TAWREED

TAWREED TRADING & CONTRACTING · DUCT FACTORY IN QATAR SINCE 2012

TECHNICAL DATA SHEET // AIR OUTLETS

Linear Slot Diffuser – Supply & Return

ديفيوزر شق خطي – توريد وراجع

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DOCUMENT

14 pages, extracted from:
Technical Submittal - Air Outlet, p. 19–31
Revision 01 · October 2026

CONTACT · REQUEST A QUOTE

Phone / WhatsApp: +974 7097 0111 Email: hvac@tawreed.ltd
Factory: Zone 91, Street 3138, Building 66, Birkat Al Awamer, Qatar
Web: tawreed.ltd Hours: Sat–Thu, 9am–5pm

Data supplied for submittal and specification purposes. Values are nominal;
confirm project-specific requirements with Tawreed before ordering.

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SUPPLY AIR LINEAR SLOT DIFFUSER

CONSTRUCTION:
Frame & Blades: High quality extruded aluminium profiles.
Frame width: 34mm standard.
Damper: Hit and miss damper.
Slot width: 20mm as standard. 16mm, 25mm and non standardsizes available as option.

Number of slots available: 5,6,7,8 ,1,2,3,4. Length: Up to 5.8mt available in a single piece.
Optional accessories: Plenum box either un-lined, internally insulated or externally insulated.

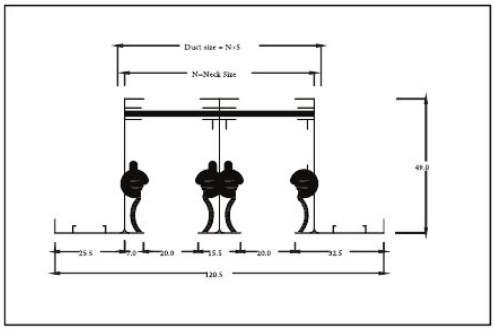
Description:



• Frame and deflection blades are made of high quality extruded aluminium profiled construction with the advantages of corrosion resistance and rigidity.

• Air distribution can be changed vertically or horizontally by means of deflection blades without changing the air flow rate. These blades can be fully adjusted from face opening.

• Air flow rate can be adjusted by fixing hit and miss damper at the rear side of the diffuser. Damper blades are adjustedfrom the face opening.



• Dampers are designed in a unique way that it can be used as an equalizing grid.

• Positive alignment of adjacent sections can be made by using alignment strips.
• Suitable for installation for ceiling and sills.

Standard finishes:

• Natural aluminium MILL finish.
• Powder coated colour finish as per RAL colour code.
• Flexibility of finish available

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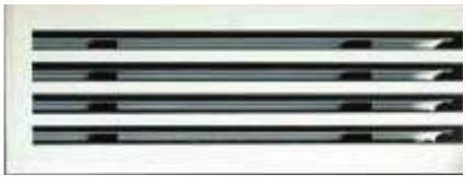
RETURN AIR LINEAR SLOT DIFFUSER

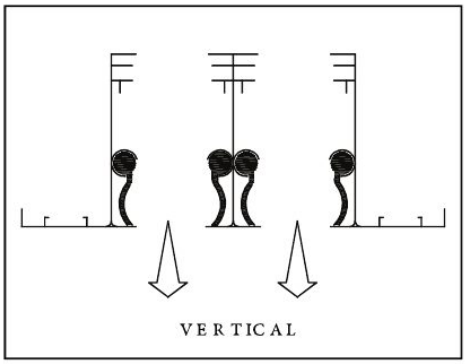
CONSTRUCTION:
Frame & Blades: High quality extruded aluminium profiles.
Frame width: 34mm standard. 20mm also available.
Damper: Hit and miss damper.
Slot width: 20mm as standard. 16mm, 25mm

Frame & Blades: High quality extruded aluminium profiles.
Frame width: 34mm standard. 20mm also available.
Damper: Hit and miss damper.
Slot width: 20mm as standard. 16mm, 25mm

Description:

- Frame and deflection blades are made of high quality extruded aluminium profiled construction with the advantages of corrosion resistance and rigidity.
- Positive alignment of adjacent sections can be made by using alignment strips that are provided with each diffuser.
- Structure is manufactured by mechanical assembly to ensure rigidity and straight line appearance.
- Available with out hit and miss damper as standard. Damper will be provided as option.
- Suitable for installation into ceiling and sills.





Standard finishes:

- Natural aluminium MILL finish.
- Powder coated colour finish as per RAL colour code.
- Flexibility of finish available.

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SLOT DIFFUSER DIMENSIONS IN MM

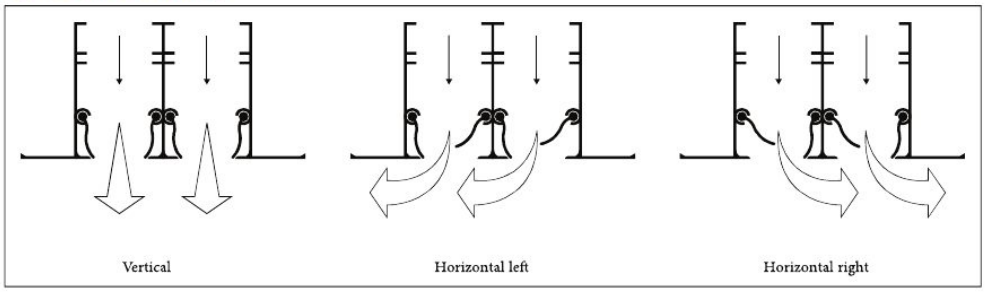
SLOT DIFFUSER DIMENSIONS IN MM

• 16MM SLOT OPENING								
No. of slots	1	2	3	4	5	6	7	8
Neck size in mm	30	62	93	125	156	188	219	251
Duct size in mm	35	67	98	130	161	193	124	256
Overall size	81	113	144	176	207	239	270	302

• 20MM SLOT OPENING								
No. of slots	1	2	3	4	5	6	7	8
Neck size in mm	34	70	105	141	176	212	247	283
Duct size in mm	39	80	110	146	181	217	252	288
Overall size	85	212	156	191	227	263	298	334

• 25MM SLOT OPENING								
No. of slots	1	2	3	4	5	6	7	8
Neck size in mm	39	80	120	161	201	242	282	333
Duct size in mm	44	85	125	166	206	247	287	338
Overall size	89	131	171	212	247	239	333	374

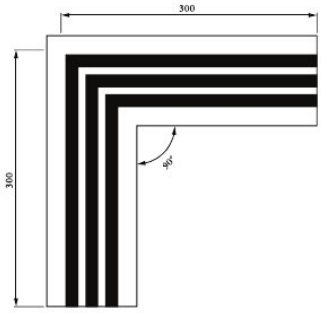
POSSIBLE AIR DELIVERIES



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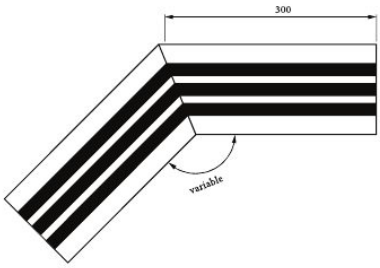
OPTIONAL MITERED CORNERS & FLANGE MODELS

Optional mitered corners:



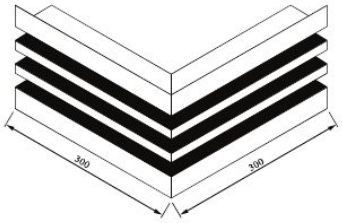
7 a. 90° Mitered corner

Standard go 0 horizontal mitered corners available for floor, sill and ceiling applications.



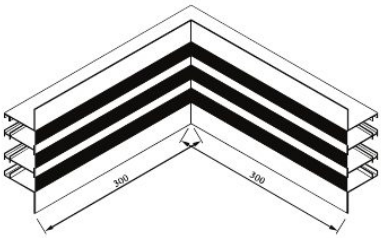
7 b. Variable mitered corner

Special horizontal mitered corners selection available for floor, sill and ceiling applications includes an angle greater than go and less than 180°.



7 c. Side wall - outside corner

Vertical outside mitered corners are available for wall application at the junction of two outside walls with a standard angle of go



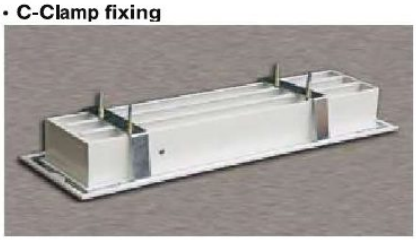
7 d. Side wall - inside corner

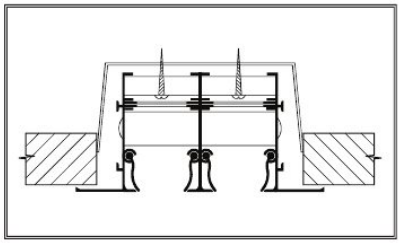
Vertical inside mitered corners are available for wall application at the junction of two inside walls with a standard angle of go.

OPTIONAL PROFILES & FIXING DETAILS

Fixing details

• C-Clamp fixing





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Supply Linear Slot Diffuser 16 mm Slot width

TABLE 3.1 AIR FLOW DATA

Number of slots A_k in m²	Air flow rate per meter length Cfm	m³/sec	Face Velocity m/sec	Throw in meters	P_s in mm H_2O	Noise Criteria (NC)
	30	0.014	1.94	2.5 - 1.5 - 0.4	0.51	<15
1	50	0.024	3.33	4.1 - 2.5 1.4-	1.34	18
	75	0.035	4.86	5.6 - 3.8 - 2.3	2.62	29
	100	0.047	6.53	6.8 - 4.7 - 3.3	4.41	36
0.0072	125	0.059	8.19	7.4 - 5.0 - 3.8	5.10	40
	150	0.071	9.86	8.1 - 5.8 - 4.4	7.42	43
	50	0.024	1.71	3.0 - 1.6 - 0.6	0.65	<15
2	75	0.035	2.50	3.7 - 2.0 - 0.9	1.19	17
	100	0.047	3.36	4.3 - 2.5 - 1.3	1.95	21
	125	0.059	4.21	5.3 - 3.7 - 1.9	2.83	29
0.014	150	0.071	5.07	6.2 - 4.4 - 2.8	3.95	33
	200	0.094	6.71	7.3 - 4.9 - 3.5	6.57	41
	100	0.047	2.24	3.5 - 1.9 - 0.8	0.96	17
3	125	0.059	2.81	3.9 - 2.2 - 1.1	1.42	21
	150	0.071	3.38	4.9 - 2.8 - 1.7	2.36	25
	175	0.083	3.95	5.3 - 3.4 - 2.1	3.11	30
0.021	200	0.094	4.48	5.9 - 3.9 - 2.4	3.91	36
	250	0.118	5.62	6.9 - 5.2 - 3.3	5.38	39
	125	0.059	2.11	3.6 - 2.0 - 0.9	0.84	17
4	150	0.071	2.53	3.9 - 2.3 - 1.3	1.49	22
	175	0.083	2.96	4.4 - 3.1 - 1.9	2.0	25
	200	0.094	3.36	5.2 - 3.4 - 2.2	2.73	29
0.028	250	0.120	4.28	5.9 - 4.1 - 2.7	4.03	34
	300	0.142	5.07	6.4 - 4.9 - 3.2	5.0	38

- Data based on one meter length of the diffuser with damper fully opened.
- Face velocity is measured in m/sec.
- P5: Static pressure loss is in mm of H20. Area factor in square meters.
- Throw (meters) is measured for terminal velocities of 0.75 & 0.5 ,0.25 m/sec.
- NC based on a room attenuation of 10 dB.

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Supply Linear Slot Diffuser 16 mm Slot width

TABLE 3.1 (CONT.) AIR FLOW DATA

Number of slots A_k in m^2	Air flow rate per meter length		Face Velocity	Throw in meters	P_s in mm H_2O	Noise Criteria
	Cfm	m^3/sec	m/sec			(NC)
	150	0.071	1.97	3.7 - 2.1 -1.0	1.16	16
5	200	0.094	2.61	4.1 - 2.5 - 1.5	1.71	23
	250	0.118	3.28	5.2 - 3.4 - 2.2	2.73	29
	300	0.142	3.94	6.0 - 4.2 - 2.8	3.96	32
0.036	350	0.165	4.58	6.4 - 4.9 - 3.2	4.63	35
	400	0.189	5.25	7.3 - 5.5 - 3.7	5.38	39
	200	0.094	2.19	3.9 - 2.4 - 1.3	1.37	18
6	250	0.118	2.74	4.7 - 2.8 - 1.7	1.61	24
	300	0.142	3.30	5.6 - 3.6 - 2.5	2.46	30
	350	0.165	3.84	6.3 - 4.4 - 3.0	3.53	33
0.043	400	0.189	4.39	6.7 - 5.2 - 3.5	4.48	36
	500	0.236	5.49	7.9 - 5.6 - 4.1	5.77	41
	250	0.118	2.41	4.2 - 2.5 - 1.4	1.61	20
7	300	0.142	2.90	4.9 - 3.1 - 1.9	1.82	25
	350	0.165	3.37	5.9 - 3.8 - 2.6	2.58	29
	400	0.189	3.86	6.5 - 4.7 - 3.2	3.68	32
0.049	500	0.236	4.82	7.1 - 5.3 - 3	5.0	37
	600	0.283	5.77	8.3 - 5.9 - 4.3	6.06	42
	350	0.165	2.89	5.1 - 3.2 - 2.2	2.02	24
8	400	0.189	3.31	6.0 - 3.9 - 2.7	2.15	30
	450	0.213	3.74	6.6 - 4.8 - 3.3	3.02	32
	500	0.236	4.14	7.0 - 5.2 - 3.6	3.89	35
0.057	600	0.283	4.96	8.3 - 5.6 - 4.2	5.16	39
	700	0.331	5.81	8.7 - 6.1 - 4.5	6.27	42

- Data based on one meter length of the diffuser with damper fully opened.
- Face velocity is measured in m/sec.
- P5: Static pressure loss is in mm of H20. Area factor in square meters.
- Throw (meters) is measured for terminal velocities of 0.75 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.

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SUPPLY LINEAR SLOT DIFFUSER 25mm Slot width

TABLE 3.2 AIR FLOW DATA

Number of slots A_k in m^2	Air flow rate per meter length Cfm	m^3/sec	Face Velocity m/sec	Throw in meters	P_s in mm H_2O	Noise Criteria (NC)
	75	0.035	3.02	5.3 - 3.2 - 1.9	0.78	16
1	100	0.047	4.05	6.6 - 4.6 - 2.8	1.53	25
	125	0.059	5.09	7.7 - 5.3 - 3.9	2.53	29
	150	0.071	6.12	8.4 - 6.3 - 4.8	3.79	33
0.0116	175	0.083	7.15	9.4 - 7.2 - 5.5	4.05	36
	200	0.094	8.10	10.5 - 8.2 - 6.1	5.49	40
	125	0.059	2.52	5.6 - 3.2 - 1.6	0.94	<15
2	150	0.071	3.03	6.6 - 4.1 - 2.2	1.36	17
	175	0.083	3.55	7.4 - 5.0 - 3.2	1.91	24
	200	0.094	4.02	7.7 - 5.6 - 4.5	2.13	28
0.0234	250	0.118	5.04	8.8 - 6.6 - 5.2	2.75	34
	300	0.142	6.07	10.0 - 7.9 - 6.0	3.93	39
	150	0.071	2.03	4.9 - 2.9 - 1.2	0.83	<15
	200	0.094	2.68	5.6 - 3.6 - 2.2	1.28	17
3	225	0.106	3.03	6.9 - 4.3 - 3.3	1.96	22
	250	0.118	3.37	7.7 - 5.3 - 3.9	2.13	27
0035	300	0.142	4.06	8.8 - 6.3 - 4.6	2.73	32
	350	0.165	4.71	10.0 - 7.4 - 5.2	3.71	36
	400	0.189	5.40	10.6 - 7.9 - 5.6	4.15	40
	200	0.094	1.96	5.6 - 3.6 - 1.9	0.72	<15
	250	0.118	2.46	6.3 - 4.3 - 2.8	1.39	17
4	300	0.142	2.96	7.0 - 4.9 - 3.6	1.92	22
	350	0.165	3.44	7.7 - 5.5 - 4.2	2.64	28
	400	0.189	3.94	8.7 - 6.6 - 4.9	2.97	32
0.048	450	0.213	4.44	9.5 - 7.2 - 5.4	3.42	35
	500	0.236	4.92	10.0 - 7.7 - 6.0	4.18	38
	550	0.26	5.42	10.9 - 8.4 - 6.5	4.63	41

- Data based on one meter length of the diffuser with damper fully opened.
- Face velocity is measured in m/sec.
- P5: Static pressure loss is in mm of H20. Area factor in square meters.
- Throw (meters) is measured for terminal velocities of 0.75 & 0.5 ,0.25 m/sec.
- NC based on a room attenuation of 10 dB.

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SUPPLY LINEAR SLOT DIFFUSER 25mm Slot width

TABLE 3.2 (cont.) AIR FLOW DATA

Number of slots A_k in m^2	Air flow rate per meter length Cfm	m^3/sec	Face Velocity m/sec	Throw in meters	P_s in mm H_2O	Noise Criteria (NC)
	300	0.142	2.45	6.6 - 4.5 - 3.5	1.42	17
	350	0.165	2.84	6.9 - 4.9 - 3.6	2.17	23
5	400	0.189	3.26	7.4 - 5.2 - 3.9	2.72	26
	450	0.213	3.67	8.0 - 5.9 - 4.5	3.14	31
	500	0.236	4.07	8.8 - 6.7 - 5.2	3.68	33
0.058	550	0.260	4.48	96 - 7.5 - 5.8	4.10	36
	600	0.283	4.88	10.6 - 8.4 - 6.6	4.46	38
	650	0.307	5.29	11.6 - 8.8 - 7.1	4.73	41
	350	0.165	2.32	6.9 - 5.2 - 3.8	1.49	17
	400	0.189	2.66	7.6 - 5.6 - 4.2	1.84	21
6	450	0.213	3.0	8.0 - 5.9 - 4.5	2.21	24
	500	0.236	3.32	8.8 - 6.3 - 4.9	2.94	28
0.071	600	0.283	3.98	9.2 - 6.8 - 5.2	3.69	32
	700	0.331	4.66	10.7 - 8.4 - 6.5	4.26	37
	800	0.378	5.32	12.0 - 9.1 - 7.4	5.13	41
	400	0.189	2.30	7.0 - 5.3 - 4.0	1.51	17
	450	0.213	2.60	7.8 - 5.9 - 4.5	1.93	22
7	500	0.236	2.88	7.9 - 6.2 - 4.7	2.23	24
	600	0.283	3.45	9.0 - 6.6 - 5.3	3.14	29
0082	700	0.331	4.04	9.6 - 7.1 - 5.6	3.97	34
	800	0.378	4.61	11.0 - 8.9 - 7.0	4.47	38
	900	0.425	5.18	12.2 - 9.4 - 7.5	5.34	42
	500	0.236	2.51	7.2 - 5.6 - 4.2	1.82	18
8	600	0.283	3.01	8.5 - 6.3 - 5.0	3.05	28
	700	0.331	3.52	9.3 - 6.8 - 5.5	3.18	31
	800	0.378	4.02	9.8 - 7.4 - 6.0	4.12	35
0.094	900	0.425	4.52	11.3 - 9.2 - 7.3	4.63	39
	1000	0.472	5.02	12.5 - 9.6 - 7.8	5.34	43

- Data based on one meter length of the diffuser with damper fully opened.
- Face velocity is measured in m/sec.
- P5: Static pressure loss is in mm of H20. Area factor in square meters.
- Throw (meters) is measured for terminal velocities of 0.75 & 0.5 ,0.25 m/sec.
- NC based on a room attenuation of 10 dB.

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Supply Linear Slot Diffuser 20 mm Slot width

TABLE 3.3 AIR FLOW DATA

Number of slots A_k in m^2	Air flow rate per meter length		Face Velocity	Throw in meters	P_s in mm H_2O	Noise Criteria
	Cfm	m^3/sec	m/sec			(NC)
	50	0.024	2.61	3.6 - 2.1 - 0.6	0.65	<15
1	75	0.035	3.80	4.9 - 3.0 - 1.8	1.44	18
	100	0.047	5.11	6.1 - 4.3 - 2.7	2.55	30
	125	0.059	6.41	7.0 - 4.9 - 3.7	3.97	35
0.0092	150	0.071	7.72	7.6 - 5.8 - 4.6	4.37	38
	175	0.083	9.02	8.5 - 6.7 - 5.2	6.12	41
	100	0.047	2.61	4.3 - 2.4 - 0.6	0.97	<15
2	125	0.059	3.28	5.2 - 3.0 - 1.5	1.47	20
	150	0.071	3.94	6.1 - 3.9 - 2.1	2.12	28
	175	0.083	4.61	6.7 - 4.6 - 3.0	2.87	30
0.018	200	0.094	5.22	7.0 - 5.2 - 4.3	3.73	33
	250	0.118	6.55	7.9 - 6.1 - 4.9	5.78	39
	125	0.059	2.11	4.2 - 2.2 - 0.7	0.86	<15
3	150	0.071	2.53	4.9 - 2.9 - 1.4	1.21	18
	200	0.094	3.36	5.5 - 3.7 - 2.4	2.17	25
	225	0.106	3.78	6.5 - 4.4 - 3.3	2.73	29
0.028	250	0.118	4.21	7.6 - 5.3 - 4.0	3.34	34
	300	0.142	5.07	8.6 - 6.2 - 4.7	4.37	37
	150	0.071	1.91	4.6 - 2.7 - 1.1	0.72	<15
4	200	0.094	2.53	5.4 - 3.6 - 2.0	1.39	21
	250	0.118	3.17	6.1 - 4.5 - 3.1	1.98	25
	300	0.142	3.82	6.7 - 5.2 - 3.9	2.85	30
0.0372	350	0.165	4.43	7.9 - 5.6 - 4.5	3.84	35
	400	0.189	5.08	8.8 - 6.7 - 5.2	4.51	38

- Data based on one meter length of the diffuser with damper fully opened.
- Face velocity is measured in m/sec.
- P5: Static pressure loss is in mm of H20. Area factor in square meters.
- Throw (meters) is measured for terminal velocities of 0.75 & 0.5 ,0.25 m/sec.
- NC based on a room attenuation of 10 dB.

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Supply Linear Slot Diffuser 20 mm Slot width

TABLE 3.3 (cont.) AIR FLOW DATA

Number of slots A_k in m²	Air flow rate per meter length Cfm	m³/sec	Face Velocity m/sec	Throw in meters	P_s in mm H_2O	Noise Criteria (NC)
	250	0.118	2.54	5.8 - 4.3 - 2.7	1.43	22
5	300	0.142	3.05	6.4 - 4.9 - 3.6	1.89	24
	350	0.165	3.55	6.8 - 5.3 - 3.7	2.79	29
	400	0.189	4.06	7.7 - 5.5 - 4.1	3.78	34
0.0465	450	0.213	4.58	8.5 - 5.9 - 4.7	4.25	35
	500	0.236	5.07	9.1 - 6.3 - 5.2	4.72	38
	300	0.142	2.53	6.1 - 4.3 - 2.9	1.51	22
6	350	0.165	2.95	6.6 - 5.2 - 3.9	1.64	24
	400	0.189	3.37	7.3 - 5.5 - 4.3	2.33	28
	450	0.213	3.80	7.6 - 5.8 - 4.6	3.21	31
0.056	500	0.236	4.21	8.2 - 6.1 - 4.8	3.91	35
	600	0.283	5.05	9.2 - 6.7 - 5.3	4.78	40
	350	0.165	2.54	6.1 - 4.3 - 2.9	1.62	22
7	400	0.189	2.91	6.7 - 5.1 - 3.8	1.72	25
	450	0.213	3.28	7.0 - 5.3 - 4.0	2.33	28
	500	0.236	3.63	7.4 - 6.2 - 4.7	3.18	30
0.065	600	0.283	4.35	8.6 - 6.7 - 5.0	4.10	36
	700	0.331	5.09	9.4 - 7.2 - 5.6	4.82	40
	400	0.189	2.49	6.1 - 4.6 - 3.7	1.66	22
8	450	0.213	2.80	6.7 - 5.1 - 3.8	1.72	25
	500	0.236	3.10	7.1 - 5.6 - 4.3	2.34	29
	600	0.283	3.72	7.6 - 6.4 - 4.7	3.24	31
0.076	700	0.331	4.35	8.8 - 7.2 - 5.4	4.20	37
	800	0.378	4.97	9.7 - 7.8 - 5.9	4.83	40

- Data based on one meter length of the diffuser with damper fully opened.
- Face velocity is measured in m/sec.
- P5: Static pressure loss is in mm of H20. Area factor in square meters.
- Throw (meters) is measured for terminal velocities of 0.75 & 0.5 ,0.25 m/sec.
- NC based on a room attenuation of 10 dB.

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RETURN LINEAR SLOT DIFFUSER 20mm Slot width

TABLE 3.4 AIR FLOW DATA

No. of slots							
1	CFM/m	100	150	200	250	300	350
	M³/sec/m	0.047	0.071	0.094	0.118	0.142	0.165
	Neg P_s	0.61	1.37	2.41	3.81	5.46	7.37
	NC	<15	19	28	36	42	48
2	CFM m	250	300	350	400	450	500
	M³/sec/m	0.118	0.142	0.165	0.189	0.212	0.236
	Neg P_s	1.02	1.47	2.03	2.62	3.30	4.06
	NC	17	22	27	32	36	40
3	CFM/m	350	400	450	500	600	700
	M³/sec/m	0.165	0.189	0.212	0.236	0.283	0.331
	Neg P_s	1.04	1.35	1.68	2.08	2.97	4.01
	NC	17	22	25	30	34	40
4	CFM/m	400	500	600	700	800	900
	M³/sec/m	0.189	0.236	0.283	0.331	0.378	0.425
	Ne P_s	0.76	1.19	1.73	2.36	3.25	4.06
	NC	15	21	26	30	35	40
5	CFM/m	500	600	700	800	1000	1200
	M³/sec/m	0.236	0.283	0.331	0.378	0.472	0.567
	Neg P_s	0.76	1.12	1.52	1.96	3.05	4.37
	NC	15	22	27	30	35	42
6	CFM/m	600	700	800	1000	1200	1400
	M³/sec/m	0.283	0.331	0.378	0.472	0.567	0.66
	Neg P_s	0.83	1.08	1.78	2.18	3.53	4.75
	NC	17	24	29	31	37	43
7	CFM/m	700	800	1000	1200	1400	1600
	M³/sec/m	0.331	0.378	0.472	0.567	0.66	0.76
	Neg P_s	0.93	1.13	1.83	2.36	3.66	4.75
	NC	18	25	30	33	38	43
8	CFM/m	800	900	1100	1300	1500	1700
	M³/sec/m	0.378	0.425	0.52	0.61	0.71	0.8
	Neg P_s	1.02	1.13	96	2.45	3.87	4.93
	NC	18	25	32	35	40	45

- Data based on one meter length of the diffuser with damper fully opened.
- Face velocity is measured in m/sec.
- P5: Static pressure loss is in mm of H20. Area factor in square meters.
- Throw (meters) is measured for terminal velocities of 0.75 & 0.5 ,0.25 m/sec.
- NC based on a room attenuation of 10 dB.

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RETURN LINEAR SLOT DIFFUSER 25mm Slot width

TABLE 3.5 AIR FLOW DATA

No. of slots							
1	CFM/m	100	150	200	250	300	350
	M^3/sec/m	0.047	0.071	0.094	0.118	0.142	0.165
	Neg P_s	0.51	1.13	1.98	3.09	4.4	5.89
	NC	<15	18	26	33	38	45
2	CFM/m	250	300	350	400	450	500
	M^3/sec/m	0.118	0.142	0.165	0.189	0.213	0.236
	Neg P_s	0.85	1.22	1.67	2.13	2.66	3.25
	NC	<15	21	25	29	33	37
3	CFM/m	350	400	450	500	600	700
	M^3/sec/m	0.165	0.189	0.213	0.236	0.283	0.331
	Neg P_s	0.87	1.11	1.37	1.69	2.39	3.21
	NC	16	21	23	28	31	37
4	CFM/m	400	500	600	700	800	900
	M^3/sec/m	0.189	0.236	0.283	0.331	0.378	0.425
	Neg P_s	0.64	0.99	1.42	1.92	2.62	3.25
	NC	<15	20	24	28	32	37
5	CFM/m	500	600	700	800	1000	1200
	M^3/sec/m	0.236	0.283	0.331	0.378	0.472	0.567
	Ne P_s	0.64	0.92	1.25	1.59	2.46	3.49
	NC	<15	21	25	27	32	39
6	CFM/m	600	700	800	1000	1200	1400
	M^3/sec/m	0.283	0.331	0.378	0.472	0.567	0.66
	Neg P_s	0.67	0.83	1.39	1.77	3.85	3.8
	NC	16	23	27	28	34	40
7	CFM/m	700	800	1000	1200	1400	1600
	M^3/sec/m	0.331	0.378	0.472	0.567	0.66	0.76
	Neg P_s	0.75	0.91	1.48	1.92	2.95	3.8
	NC	17	24	28	29	35	40
8	CFM/m	800	900	1100	1300	1500	1700
	M^3/sec/m	0.378	0.425	0.52	0.61	0.71	0.8
	Neg P_s	0.83	0.91	1.56	1.99	3.12	3.94
	NC	17	24	30	32	37	42

- Data based on one meter length of the diffuser.
- NC based on a room attenuation of 10 dB.
- Ps Static pressure loss is in mm of water

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RETURN LINEAR SLOT DIFFUSER 16mm Slot width

TABLE 3.6 AIR FLOW DATA

No. of slots							
1	CFM/m	100	150	200	250	300	350
	M³/sec/m	0.047	0.071	0.094	0.118	0.142	0.165
	Neg P_s	0.7	1.59	2.82	4.49	6.49	8.84
	NC	17	21	30	38	45	52
2	CFM/m	250	300	350	400	450	500
	M³/sec/m	0.118	0.142	0.165	0.189	0.213	0.236
	Neg P_s	1.17	1.71	2.38	3.09	3.93	4.88
	NC	20	26	31	37	42	46
3	CFM/m	350	400	450	500	600	700
	M³/sec/m	0.165	0.189	0.213	0.236	0.283	0.331
	Neg P_s	1.19	1.56	1.96	2.42	3.54	4.82
	NC	20	26	29	34	40	46
4	CFM/m	400	500	600	700	800	900
	M³/sec/m	0.189	0.236	0.283	0.331	0.378	0.425
	Neg P_s	0.88	1.38	2.02	2.78	3.87	4.88
	NC	17	25	30	35	41	47
5	CFM/m	500	600	700	800	1000	1200
	M³/sec/m	0.236	0.283	0.331	0.378	0.472	0.567
	Neg P_s	0.88	1.29	1.78	2.31	3.63	5.24
	NC	17	26	29	35	41	48
6	CFM/m	600	700	800	1000	1200	1400
	M³/sec/m	0.283	0.331	0.378	0.472	0.567	0.66
	Neg P_s	0.96	1.25	2.08	2.57	4.20	5.7
	NC	19	28	34	37	40	49
7	CFM/m	700	800	1000	1200	1400	1600
	M³/sec/m	0.331	0.378	0.472	0.567	0.66	0.76
	Neg P_s	1.07	1.38	2.14	2.78	4.36	5.7
	NC	20	28	33	39	43	50
8	CFM/m	800	900	1100	1300	1500	1700
	M³/sec/m	0.378	0.425	0.52	0.61	0.71	0.8
	Neg P_s	1.17	1.31	2.29	2.89	4.61	5.9
	NC	22	31	37	40	45	50

- Data based on one meter length of the diffuser.
- NC based on a room attenuation of 10 dB.
- P5: Static pressure loss is in mm of water.
- Above data is tested & certified b ETL