corrections to the table data on the next page.

Length	2'	4'	6'	8'	10'	12'
NC/RC Correction (Add)	-2	0	+2	+3	+5	+6
Throw Correction (Multiply)	0.9	1.0	1.1	1.2	1.3	1.4

Correction Factors for Vertical Discharge Adjustment of Model CD.

Performance data is given for horizontal discharge. When the deflector is set for vertical discharge, apply these corrections to the table data on the next page.

NC/RC Correction (ADD)	-5
Throw Correction (MULTIPLY)	1.3

Correction Factors for Cold Air Performance.

Performance data is based on tests conducted in isothermal conditions. When 20°ΔT cooling conditions exist, horizontal throw (assuming the presence of a ceiling) is reduced by approximately 35%. To get horizontal throws corrected for 20° ΔT cooling conditions, multiply the table throw data by .65.

This correction does not apply in vertical discharge situations.

One
Slot

1"	Airflow per foot -->	20	40	60	80	100	120	140
	Static Pressure	0.014	0.056	0.125	0.223	0.352	0.508	0.699
	Sound (NC/RC)	--/--	21/19H	31/29N	39/36N	46/44N	51/51N	59/57N
	Throw	3-5-8	9-12-17	13-16-23	15-18-26	17-21-30	19-23-33	20-25-36
1-1/2"	Airflow per foot -->	30	45	60	75	90	105	120
	Static Pressure	0.020	0.046	0.082	0.130	0.188	0.258	0.338
	Sound (NC/RC)	11/10H	19/18H	26/24H	32/30N	37/34N	42/41N	46/45N
	Throw	5-8-13	11-13-19	13-15-22	14-17-25	16-20-28	17-21-30	18-22-32
2"	Airflow per foot -->	30	50	70	90	110	130	150
	Static Pressure	0.015	0.042	0.083	0.138	0.208	0.297	0.398
	Sound (NC/RC)	10/--	20/18N	28/27N	34/33N	40/38N	45/43N	49/48N
	Throw	5-7-12	16-20-29	14-17-24	15-19-27	16-20-29	18-22-32	16-25-35
2-1/2"	Airflow per foot -->	30	55	80	105	130	155	180
	Static Pressure	0.011	0.037	0.081	0.144	0.222	0.321	0.431
	Sound (NC/RC)	--/--	18/17H	26/24H	34/33N	40/39N	45/44N	49/48N
	Throw	3-6-10	10-14-20	14-18-25	16-20-28	18-22-32	19-24-34	21-26-37
3"	Airflow per foot -->	30	60	90	120	150	180	210
	Static Pressure	0.008	0.036	0.084	0.153	0.246	0.356	0.497
	Sound (NC/RC)	--/--	15/13H	24/22H	31/29H	37/36N	42/41N	46/45N
	Throw	2-5-8	11-14-20	14-17-25	17-20-29	19-23-33	20-25-36	22-27-39

Notes on Performance Data

- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Tests were conducted in isothermal conditions.
- Sound levels are based on a room absorption of 10 db re 10⁻¹² watts.

Notes on Units of Measure Used

- Air flow is given in cubic feet per minute (CFM).
- Static Pressure is given in inches of water (w.g.).
- Sound data is given in both NC and RC. NC is the first with RC second, separated by a slash.
- Throws are given in feet to terminal velocities of 150, 100 and 50 fpm, respectively.

PERFORMANCE DATA - Widebody™ Linear Supply Diffuser with Standard Deflector (CD)

Two Slot (1-Way Blow Pattern)

1" Slot		50	75	100	125	150	175	200
Airflow per foot -->								
Static Pressure		0.022	0.049	0.087	0.136	0.198	0.272	0.352
Sound (NC/RC)		15/14H	23/21H	30/28N	36/34N	41/38N	45/42N	49/47N
Throw		5-9-15	13-16-23	16-20-29	18-23-33	18-35-36	22-27-39	23-29-42
1-1/2" Slot		60	85	110	135	160	185	210
Airflow per foot -->								
Static Pressure		0.020	0.041	0.069	0.104	0.147	0.199	0.257
Sound (NC/RC)		14/13H	21/20H	27/25N	33/31N	37/35N	41/38N	45/43N
Throw		7-11-18	14-18-25	17-21-30	18-23-33	20-25-36	22-27-39	24-29-42
2" Slot		60	95	130	165	200	235	270
Airflow per foot -->								
Static Pressure		0.015	0.028	0.066	0.116	0.172	0.241	0.318
Sound (NC/RC)		13/12H	22/20N	29/27N	36/35N	40/39N	45/43N	49/47N
Throw		6-9-16	14-18-26	18-22-32	21-26-37	23-29-41	24-30-43	26-33-47
2-1/2" Slot		60	105	150	195	240	285	330
Airflow per foot -->								
Static Pressure		0.011	0.034	0.071	0.123	0.188	0.273	0.364
Sound (NC/RC)		12/10H	20/19H	28/26H	35/34N	41/40N	45/44N	49/48N
Throw		8-11-15	14-18-26	18-23-33	22-27-39	23-29-42	26-32-46	28-35-50
3" Slot		60	120	180	240	300	360	420
Airflow per foot -->								
Static Pressure		0.008	0.036	0.084	0.153	0.246	0.356	0.497
Sound (NC/RC)		--/--	18/16H	27/25H	34/32N	40/38N	45/44N	50/49N
Throw		5-8-12	16-20-28	20-25-35	23-29-41	26-32-46	29-36-51	31-39-55

Two Slot (2-Way Blow Pattern)

1" Slot		50	75	100	125	150	175	200
Airflow per foot -->								
Static Pressure		0.022	0.049	0.087	0.136	0.198	0.272	0.352
Sound (NC/RC)		15/14H	23/21H	30/28N	36/34N	41/38N	45/42N	49/47N
Throw		4-6-11	9-12-17	12-15-21	13-17-24	15-18-26	16-20-28	17-21-30
1-1/2" Slot		60	85	110	135	160	185	210
Airflow per foot -->								
Static Pressure		0.020	0.041	0.069	0.104	0.147	0.199	0.257
Sound (NC/RC)		14/13H	21/20H	27/25N	33/31N	37/35N	41/38N	45/43N
Throw		5-8-13	10-13-18	12-15-21	13-17-24	15-18-26	16-20-28	17-21-30
2" Slot		60	95	130	165	200	235	270
Airflow per foot -->								
Static Pressure		0.015	0.028	0.066	0.116	0.172	0.241	0.318
Sound (NC/RC)		13/12H	22/20N	29/27N	36/35N	40/39N	45/43N	49/47N
Throw		5-7-12	11-13-19	13-16-23	15-18-26	15-20-28	17-22-31	18-28-33
2-1/2" Slot		60	105	150	195	240	285	330
Airflow per foot -->								
Static Pressure		0.011	0.034	0.071	0.123	0.188	0.273	0.364
Sound (NC/RC)		12/10H	20/19H	28/26H	35/34N	41/40N	45/44N	49/48N
Throw		3-6-10	11-13-19	13-17-24	15-19-27	17-21-30	18-23-33	20-25-36
3" Slot		60	120	180	240	300	360	420
Airflow per foot -->								
Static Pressure		0.008	0.036	0.084	0.153	0.246	0.356	0.497
Sound (NC/RC)		--/--	18/16H	27/25H	34/32N	40/38N	45/44N	50/49N
Throw		2-5-8	11-14-20	14-17-25	17-20-29	29-23-33	20-25-36	22-27-39

Notes on Performance Data

- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Tests were conducted in isothermal conditions.
- Sound levels are based on a room absorption of 10db re 10⁻¹² watts.

Notes on Units of Measure Used

- Air flow is given in cubic feet per minute (CFM).
- Static Pressure is given in inches of water (w.g.).
- Sound data is given in both NC and RC. NC is the first with RC second, separated by a slash.
- Throws are given in feet to terminal velocities of 150, 100 and 50 fpm, respectively.

PERFORMANCE DATA - Widebody™ Linear Supply Diffuser with High Bay Deflector (CE)

Correction Factors for Lengths Other than Shown.

Performance data is given for a 4-foot long diffuser. When other lengths are used, apply these corrections to the table data on the next page.

Length	2'	4'	6'	8'	10'	12'
NC/RC Correction (Add)	-2	0	+2	+3	+5	+6
Throw Correction (Multiply)	0.9	1.0	1.1	1.2	1.3	1.4

One Slot Vertical Discharge	1" Slot	Airflow per foot -->	20	40	60	80	100	120	140
		Static Pressure	0.005	0.021	0.048	0.085	0.134	0.193	0.266
		Sound (NC/RC)	--/--	12/10H	19/17H	25/22N	29/27N	33/32N	38/37N
		Throw	2-3-6	4-7-14	7-10-19	9-13-22	11-18-25	13-20-27	15-21-30
1-1/2" Slot	Airflow per foot -->	30	60	90	120	150	180	210	
	Static Pressure	0.005	0.021	0.049	0.088	0.139	0.200	0.273	
	Sound (NC/RC)	--/--	11/10H	19/17H	25/23N	30/27N	35/34N	40/39N	
	Throw	3-5-11	6-9-19	9-12-23	10-16-27	12-18-30	15-23-33	17-26-36	
2" Slot	Airflow per foot -->	40	80	120	160	200	240	280	
	Static Pressure	0.004	0.026	0.061	0.107	0.169	0.252	0.358	
	Sound (NC/RC)	--/--	10/--	20/18N	27/25N	32/30N	37/35N	41/40N	
	Throw	4-6-13	7-11-21	10-14-26	12-18-30	13-20-34	16-24-37	19-29-41	
2-1/2" Slot	Airflow per foot -->	50	100	150	200	250	300	350	
	Static Pressure	0.007	0.028	0.066	0.120	0.190	0.275	0.378	
	Sound (NC/RC)	--/--	--/--	20/18N	26/25N	32/31N	36/35N	39/38N	
	Throw	5-8-15	8-12-23	10-15-28	12-19-33	14-22-41	19-28-41	23-32-44	
3" Slot	Airflow per foot -->	60	120	180	240	300	360	420	
	Static Pressure	0.008	0.032	0.075	0.135	0.216	0.313	0.435	
	Sound (NC/RC)	--/--	--/--	13/11H	25/23N	30/29N	33/32N	36/35N	
	Throw	6-8-16	8-12-24	10-15-30	13-20-35	14-23-39	20-30-44	24-34-47	

Two Slot Vertical Discharge	1" Slot	Airflow per foot -->	40	80	120	160	200	240	280
		Static Pressure	0.005	0.021	0.048	0.085	0.134	0.193	0.266
	Sound (NC/RC)	11/--	15/13H	22/20H	28/25N	32/30N	36/35N	41/40N	
	Throw	3-5-9	6-10-20	10-14-27	13-18-31	16-26-36	19-29-39	22-30-43	
1-1/2" Slot	Airflow per foot -->	60	120	180	240	300	360	420	
	Static Pressure	0.005	0.021	0.049	0.088	0.139	0.200	0.273	
	Sound (NC/RC)	--/--	14/13H	22/20H	28/26N	33/30N	38/37N	43/42N	
	Throw	5-7-16	9-13-27	13-17-33	15-23-39	17-26-43	21-33-47	24-41-59	
2" Slot	Airflow per foot -->	80	160	240	320	400	480	560	
	Static Pressure	0.004	0.026	0.061	0.107	0.169	0.252	0.358	
	Sound (NC/RC)	10/--	13/11H	23/21N	30/28N	35/33N	40/38N	44/43N	
	Throw	6-9-19	10-16-30	14-20-37	17-26-43	19-29-49	23-34-53	27-41-59	
2-1/2" Slot	Airflow per foot -->	100	200	300	400	500	600	700	
	Static Pressure	0.007	0.028	0.066	0.120	0.190	0.275	0.378	
	Sound (NC/RC)	10/--	13/12H	23/21N	29/28N	35/34N	39/38N	42/41N	
	Throw	7-11-21	12-17-33	15-21-40	17-27-47	20-31-53	27-40-59	33-46-63	
3" Slot	Airflow per foot -->	120	240	360	480	600	720	840	
	Static Pressure	0.008	0.032	0.075	0.135	0.216	0.313	0.435	
	Sound (NC/RC)	--/--	12/10H	16/14H	28/26N	33/32N	36/35N	39/38N	
	Throw	9-12-23	13-18-34	16-22-43	19-29-50	21-33-56	29-43-63	34-48-67	

Notes on Performance Data

- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Tests were conducted in isothermal conditions.
- Sound levels are based on a room absorption of 10db re 10⁻¹² watts.

Notes on Units of Measure Used

- Air flow is given in cubic feet per minute (CFM).
- Static Pressure is given in inches of water (w.g.).
- Sound data is given in both NC and RC. NC is the first with RC second, separated by a slash.
- Throws are given in feet to terminal velocities of 150, 100 and 50 fpm, respectively.

PERFORMANCE DATA - Widebody™ Linear Return Diffuser with No Deflector (CF)

One Slot

1"	Airflow per foot - - >	20	40	60	80	100	120	140
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	--/10H	21/21H	29/29N	35/35N	40/39N	45/45N
1-1/2"	Airflow per foot - - >	30	60	90	120	150	180	210
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	--/10H	21/21H	29/29N	35/35N	40/39N	45/45N
2"	Airflow per foot - - >	40	80	120	160	200	240	280
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	--/10H	21/21H	29/29N	35/35N	40/39N	45/45N
2-1/2"	Airflow per foot - - >	50	100	150	200	250	300	350
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	--/10H	21/21H	29/29N	35/35N	40/39N	45/45N
3"	Airflow per foot - - >	60	120	180	240	300	360	420
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	--/10H	21/21H	29/29N	35/35N	40/39N	45/45N

Two Slot

1"	Airflow per foot - - >	40	80	120	160	200	240	280
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	12/13H	24/24H	32/32N	38/38N	43/42N	48/48N
1-1/2"	Airflow per foot - - >	60	120	180	240	300	360	420
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	12/13H	24/24H	32/32N	38/38N	43/42N	48/48N
2"	Airflow per foot - - >	80	160	240	320	400	480	560
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	12/13H	24/24H	32/32N	38/38N	43/42N	48/48N
2-1/2"	Airflow per foot - - >	100	200	300	400	500	600	700
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	12/13H	24/24H	32/32N	38/38N	43/42N	48/48N
3"	Airflow per foot - - >	120	240	360	480	600	720	840
Slot	Negative Static Pressure	0.010	0.036	0.081	0.143	0.223	0.318	0.434
	Sound (NC/RC)	--/--	12/13H	24/24H	32/32N	38/38N	43/42N	48/48N

Notes on Performance Data

- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Tests were conducted in isothermal conditions.
- Sound levels are based on a room absorption of 10db re 10⁻¹² watts.

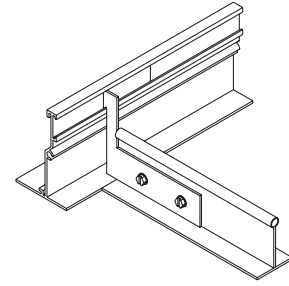
Notes on Units of Measure Used

- Air flow is given in cubic feet per minute (CFM).
- Static Pressure is given in inches of water (w.g.).
- Sound data is given in both NC and RC. NC is the first with RC second, separated by a slash.
- Throws are given in feet to terminal velocities of 150, 100 and 50 fpm, respectively.

**T-bar Side Bracket Option for Diffuser
(Option T)**

Application

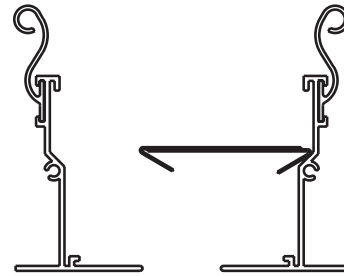
This slides into the accessory slot on the diffuser. It allows the butting of a piece of T-bar into the side of the diffuser in a suspended ceiling application, integrating the diffuser into the ceiling system and reducing the need for special ceiling grid work.



**Suspension Bracket Option for Diffuser
(Option S)**

Application

This slides into the accessory slot on the diffuser. It allows the direct attachment of suspension wires to the diffuser.



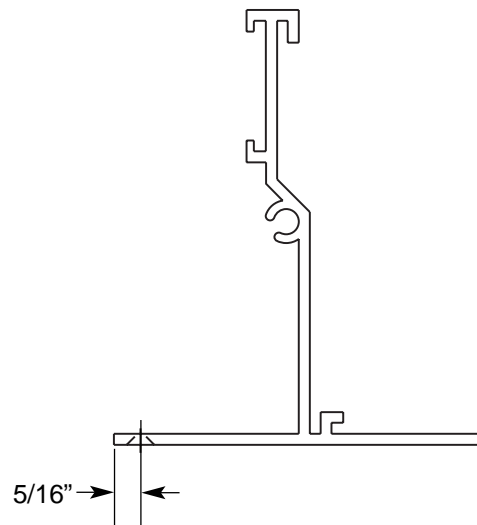
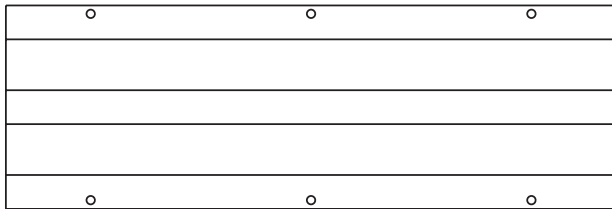
**Countersunk Screw Hole Option for Diffuser
(Option C)**

Application

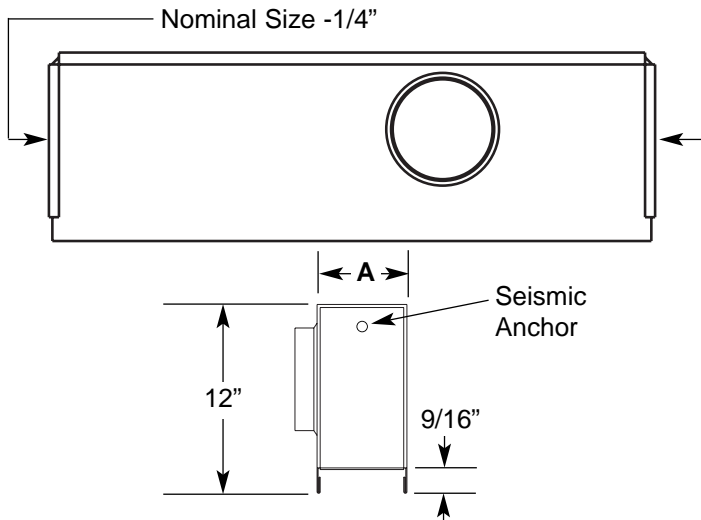
Certain mountings may require fastening via screw holes through the flanges at the face. This options provides those screw holes.

Notes

- This option is only available on Frame Style F.
- Screw holes are countersunk for flush appearance.
- Screws provided are # 6 x 5/8" counter sunk head sheet metal screws.



Supply Plenum for Widebody™ Linear Diffuser (CXPB)



Slot Qty	Slot Width	Dim A
1-Slot	1"	4-1/8"
	1-1/2"	4-5/8"
	2"	5-1/8"
	2-1/2"	6-5/8"
	3"	7-1/8"
2-Slot	1"	7-9/16"
	1-1/2"	8-9/16"
	2"	9-9/16"
	2-1/2"	12-9/16"
	3"	13-9/16"

Application

Supply plenums are used to deliver conditioned air from the duct system to the diffuser for proper air distribution. They enable the diffuser to function as a ducted return unit as well.

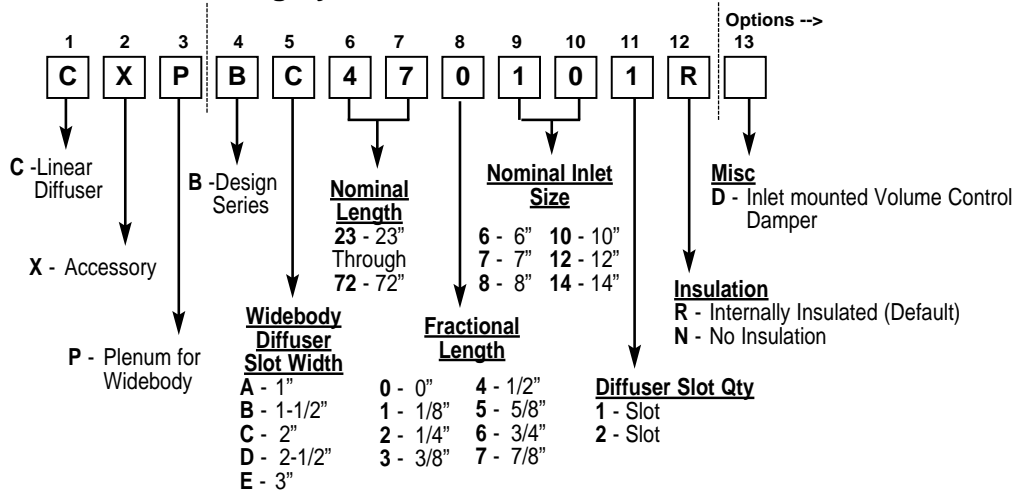
Standard Features

- Construction is electrogalvanized steel.
- Plenum is hemmed for easy mounting of diffuser.
- Internal matte finish fiberglass insulation (1/2", 4 lb. density).
- Minimum length is 12".
- Maximum single unit length is 72" nominal length.
- Plenum is 1/4" shorter than the diffuser to prevent mounting interference in a continuous run application.
- Plenum has seismic anchors at each end as standard.
- Standard inlet sizes 6", 7", 8", 10", 12" and 14".
- Inlet diameter is 1/8" undersized to fit inside flex duct.
- Inlet is round for sizes 8" and smaller.
- Inlet is ovalized to 8" height for nominal sizes larger than 8".

Optional Features

- Inlet mounted volume damper (Option D).
- Non-Insulated plenum.

Model Numbering System



Inlet Mounted Damper Option for Plenum (Option D)

Application

This damper mounted in the inlet of the plenum to adjust the air flow to the diffuser. It provides fine tuning to complement the majority of the balancing from dampers placed further upstream.

Standard Features

- Damper is accessible from the face of the diffuser.

