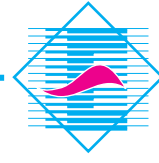


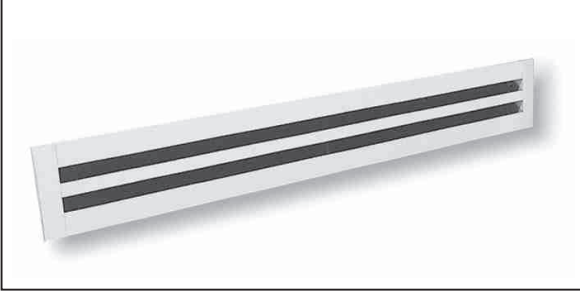
SLOT DİFÜZÖRLER DSL



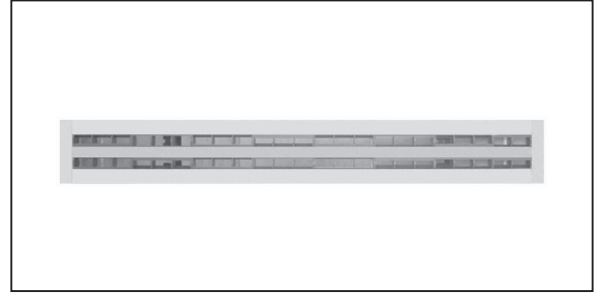
ELEKTROTEKNİK



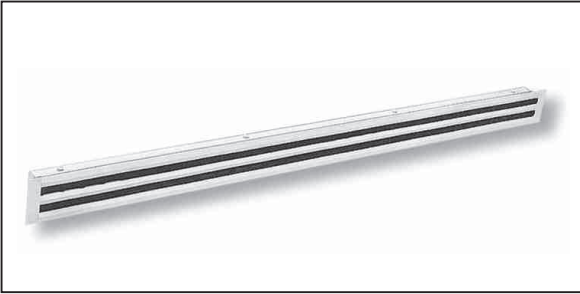
SLOT DİFÜZÖRLER



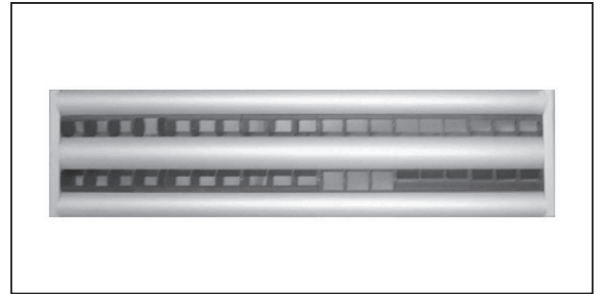
DSL 01



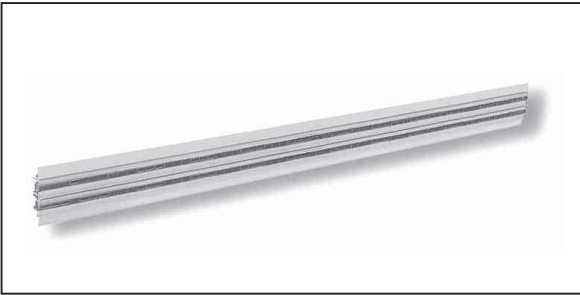
DSL 05



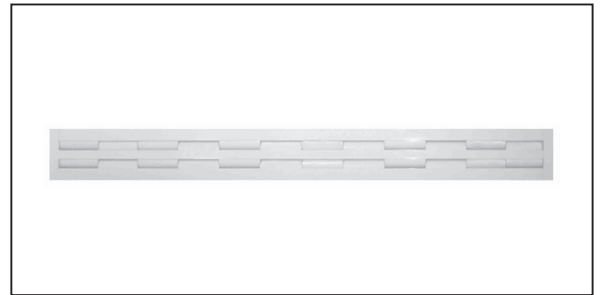
DSL 02



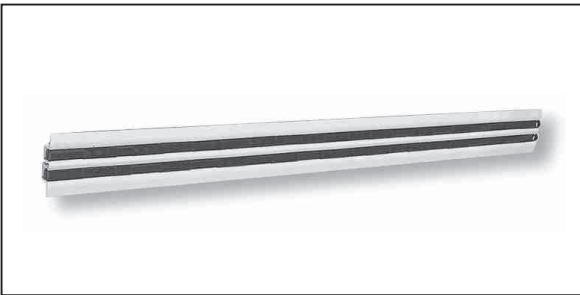
DSL 06



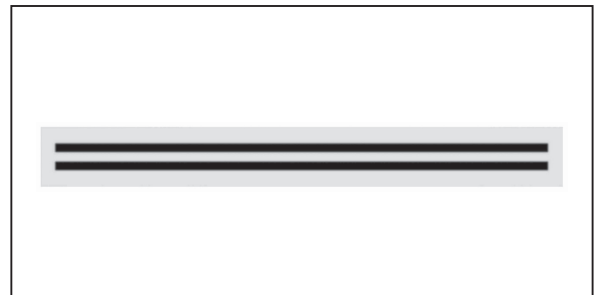
DSL 03



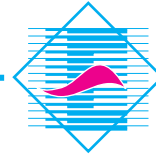
DSL 07



DSL 04



DSL 08



SLOT DİFÜZÖRLER

GENEL BİLGİ

Slot difüzörler, hem teknik hem de estetik ihtiyaçlara cevap verebilecek şekilde dizayn edilirler. Dağıtıcı ve toplayıcı olarak kullanılan bu difüzörler alüminyum profilden imal edilirler. Duvara ve tavana monte edilebilme özelliğine sahiptirler. Bu difüzörler; Aşağıda belirtilen yüksekliğe sahip mekanlarda kullanılmaktadır. Ayarlanabilir kanatlar vasıtasıyla çok çeşitli uygulamalarda kullanmak mümkündür. Havanın dikey yönde yönlendirilmesiyle ısıtma, yatay yönde yönlendirilmesiyle soğutma yapılır. Kanatların ayarlanmasıyla ses seviyesi ve basınç düşümleri sabitlenir. Difüzörler monte edildikten sonra bile, istenilen herhangi bir zamanda, kanat ayarı yapılarak havanın akışı yönlendirilir. Sipariş esnasında, özel bir kanat pozisyonu istenirse, bu pozisyon, fabrikada imalat aşamasında yapılır. Eğer herhangi bir pozisyon belirtilmezse standart olarak ayarlanır. Üfleme hava sıcaklığı Δt_z $-10K$ 'den $+10K$ 'e kadar uygulanmalıdır. DSL serisi 1,2,3,4 slotlu olarak düzenlenebilmektedir.

Slot difüzörlerin kanala montajı plenum box ile birlikte yapılmaktadır. DSL 01-DSL 07 modelimize istenirse damper ilavesi yapılarak monte edilir.

Tüm yüzeyler alüminyum profilden , hava ayar kanatları standart olarak siyah, gri ve beyaz PVC'den , Plenum box ise galvaniz çelikten yapılmaktadır. Ürünlerimiz eloksallı, analog ve 9010 elektrostatik fırın boya ile boyanırlar. İsteğe bağlı olarak diğer renkler RAL kataloğundan seçilerek boyanır.

Kullanım yerine göre 3 grupta toplanırlar;

1- DÜŞÜK MEKANLARDA; 2~2,6m arası yüksekliğe sahip mekanlarda

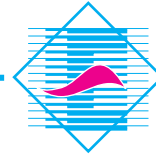
- DSL 01
- DSL 02
- DSL 03
- DSL 04
- DSL 05

2- ORTA MEKANLARDA; 2.6~5m arası yüksekliğe sahip mekanlarda

- DSL 01
- DSL 07
- DSL 08

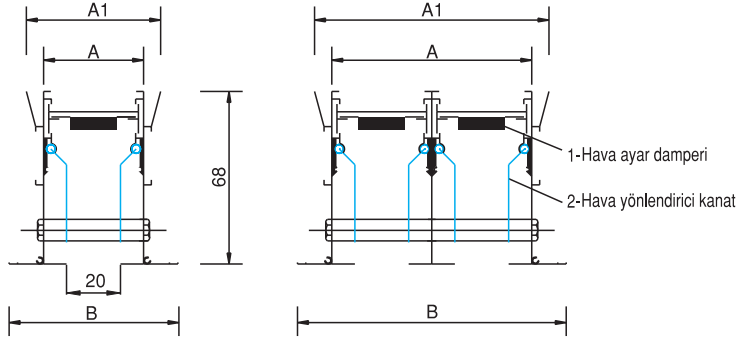
3- YÜKSEK MEKANLARDA; 5~12m arası yüksekliğe sahip mekanlarda

- DSL 01
- DSL 06



SLOT DİFÜZÖR DSL 01

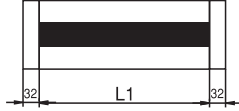
STANDART ÖLÇÜLER



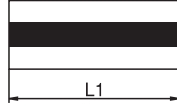
SLOT ÖLÇÜLERİ

	A(mm)	A1(mm)	B(mm)
1 Slot	40	60	86
2 Slot	80	100	128
3 Slot	120	140	168
4 Slot	160	180	208

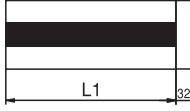
A-Her iki tarafında
yan kapak



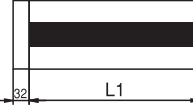
B-Yan kapaksız



R-Sol tarafında
yan kapak

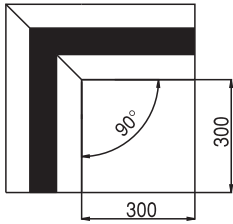


L-Sağ tarafından
yan kapak

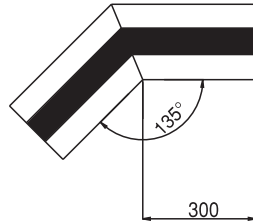


Not: Yan kapak ile ilgili istekler sipariş sırasında belirtilmelidir,

K90-90°'lik Köşe Slot

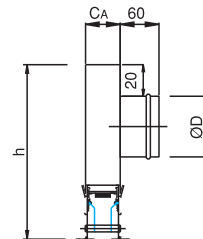
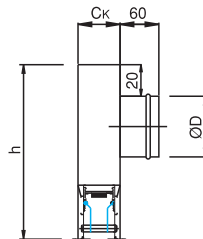
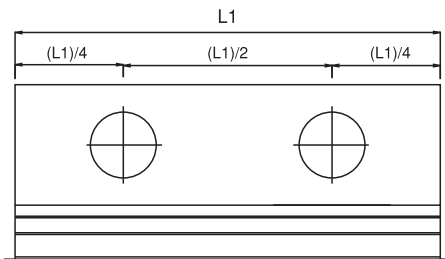


K135-135°'lik Köşe Slot



DSL 01

PLENUM BOX ÖLÇÜLERİ

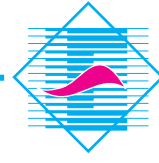


Plenum Box Uzunluğuna Göre Kutu Yükseklikleri ve Boğaz Çapları

L1(mm)	400-1000	1100-2000	400-2000		
Boğaz Sayısı	Tek	İki			
	ØD		h	Ck	CA
1 Slot	123	123	250	65	43
2 Slot	148	148	250	105	83
3 Slot	198	198	300	145	123
4 Slot	248	248	300	185	163

C_k : Slot boxın içine oturduğu taktirde kutu genişliğidir.

C_A : Box slotun boğazına oturduğunda kutu genişliğidir, Slotların seri montaj edileceği durumlarda kullanılır.

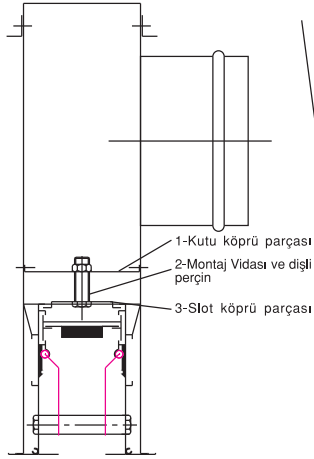


DSL 01

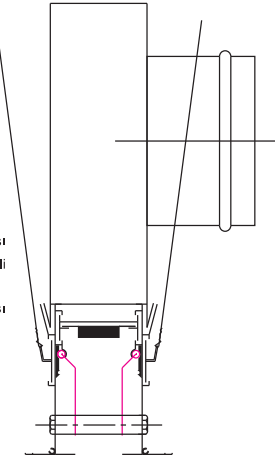
MONTAJ TİPLERİ

Uygulama şekli ve mahalın özelliklerine göre iki değişik montaj şekli mevcut olup, siparişlerde montaj şekilleri mutlaka belirtilmelidir, belirtilmediği takdirde standart köprülü tip imal edilir, İstendiği takdirde kutulara ses ve/veya ısı izolasyonu yapılabilmektedir.

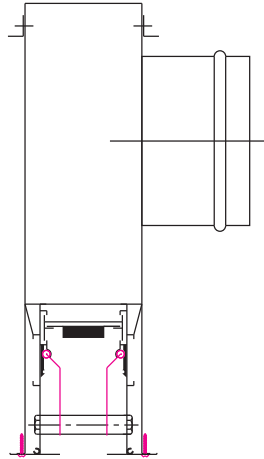
1-Köprülü Tip Montaj



2-Askılı Tip Montaj



3-Vidalı Tip Montaj



1-Köprülü Tip Montaj

Standart montaj şekli olup; slot difüzör ve plenum box ayrı ayrı montaj edilir. Plenum box içine kısa kenar boyunca atılan köprüler ile slot plenum box üzerine, box ise askılarla tavana monte edilir.

2-Askılı Tip Montaj

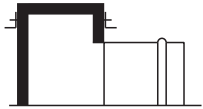
Plenum box ve slot difüzör birbirine montajlıdır. Askılar ile yerine monte edilir.

3-Vidalı Tip Montaj

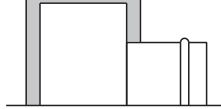
Dış profil üzerine açılmış olan vidalı montaj deliklerinden, havşa başlı vida ile monte edilir.

KUTU İZOLASYONU

Ses İzolasyonu



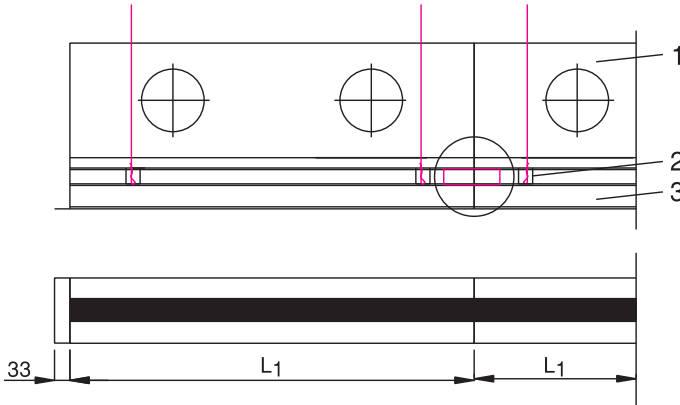
Isı İzolasyonu



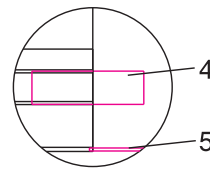
Kutu İzolasyonu:

Kutunun ses izolasyonu konfor ortamındaki havalandırma, ısıtma/soğutma tesisatından kaynaklanan gürültü oranı minimuma indirilirken, ısı izolasyonu ile ısı kaybı/kazanç engellenerek enerji tasarrufu sağlanır.

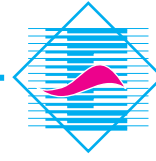
SLOT DİFÜZÖRLERİN SERİ MONTAJI



Şekildeki gibi slot difüzörlerin birbirine montajı ile uzun mesafeler tek parça gibi geçilebilir.



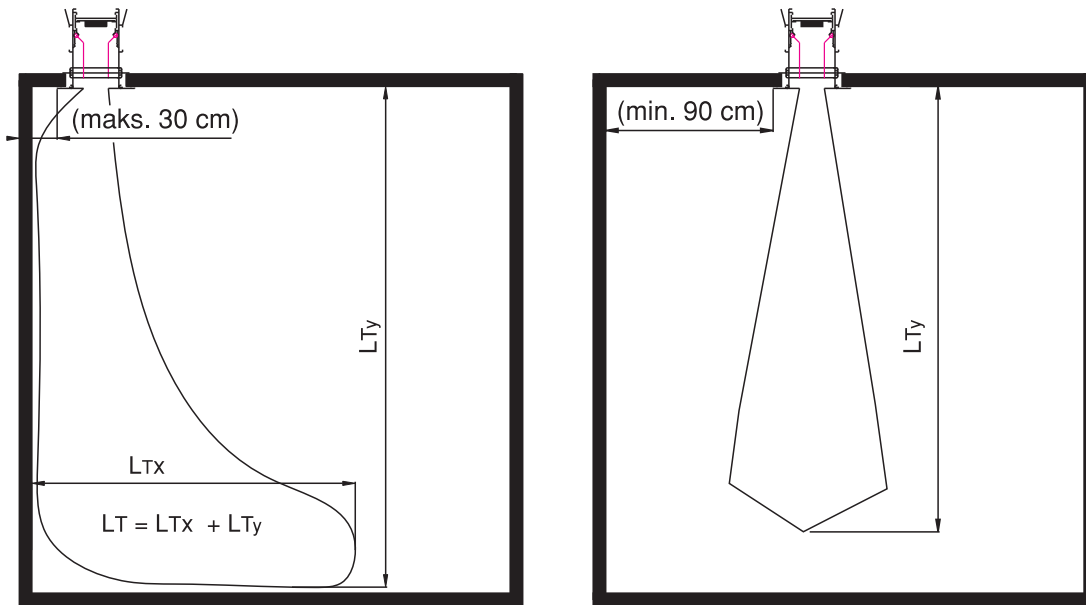
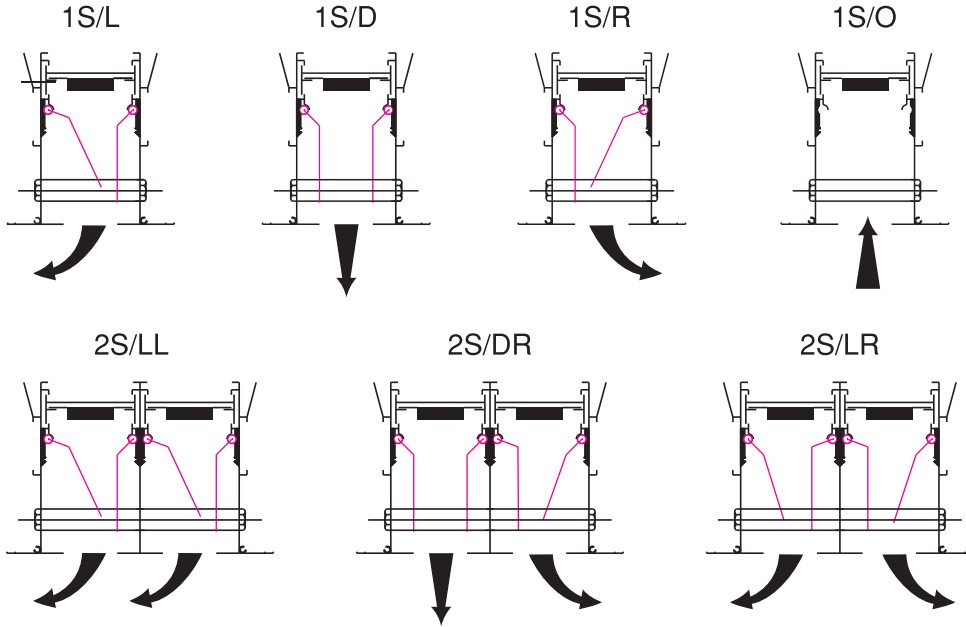
- 1-Plenum Box
- 2-Askı
- 3-Slot Difüzör
- 4-Birleştirme Kaması
- 5-Birleştirme Pimi

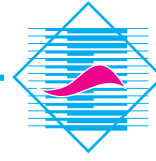


DSL 01

SLOT KANAT POZİSYONLARINA GÖRE HAVA AKIŞI

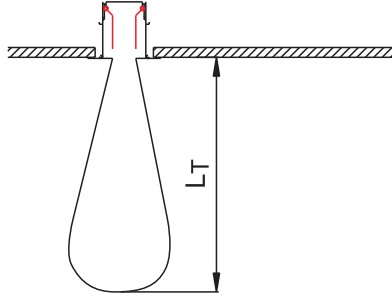
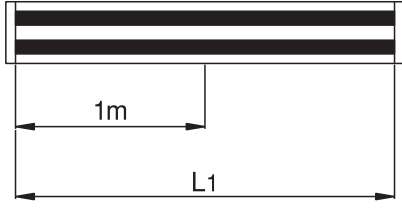
Slot Kanat Pozisyonları: Slot sayısı / Kanat pozisyonları





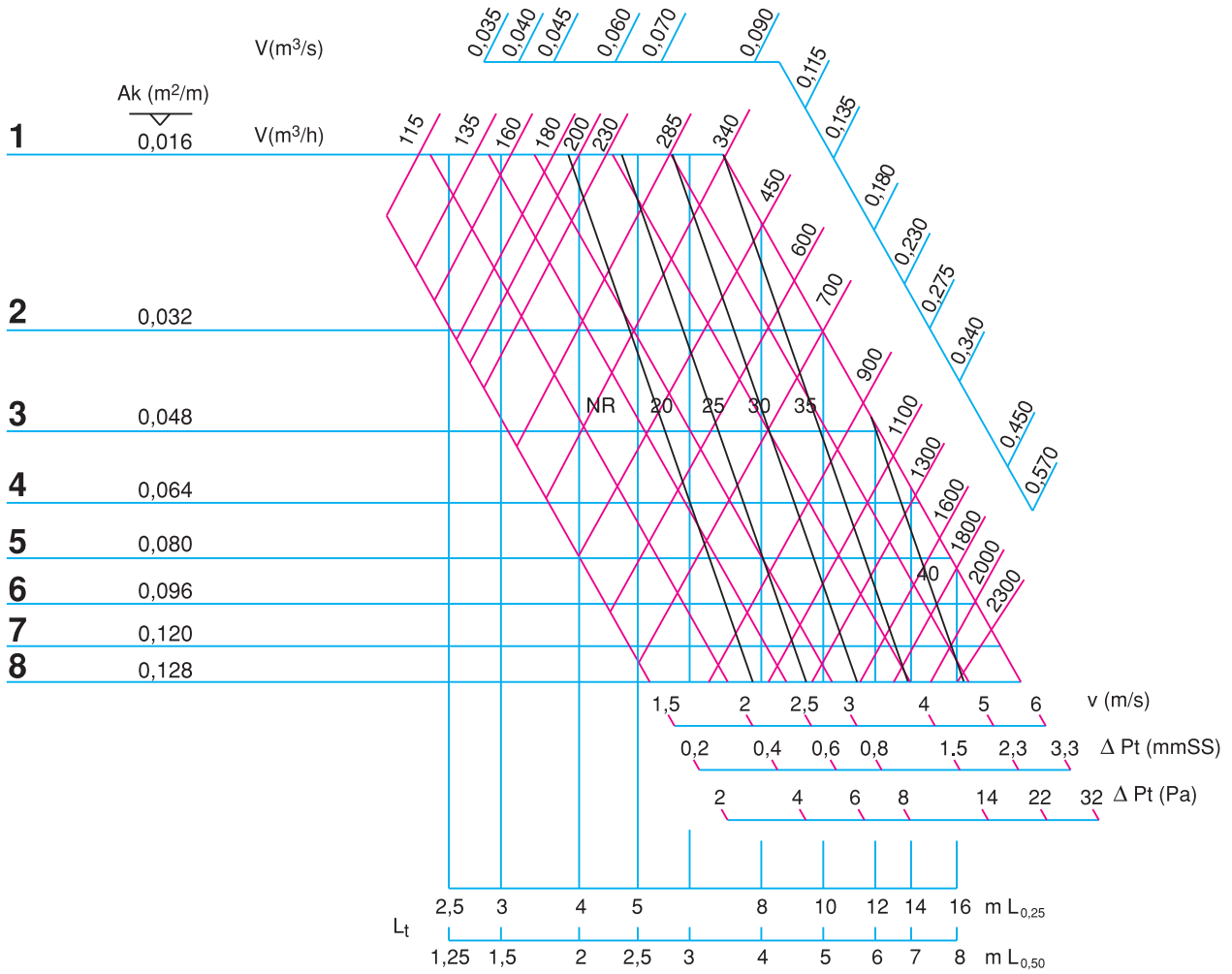
DSL 01

Dikey üfleme durumunda;

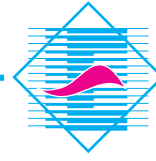


- V (m³/h) : Hava debisi
 ΔPt (Pa) : Basınç kaybı
 v_K (m/s) : Slot çıkış hızı
 A_K (m²) : Efektif alan
 L_T (m) : Atış mesafesi
 V_T (m) : Hedef bölgedeki hız
NR : Ses seviyesi

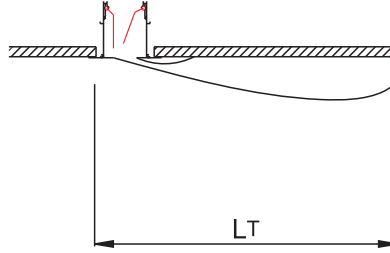
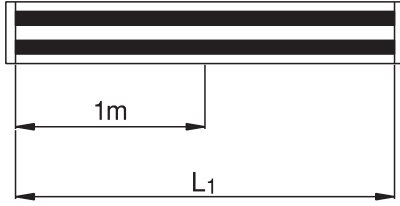
Tüm veriler 1m slot difüzör uzunluğu için verilmiştir,



DSL 01



Yatay üfleme durumunda;



$V \text{ (m}^3/\text{h)}$: Hava debisi

$\Delta P_t \text{ (Pa)}$: Basınç kaybı

$v_K \text{ (m/s)}$: Slot çıkış hızı

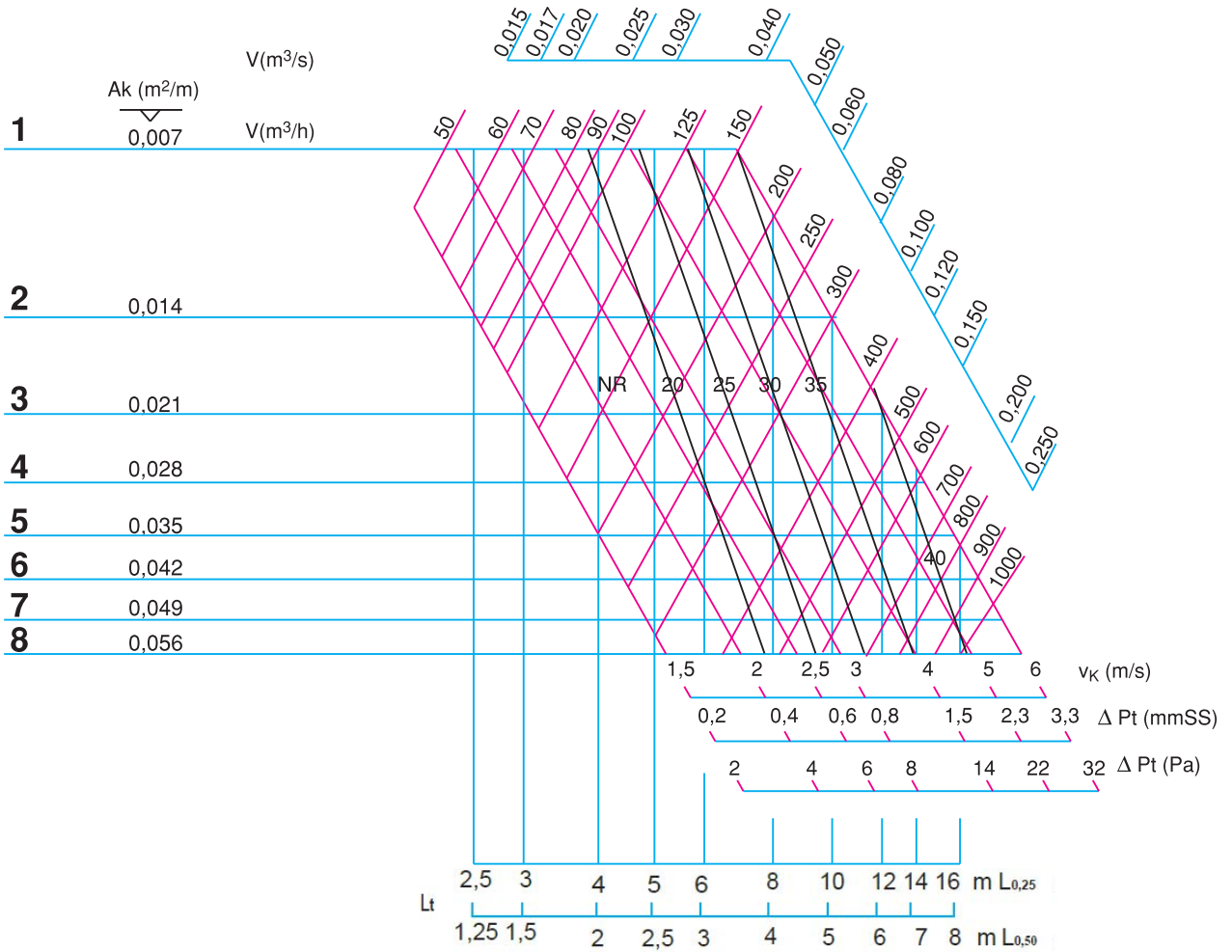
$A_K \text{ (m}^2)$: Efektif alan

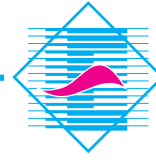
$L_T \text{ (m)}$: Atış mesafesi

$v_T \text{ (m)}$: Hedef bölgedeki hız

NR : Ses seviyesi

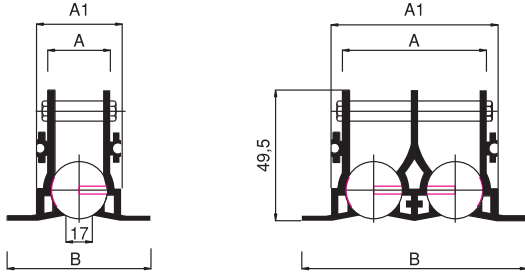
Tüm veriler 1 m slot difüzör uzunluğu için verilmiştir.





SLOT DİFÜZÖR DSL 02

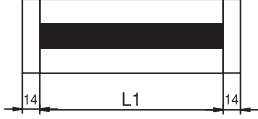
STANDART ÖLÇÜLER



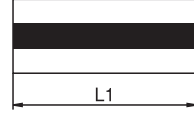
SLOT ÖLÇÜLERİ

	A(mm)	A1(mm)	B(mm)
1 Slot	23	29	49
2 Slot	52	58	80
3 Slot	83	89	111
4 Slot	114	120	142

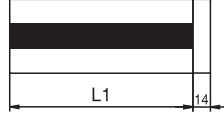
A-Her iki tarafında
yan kapak



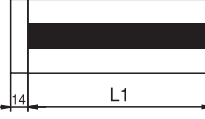
B-Yan kapaksız



R-Sol tarafında
yan kapak

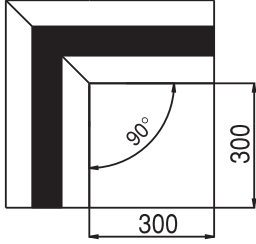


L-Sağ tarafında
yan kapak

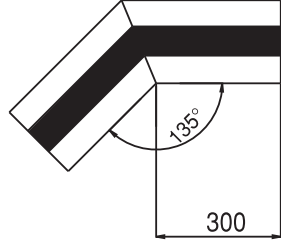


Not: Yan kapak ile ilgili istekler sipariş sırasında belirtilmelidir,

K90-90°'lik Köşe Slot

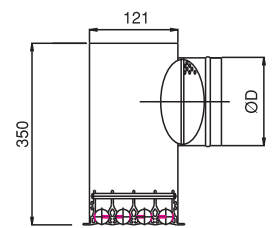
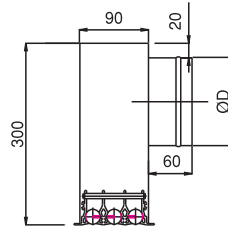
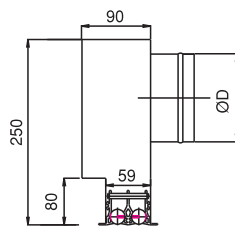
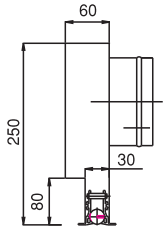


K135-135°'lik Köşe Slot

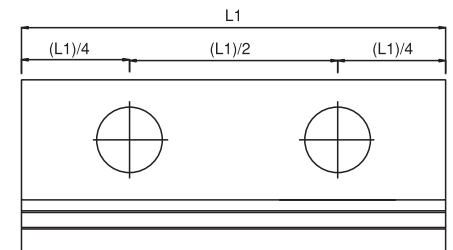


DSL 02

PLENUM BOX ÖLÇÜLERİ

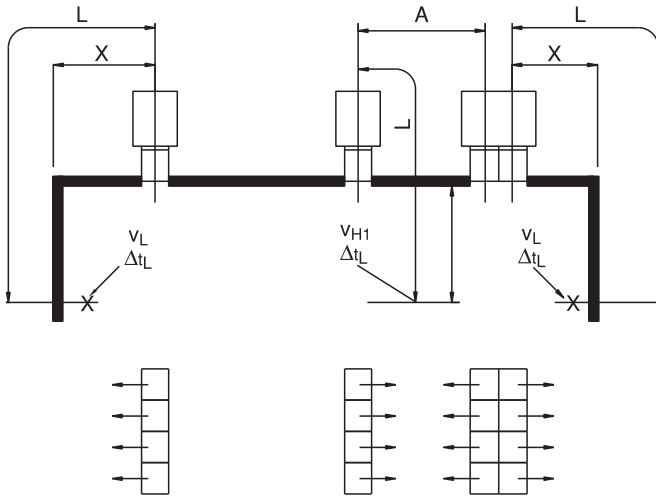


L1(mm)	400-1000	1100-1500	1600-2000	400-2000
Boğaz Çapı	ØD			h
1 Slot	98x1	98x2	123x2	250
2 Slot	136x1	123x2	136x2	250
3 Slot	156x1	136x2	156x2	300
4 Slot	198x1	156x2	198x2	350



DSL 02

AÇISAL DEĞİŞKEN YÖNLÜ ATIŞ



$V \text{ (m}^3/\text{h)} :$ Difüzör üfleme debisi

A-B (m) : İki difüzör arasındaki mesafe

x (m) : Difüzör merkezi ile duvar arasındaki mesafe

H_1 (m) : Tavan ile etkili bölge arasındaki mesafe

v_{H1} (m/s): Ortalama sürede, iki difüzör arasında tavandan H_1 mesafesindeki hava akış hızı

L (m) : Yatay+düşey olarak $(x+H_1)$ mesafesinden duvara hava tahliyesi

v_L (m/s) : Ortalama sürede duvardaki hava hızı

Δt_z (K) : Üfleme havası ile oda havası arasındaki sıcaklık farkı

Δt_L (K) : L mesafesindeki ile oda havası arasındaki sıcaklık farkı

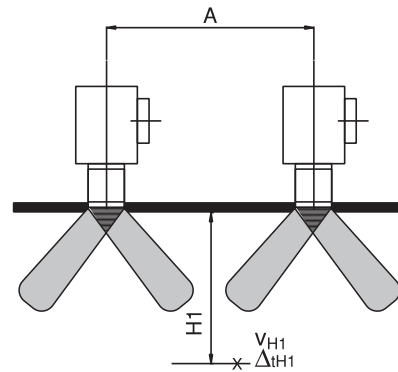
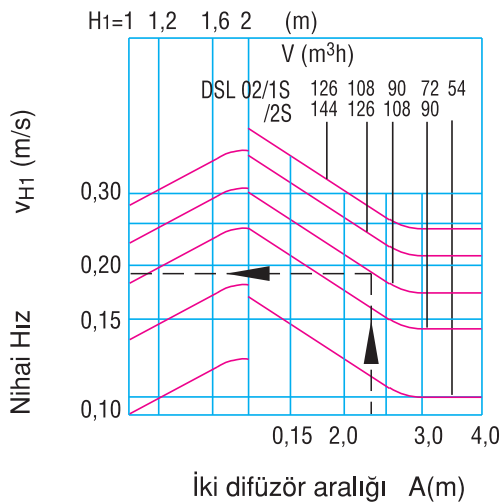
$$L=A/2+H1$$

$$L = X + H1$$

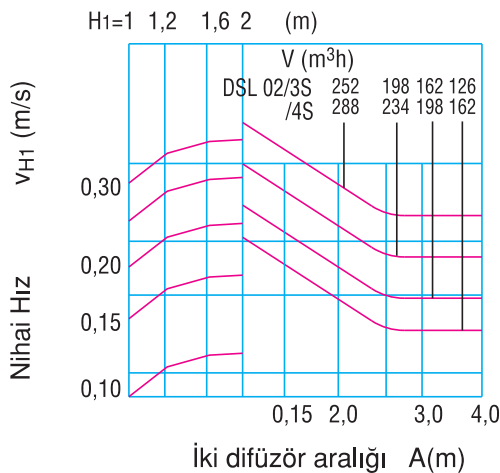
ΔP_t (Pa): Toplam basınç düşüşü

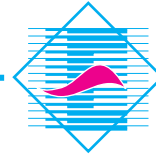
LWA dB(A) : A-ağırlıklı ses gücü seviyesi

1) İki difüzör arası hız diyagramı

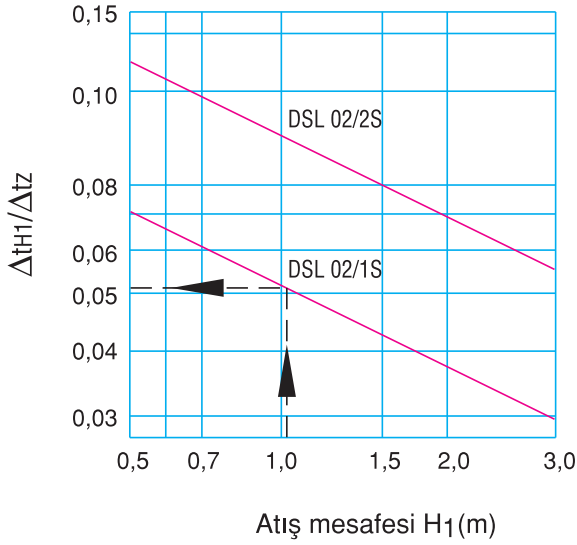


2) İki difüzör arası hız diyagramı

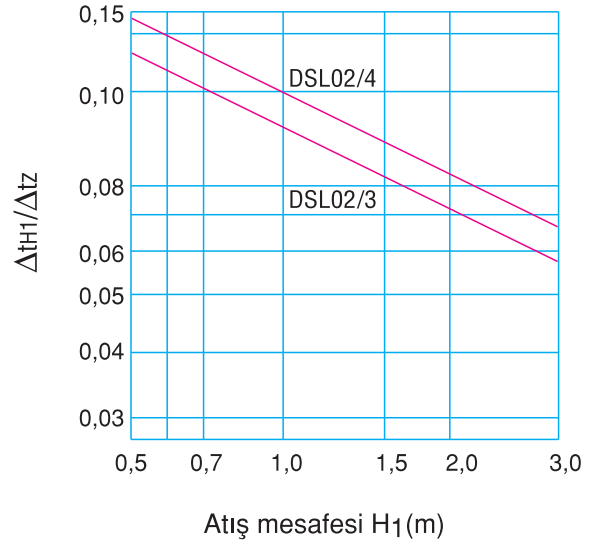




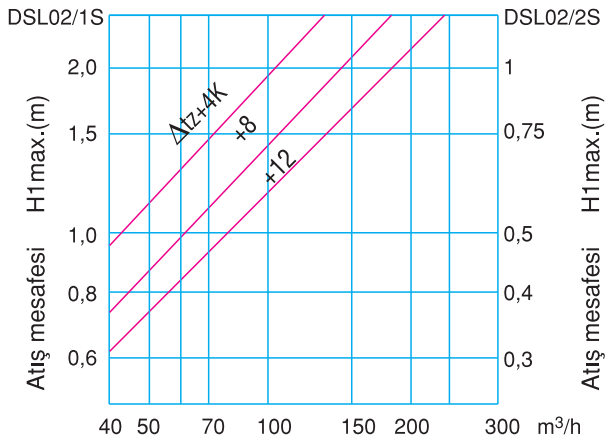
3) Soğutmada; Sıcaklık bölümü diyagramı



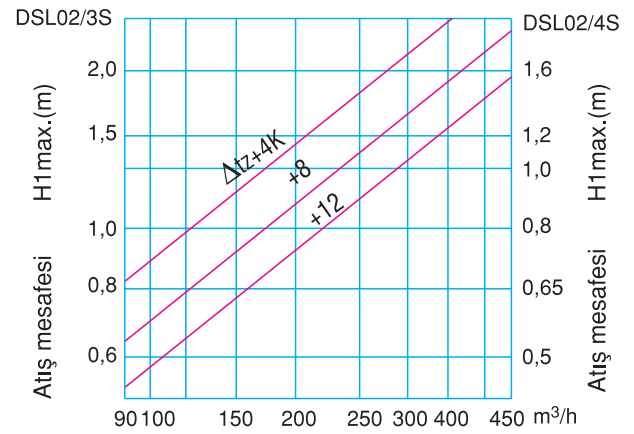
4) Soğutmada; Sıcaklık bölümü diyagramı



5) Isıtmada; max. etki derinliği diyagramı



6) Isıtmada; max. etki derinliği diyagramı



Örnek :

Verilenler:

DSL 02/1S için değişken yatay hava akışı

Metre başını debi : $V = 90 \text{ m}^3/\text{h}$

Üfleme havası sıcaklık farkı

Yatay soğutmada : $\Delta t_z = \pm 8 \text{ K}$

İki difüzör aralığı : $A = 2,4 \text{ m}$

Hedef bölgenin tavana uzaklığı : $H_1 = 1,0 \text{ m}$

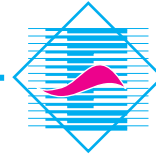
$v_{H1} = 0,2 \text{ m/s}$ (Diyagram 1'den)

$\Delta t_{H1} / \Delta t_z = 0,051$ (Diyagram 3'ten)

$\Delta t_{H1} / \Delta t_z = 0,051 \times (-8 \text{ K}) = 0,408 \text{ K}$

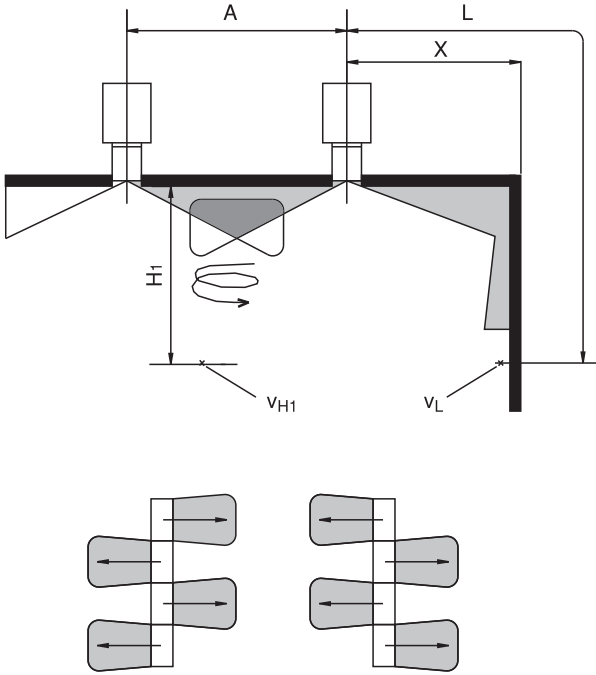
Isıtmada $\Delta t_z = +8 \text{ K}$

$H_{1\text{maks}} = 1,5 \text{ m}$

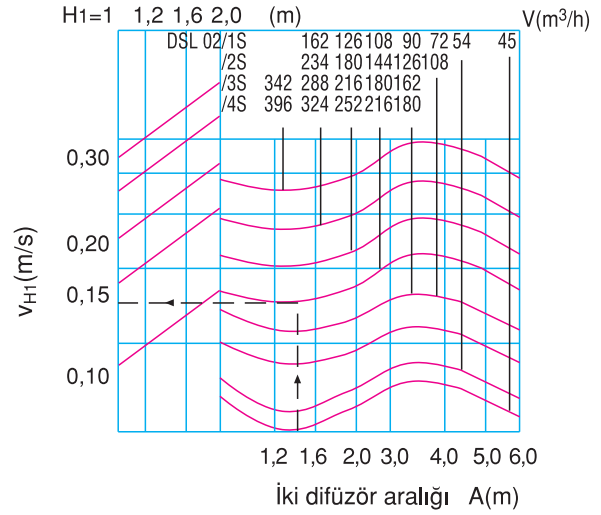


DSL 02

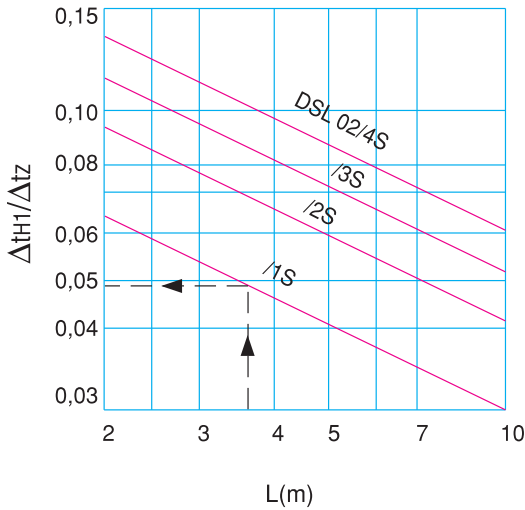
YATAY DEĞİŞKEN YÖNLÜ ATIŞ



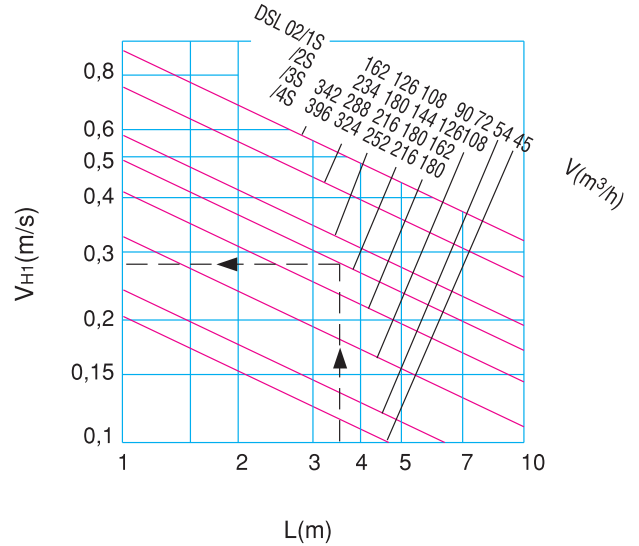
7) İki difüzör arası hız diyagramı



8) Sıcaklık bölümü diyagramı



9) Duvar boyunca hava hız diyagramı



Örnek :

Verilenler:

DSL 02 için değişken yatay hava akışı

Metre başını debi : $V = 108 \text{ m}^3/\text{h}$

Üfleme havası sıcaklık farkı

Yatay soğutmada : $\Delta t_z = -10 \text{ K}$

İki difüzör aralığı : $A = 1,8 \text{ m}$

Hedef bölgenin tavana uzaklığı : $H_1 = 1,2 \text{ m}$

Difüzör merkezinin duvara uzaklığı : $X = 2,4 \text{ m}$

$v_{H1} = 0,13 \text{ m/s}$ (Diyagram 7'den)

$L = x + H_1 = 2,4 + 1,2 = 3,6 \text{ m}$ (Diyagram 9'dan)

$v_L = 0,27 \text{ m/s}$

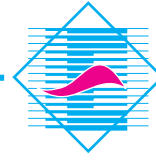
$L = A/2 + H_1 = 0,9 + 1,2 = 2,1 \text{ m}$ için;

$\Delta t_{H1} / \Delta t_z = 0,064$

$\Delta t_L = 0,064 \times (-10 \text{ K}) = -0,64 \text{ K}$

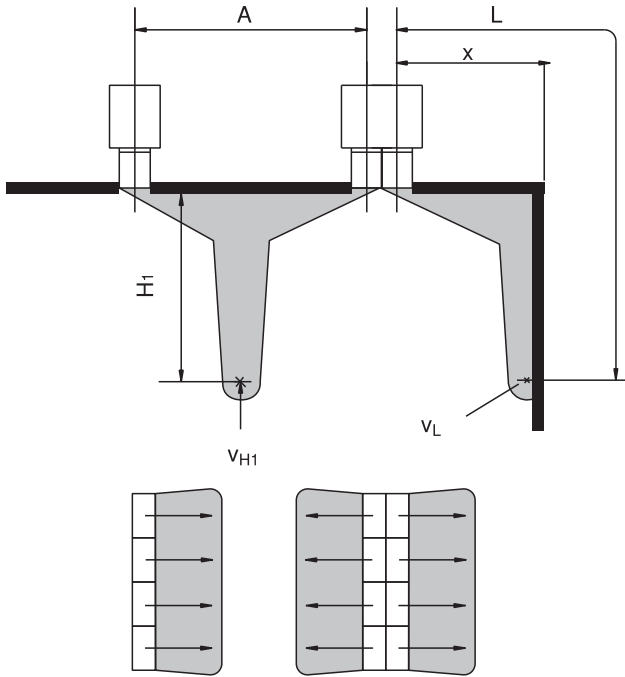
$L = 3,6 \text{ m}$ için; $\Delta t_{H1} / \Delta t_z = 0,049$

$\Delta t_L = -0,5 \text{ K}$

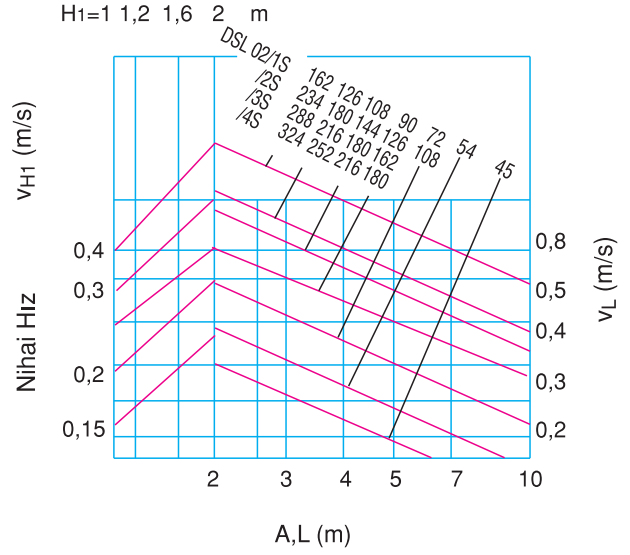


DSL 02

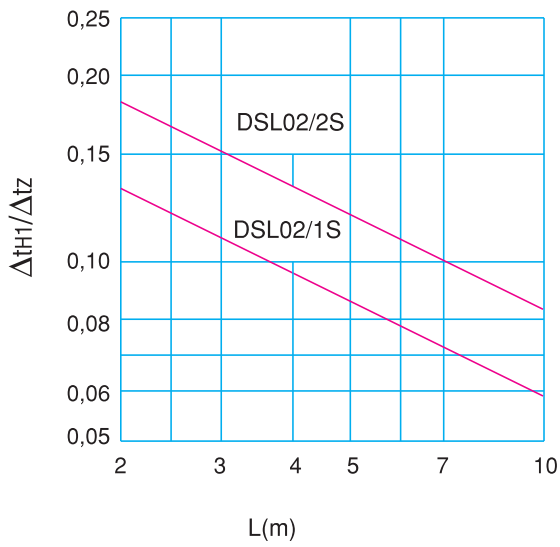
BİR VEYA İKİ YÖNLÜ YATAY ATIŞ



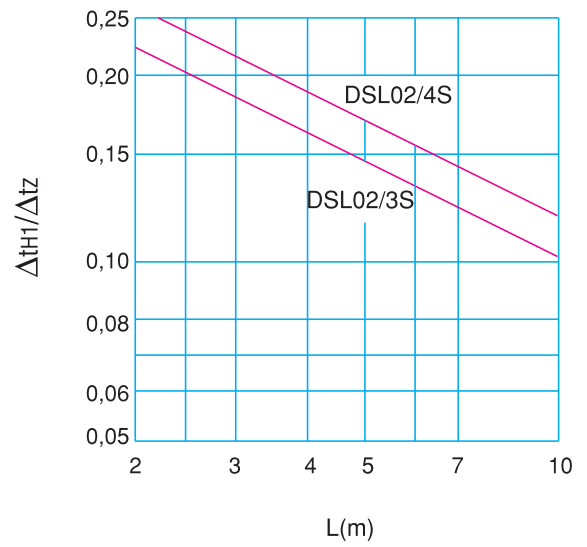
10) İki difüzör arası veya duvar boyunca hava hızı diyagramı

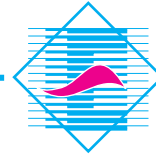


11) Soğutmada; Sıcaklık bölümü diyagramı



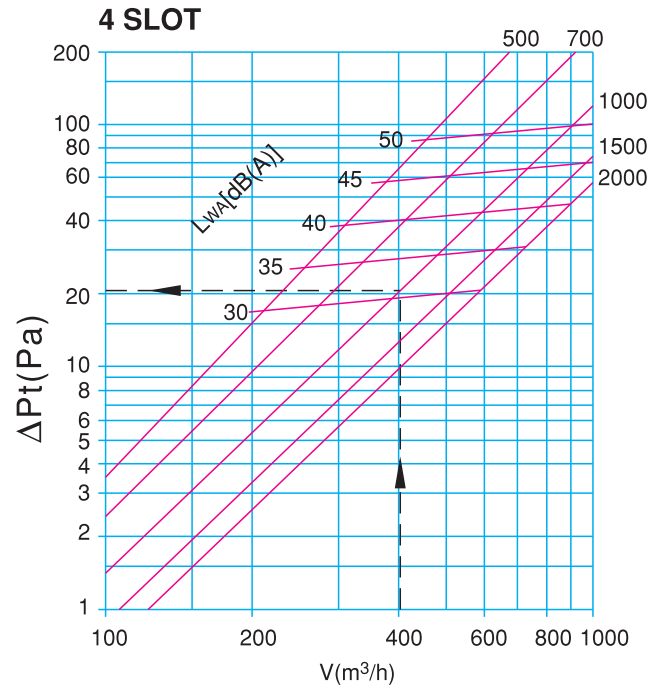
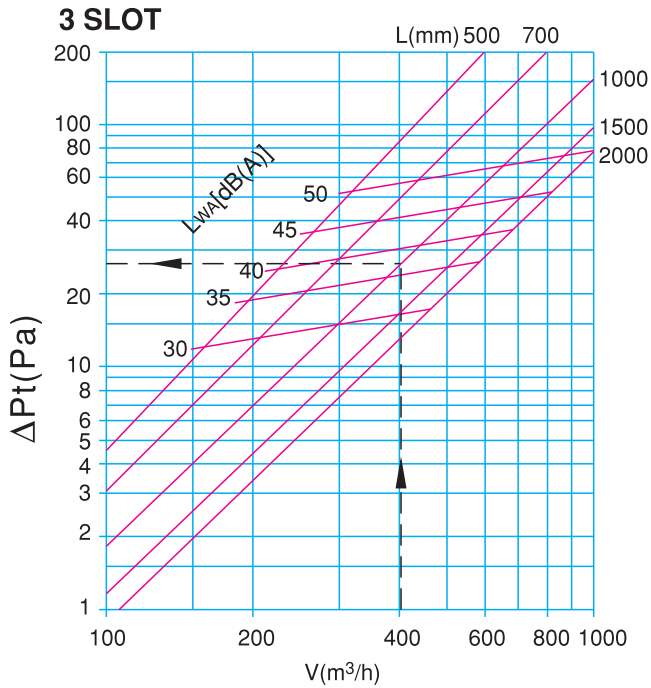
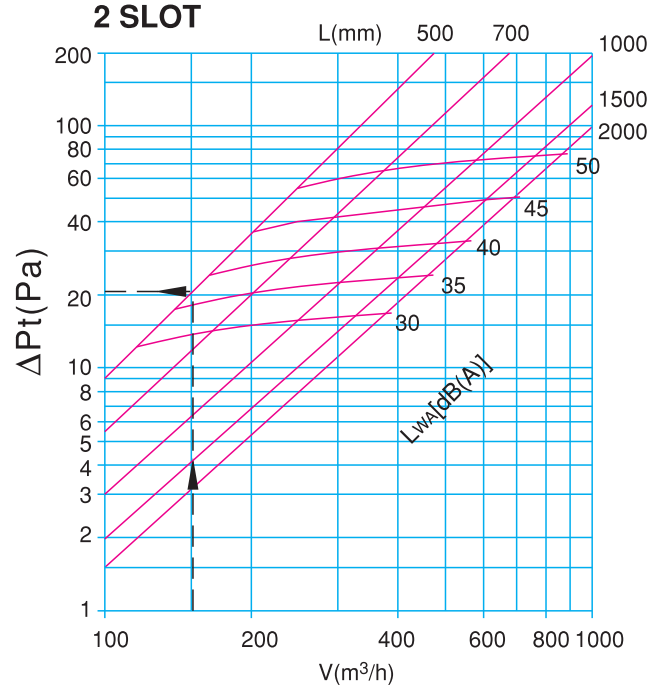
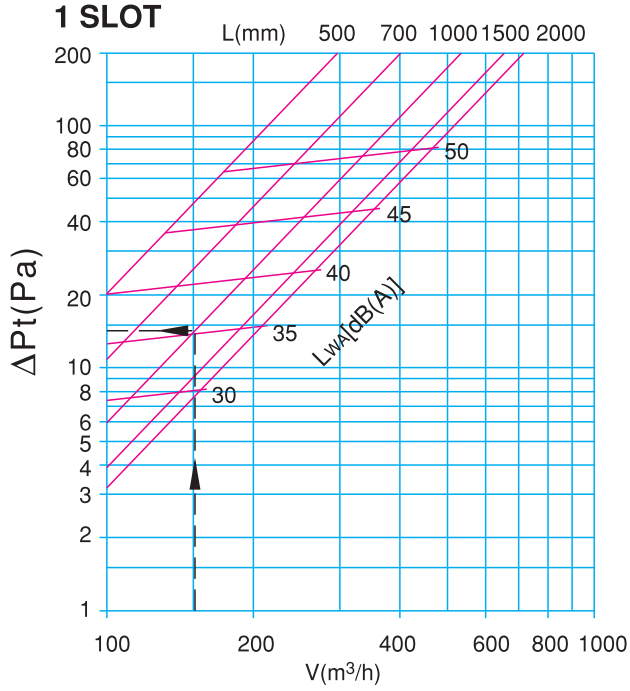
12) Soğutmada; Sıcaklık bölümü diyagramı





DSL 02

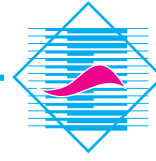
SES SEVİYESİ VE BASINÇ KAYBI DİYAGRAMLARI



Klape ve üfleme konumuna göre basınç düşümü düzeltme katsayıları

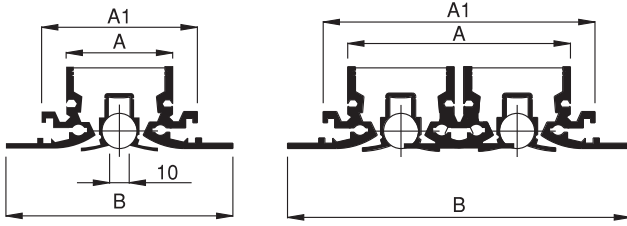
Üfleme Şekli		DİKEY								YATAY							
		Açık				Kapalı				Açık				Kapalı			
Klape konumu		1S	2S	3S	4S	1S	2S	3S	4S	1S	2S	3S	4S	1S	2S	3S	4S
L=500	ΔP_t (Pa)	x1	x1	x1	x1	1,44	1,91	2,37	3,08	0,87	0,86	0,84	0,70	1,34	1,79	2,24	2,91
L=700		x1	x1	x1	x1	2,17	2,84	3,50	4,56	0,92	0,83	0,73	0,61	2,04	2,89	3,75	4,87
L=1000		x1	x1	x1	x1	3,30	5,91	8,52	11,07	0,85	0,70	0,56	0,47	3,02	5,31	7,59	9,87
L=1500		x1	x1	x1	x1	5,26	9,88	14,50	18,85	0,84	0,58	0,32	0,27	4,47	8,67	12,86	16,72
L=2000		x1	x1	x1	x1	7,37	14,10	20,82	27,07	0,81	0,47	0,18	0,15	5,68	11,99	18,29	23,78

Tüm veriler 1m slot difüzör uzunluğu için verilmiştir,



SLOT DİFÜZÖR DSL 03

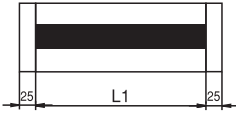
STANDART ÖLÇÜLER



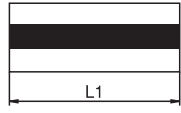
SLOT ÖLÇÜLERİ

	A(mm)	A1(mm)	B(mm)
1 Slot	27	40	68
2 Slot	58	71	100
3 Slot	89	102	130

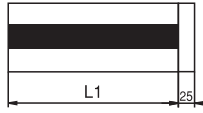
A-Her iki tarafında
yan kapak



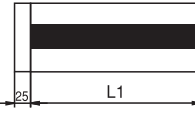
B-Yan kapaksız



R-Sol tarafında
yan kapak

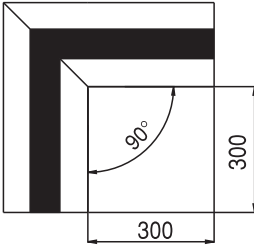


L-Sağ tarafından
yan kapak

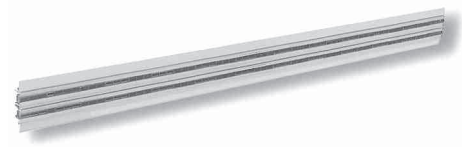
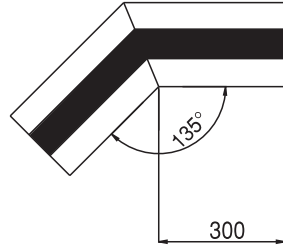


Not: Yan kapak ile ilgili istekler sipariş sırasında belirtilmelidir,

K90-90°'lik Köşe Slot

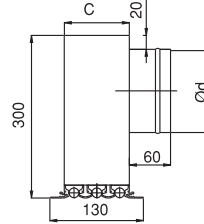
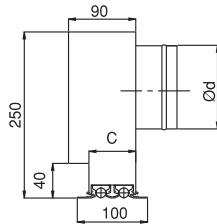
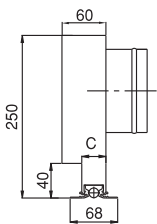


K135-135°'lik Köşe Slot

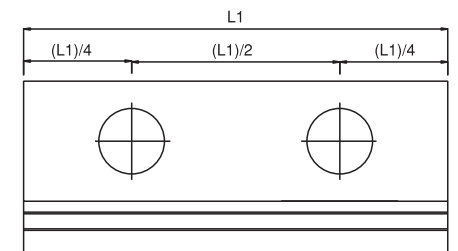


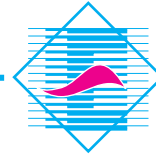
DSL 03

PLENUM BOX ÖLÇÜLERİ



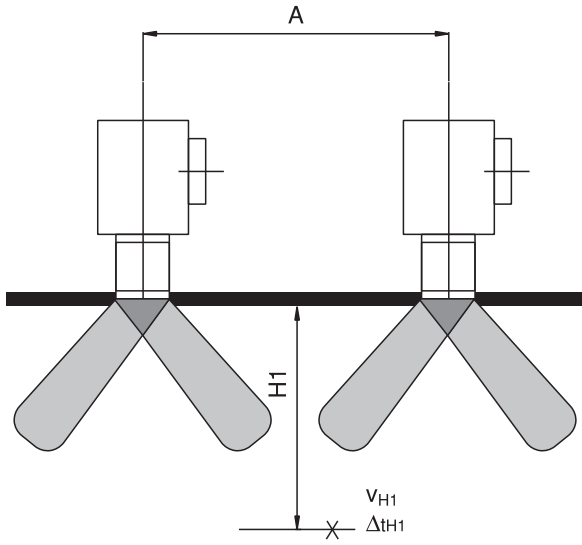
L1(mm)	400-1000	1100-1500	1600-2000	400-2000		
Boğaz Çapı	ØD			h	C	
					Ck	CA
1 Slot	98x1	98x2	123x2	250	43	30
2 Slot	136x1	123x2	136x2	250	74	61
3 Slot	156x1	136x2	156x2	300	105	92



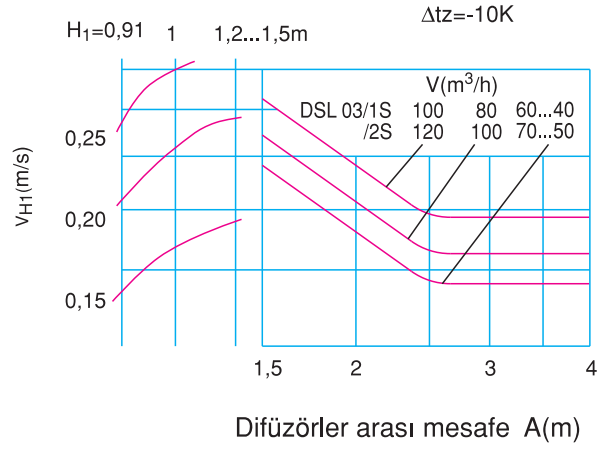


DSL 03

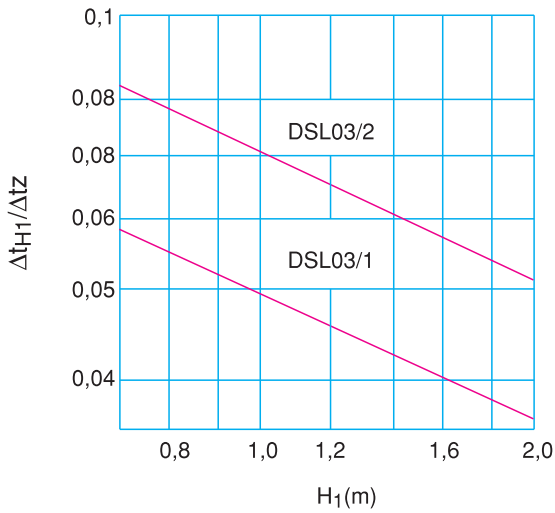
AÇISAL DEĞİŞKEN YÖNLÜ ATIŞ



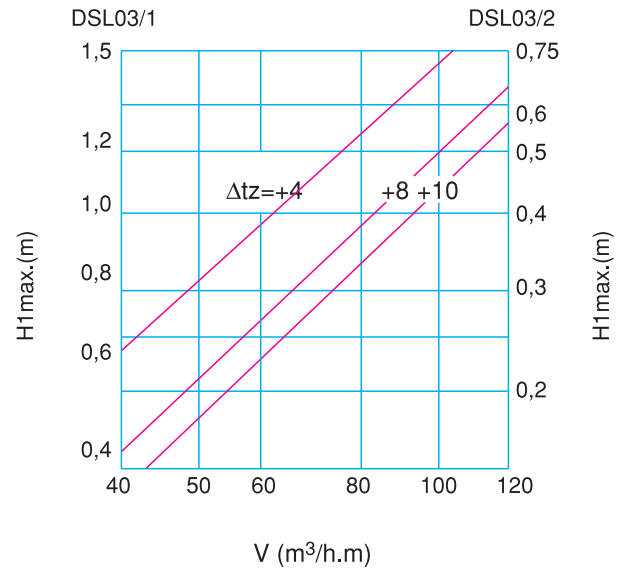
1) Gerçek hız diyagramı



2) Soğutmada; sıcaklık bölümü diyagramı



3) Isıtmada; max. etki derinliği diyagramı

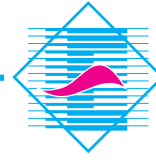


Örnek :

DSL 03/1S, Açısal değişken yönlü
 $V = 80 m^3/h$ (metre başına)
 $A = 2,4m$; $H_1 = 1m$; $\Delta t_z = \pm 8K$
Diyagram 1'den
 $v_{H1} = 0,17 m/s$

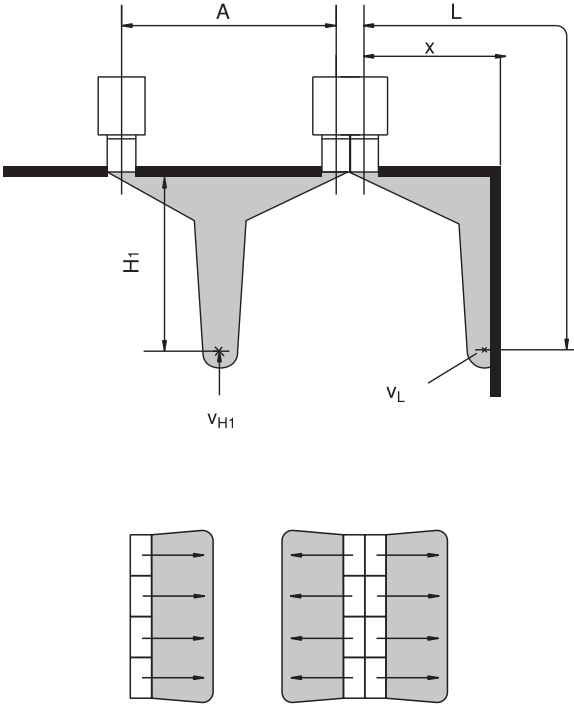
Diyagram 2'den
 $\Delta t_{H1} / \Delta t_z = 0,05$
 $\Delta t_{H1} = -0,4K$

Isıtmada Δt_z
Diyagram 3'den
 $H1_{max} = 0,8m$

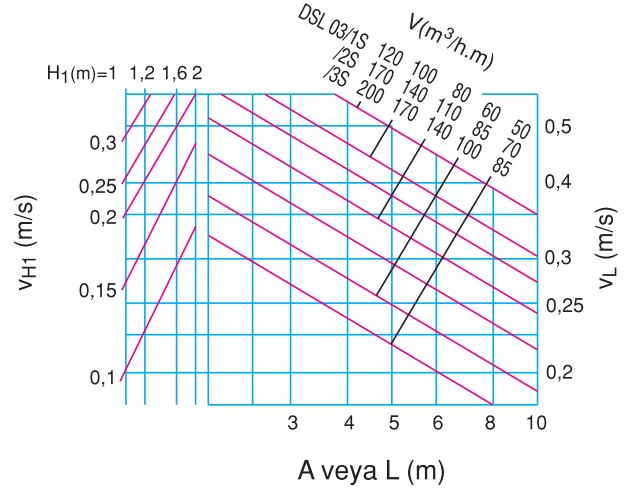


DSL 03

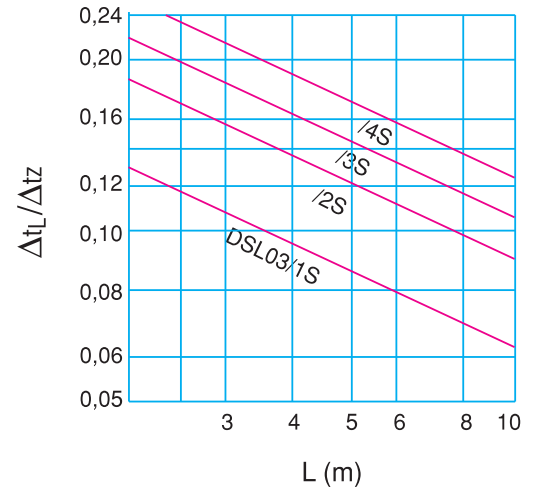
BİR VEYA İKİ YÖNLÜ YATAY ATIŞ



4) İki difüzör arası veya duvar boyunca hava hızı diyagramı



5) Soğutmada; sıcaklık bölümü diyagramı



Örnek :

DSL 03/1S İki yönlü yatay atış
Toplam debi $V_t = 160 \text{ m}^3/\text{h.m}$
Her yönde $V_E = 80 \text{ m}^3/\text{h.m}$ $\Delta t_z = -8 \text{ K}$
 $A = 5 \text{ m}$, $H_1 = 1,2 \text{ m}$ $x = 6,8 \text{ m}$

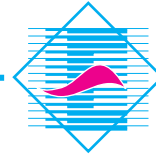
Diyagram 4'den her bir yön için slot sayısı 1
 $V_E = 80 \text{ m}^3/\text{h}$; $v_{H1} = 0,17 \text{ m/s}$; $v_L = 0,27 \text{ m/s}$

Diyagram 5'den

$L = A/2 + H_1 = 3,7 \text{ m}$ $\Delta t_L/\Delta t_z = 0,09$

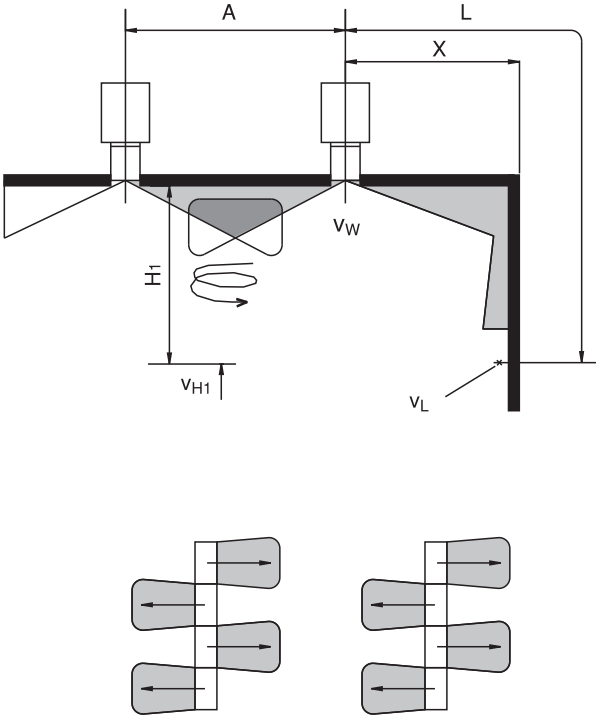
$\Delta t_L = -8 \text{ K} \cdot 0,09 = -0,7 \text{ K}$

$L = x + H_1 = 8 \text{ m}$ $\Delta t_L/\Delta t_z = 0,06$ Δt_L

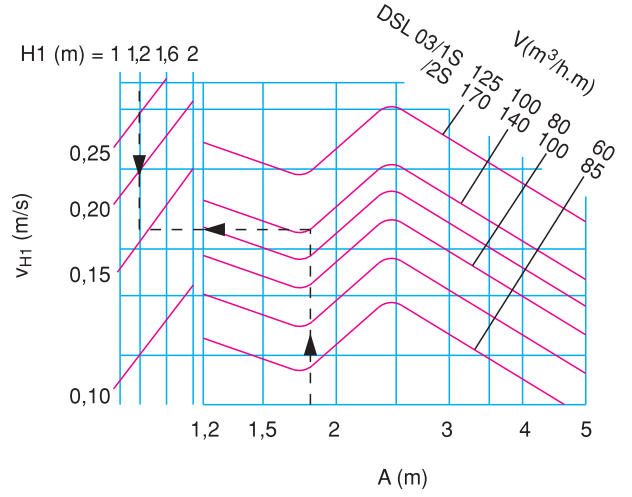


DSL 03

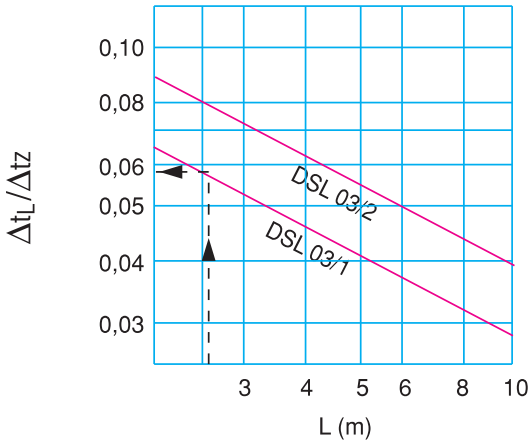
YATAY DEĞİŞKEN YÖNLÜ ATIŞ



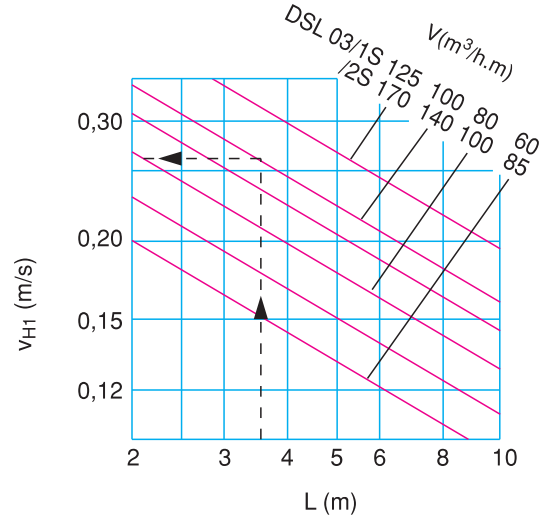
6 - İki difüzör arası gerçek hız diyagramı



8- Soğutmada; sıcaklık bölümü diyagramı



7- Duvar boyunca gerçek hız diyagramı



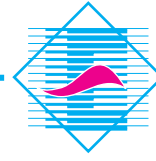
Örnek :

DSL 03/1S yatay değişken yönlü atış
 $V_T=100\text{m}^3/\text{h.m}$ $\Delta t_z=-10\text{K}$
 $A=1,8\text{m}$; $H_1=1,2\text{m}$; $x=2,4\text{m}$

Diyagram 6'dan $v_{H1} = 0,16\text{m/s}$

Diyagram 7'den $L = x + H_1 = 3,6\text{m}$ $v_L=0,26\text{m/s}$

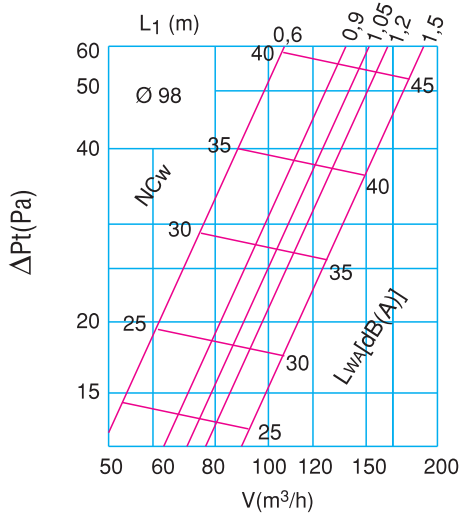
Diyagram 8'den $L = A/2 + H_1 = 2,1\text{m}$ için,
 $\Delta t_L/\Delta t_z = 0,06$ $\Delta t_L = -0,06\text{K}$
 $L = 3,6$ için $\Delta t_L/\Delta t_z = 0,048$ $\Delta t_L = -0,5\text{K}$



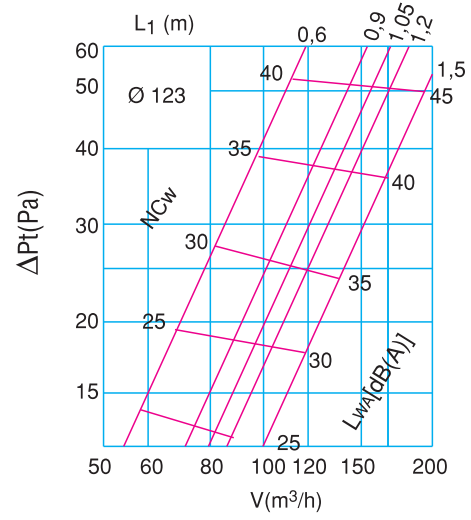
DSL 03

BOĞAZ ÇAPLARINA GÖRE SES SEVİYESİ VE BASINÇ KAYBI

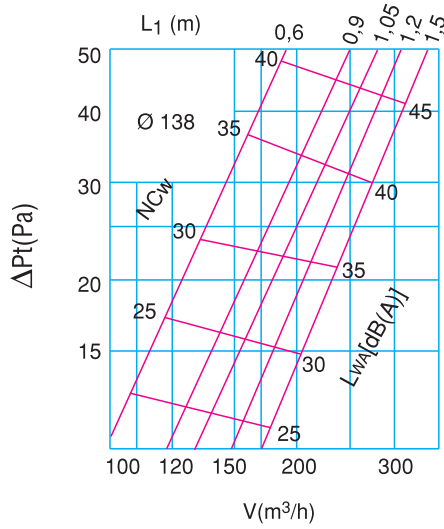
1 SLOT



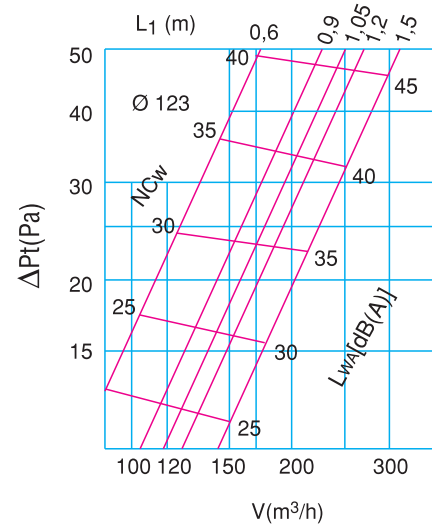
1 SLOT



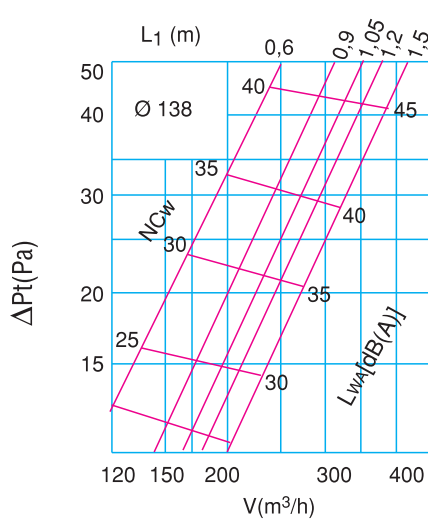
2 SLOT



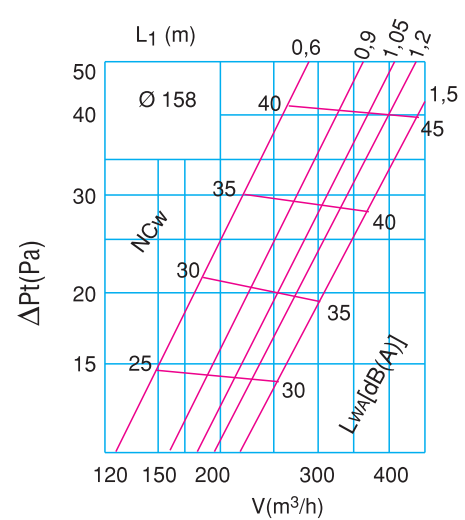
2 SLOT



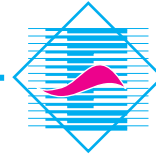
3 SLOT



3 SLOT

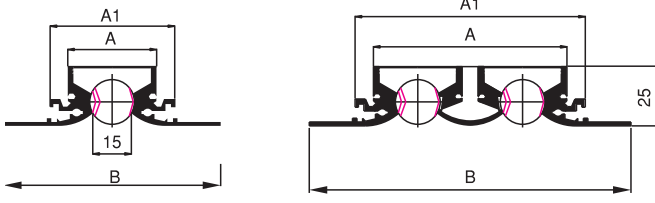


Tüm veriler 1m slot difüzör uzunluğu için verilmiştir,



SLOT DİFÜZÖR DSL 04

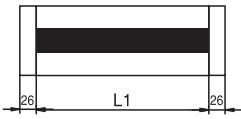
STANDART ÖLÇÜLER



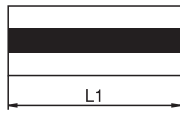
SLOT ÖLÇÜLERİ

	A(mm)	A1(mm)	B(mm)
1 Slot	27	40	68
2 Slot	58	71	100
3 Slot	89	102	130
4 Slot	120	133	160

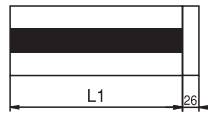
A-Her iki tarafında
yan kapak



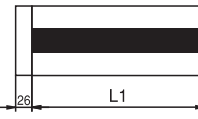
B-Yan kapaksız



R-Sol tarafında
yan kapak

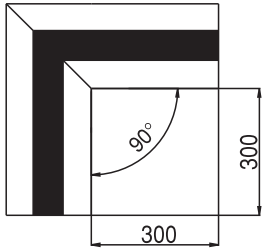


L-Sağ tarafından
yan kapak

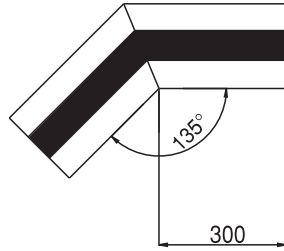


Not: Yan kapak ile ilgili istekler sipariş sırasında belirtilmelidir.

K 90-90°'lik Köşe Slot

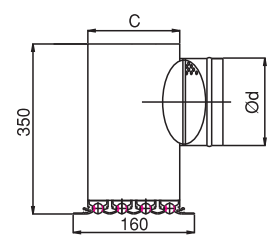
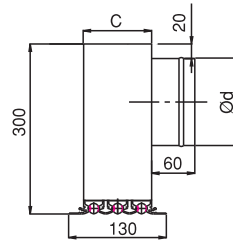
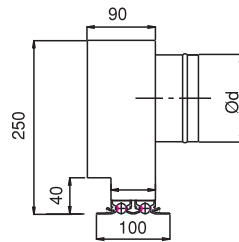
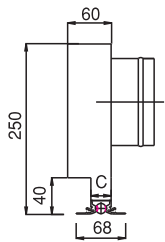


K 135-135°'lik Köşe Slot

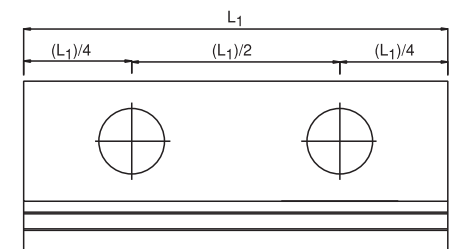


DSL 04

PLENUM BOX ÖLÇÜLERİ

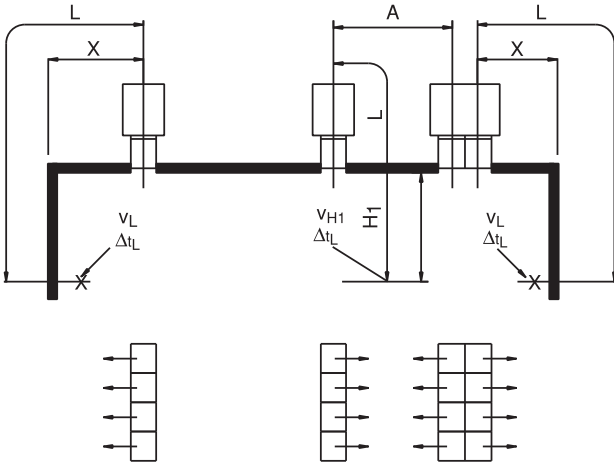


L1(mm)	400-1000	1100-1500	1600-2000	400-2000		
Boğaz Çapı	ØD			h	C	
					C _K	C _A
1 Slot	98x1	98x2	123x2	250	43	30
2 Slot	136x1	123x2	136x2	250	74	61
3 Slot	156x1	136x2	156x2	300	105	92
4 Slot	198x1	156x2	198x2	350	136	123



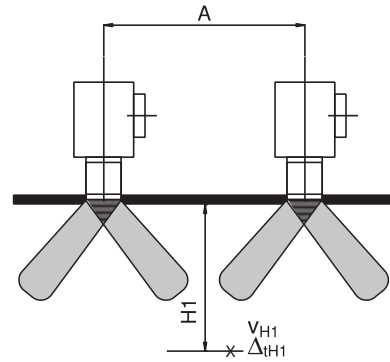
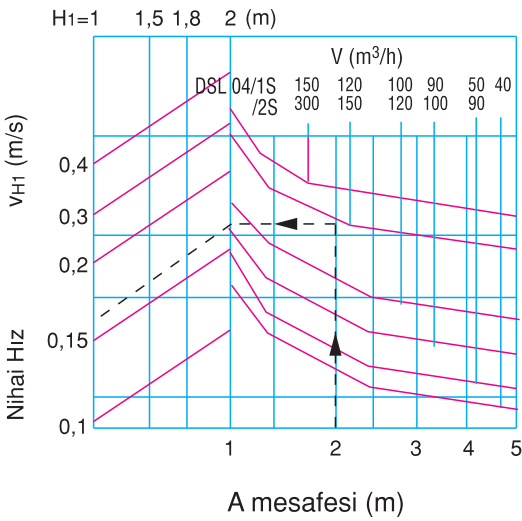
DSL 04

AÇISAL DEĞİŞKEN YÖNLÜ ATIŞ

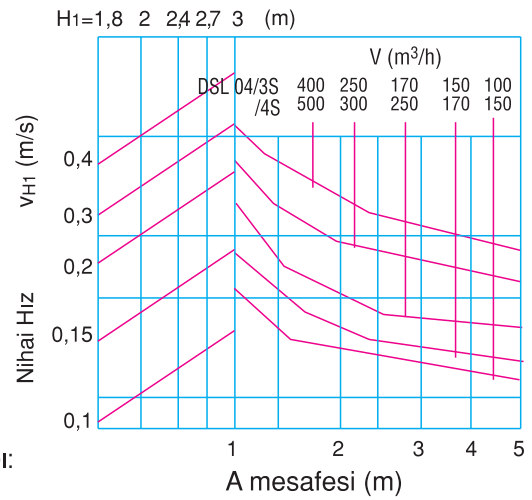


- V (m³/h) : Difüzör üfleme debisi
 $A-B$ (m) : İki difüzör arasındaki mesafe
 x (m) : Difüzör merkezi ile duvar arasındaki mesafe
 H_1 (m) : Tavan ile etkili bölge arasındaki mesafe
 v_{H1} (m/s) : Ortalama sürede, iki difüzör arasında tavadan H_1 mesafesindeki hava akış hızı
 L (m) : Yatay+düşey olarak $(x+H_1)$ mesafesinden duvara hava tahliyesi
 v_L (m/s) : Ortalama sürede duvardaki hava hızı
 Δt_z (K) : Üfleme havası ile oda havası arasındaki sıcaklık farkı
 Δt_L (K) : L mesafesindeki ile oda havası arasındaki sıcaklık farkı
 $L = A/2 + H_1$
 $L = x + H_1$
 ΔP_t (Pa) : Toplam basınç düşüşü
 LWA dB(A) : A-ağırlıklı ses gücü seviyesi

1) İki difüzör arası hız diyagramı



2) İki difüzör arası hız diyagramı



Örnek :

Diyagram 7'den

$L = 500$ mm

$V = 150$ m³/h

$P_t = 20$ Pa

Tablo 1'den

Dikey üflemede klape tam açıkken basınç kaybı:

$P_t = 20$ Pa

Klape tam kapalıyken basınç kaybı:

$P_t = 20 \times 1,91 = 38,2$ Pa

Diyagram 1'den

$A = 2$ m'de

Nihai hız

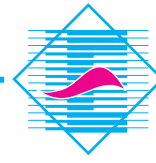
$v_{H1} = 0,18$ m/s

Yatay üflemede klape tam açıkken basınç kaybı:

$P_t = 20 \times 0,86 = 17,2$ Pa

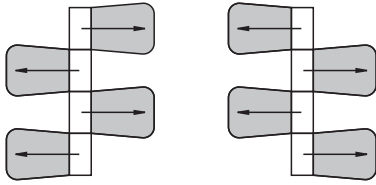
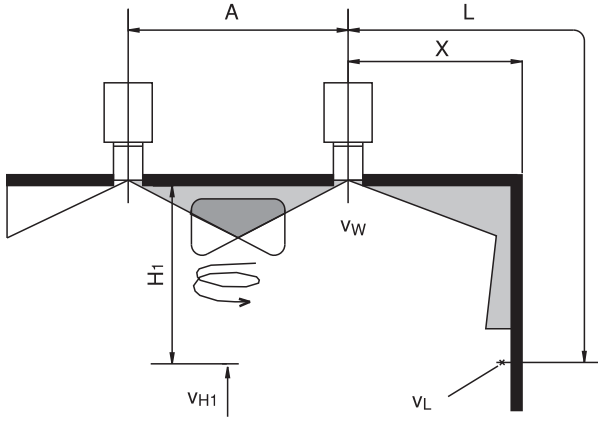
Klape tam kapalıyken basınç kaybı:

$P_t = 20 \times 1,79 = 35,8$ Pa

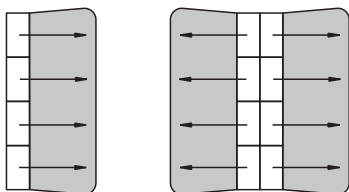
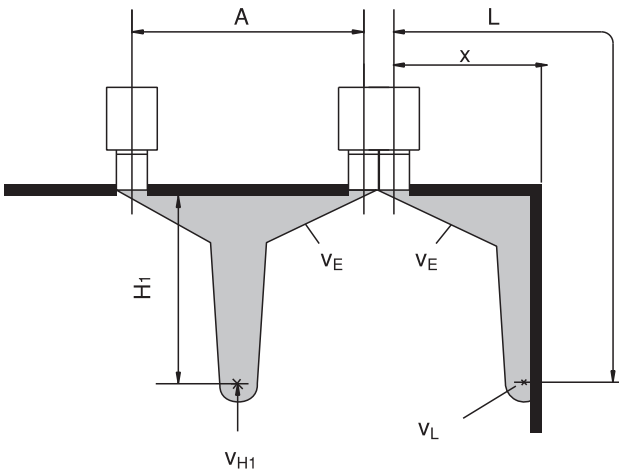


DSL 04

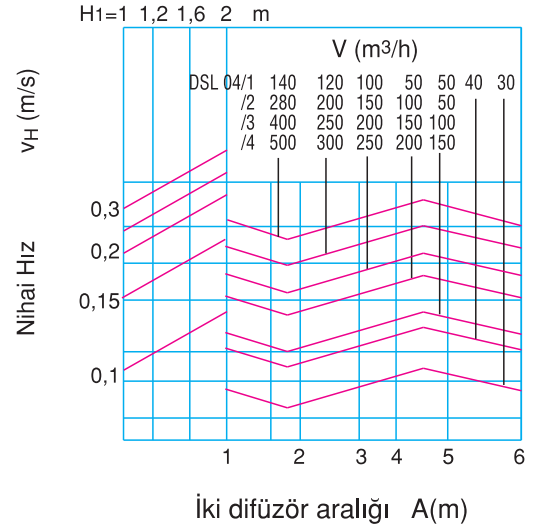
YATAY DEĞİŞKEN YÖNLÜ ATIŞ



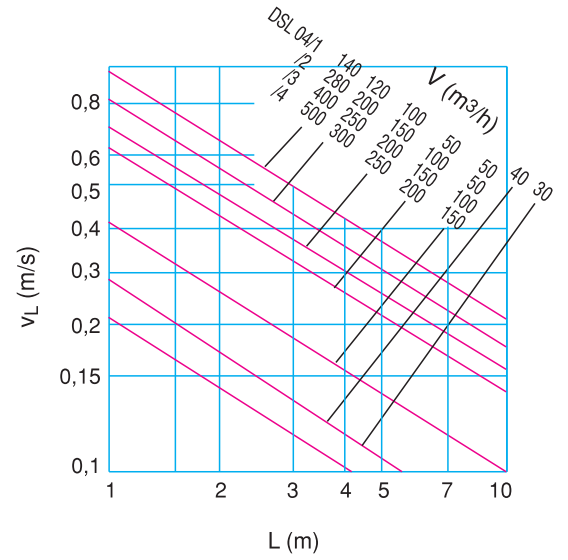
BİR VEYA İKİ YÖNLÜ YATAY ATIŞ



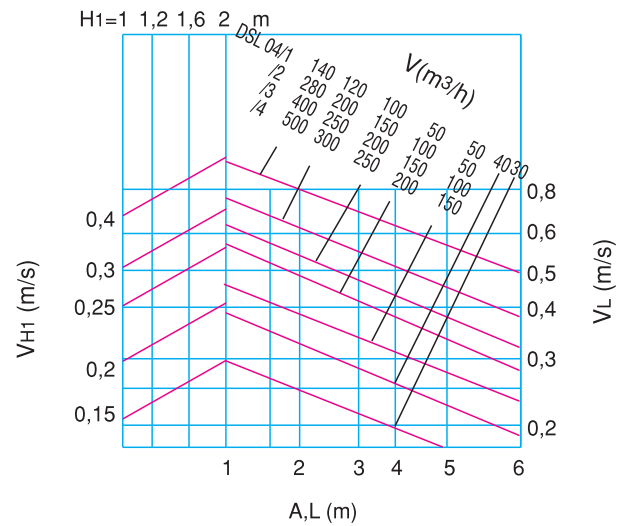
3)

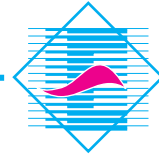


4)



5)

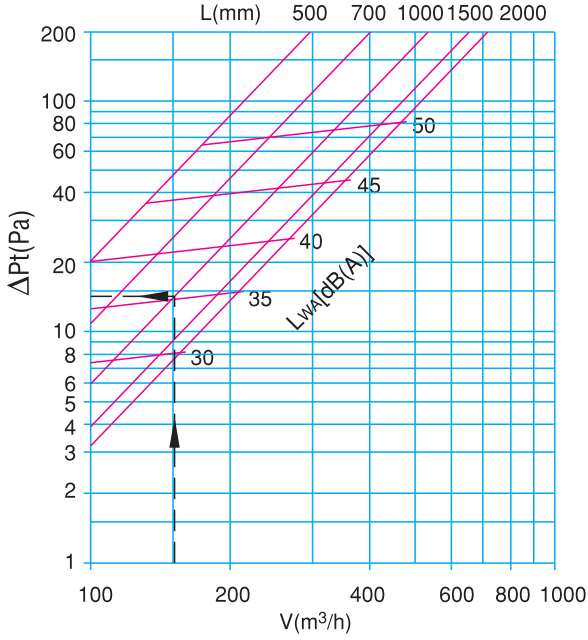




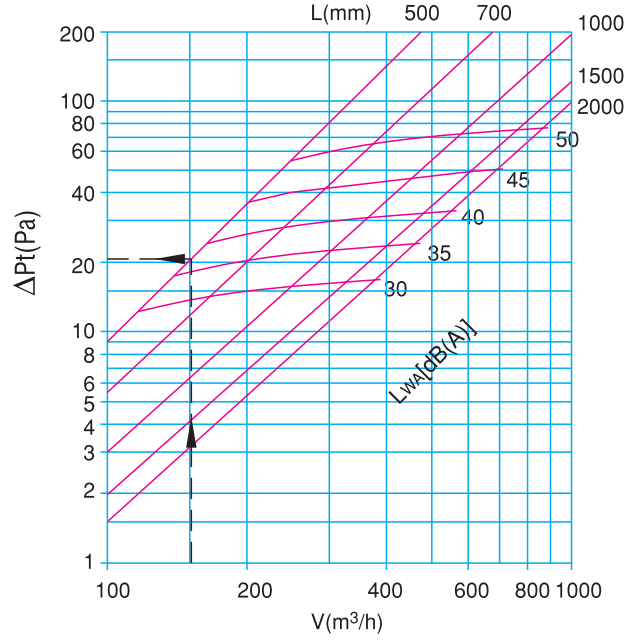
DSL 04

SES SEVİYESİ VE BASINÇ KAYBI DİYAGRAMLARI

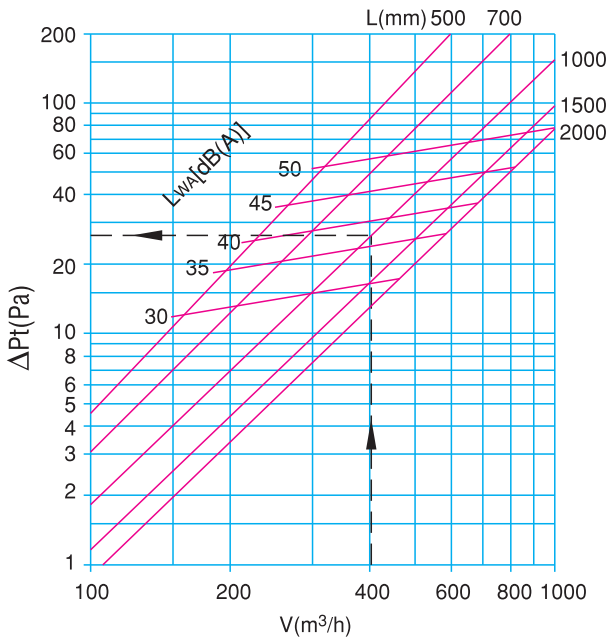
6) 1SLOT



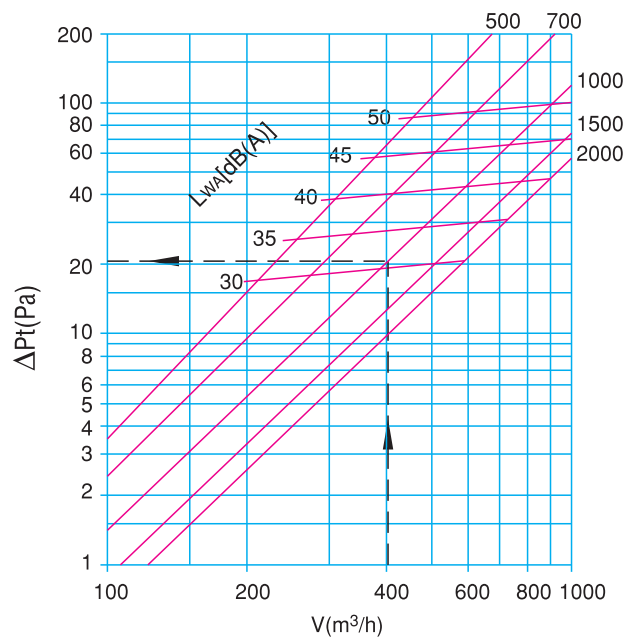
7) 2SLOT



8) 3SLOT



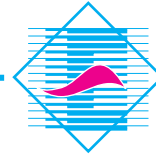
9) 4SLOT



Tablo 1- Klape ve üfleme konumuna göre basınç düşümü düzeltme katsayıları

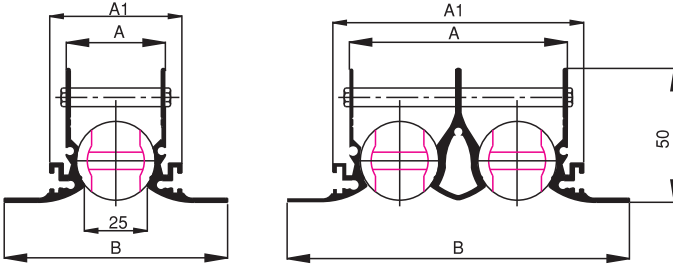
Üfleme Şekli		DİKEY								YATAY							
		Açık				Kapalı				Açık				Kapalı			
Klape konumu		1S	2S	3S	4S	1S	2S	3S	4S	1S	2S	3S	4S	1S	2S	3S	4S
L=500	ΔP_t (Pa)	x1	x1	x1	x1	1,44	1,91	2,37	3,08	0,87	0,86	0,84	0,70	1,34	1,79	2,24	2,91
L=700		x1	x1	x1	x1	2,17	2,84	3,50	4,56	0,92	0,83	0,73	0,61	2,04	2,89	3,75	4,87
L=1000		x1	x1	x1	x1	3,30	5,91	8,52	11,07	0,85	0,70	0,56	0,47	3,02	5,31	7,59	9,87
L=1500		x1	x1	x1	x1	5,26	9,88	14,50	18,85	0,84	0,58	0,32	0,27	4,47	8,67	12,86	16,72
L=2000		x1	x1	x1	x1	7,37	14,10	20,82	27,07	0,81	0,47	0,18	0,15	5,68	11,99	18,29	23,78

Tüm veriler 1m slot difüzör uzunluğu için verilmiştir,



SLOT DİFÜZÖR DSL 05

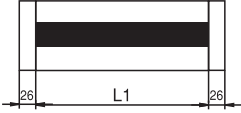
STANDART ÖLÇÜLER



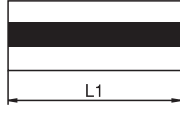
SLOT ÖLÇÜLERİ

	A(mm)	A1(mm)	B(mm)
1 Slot	40	60	85
2 Slot	80	100	130
3 Slot	120	140	175
4 Slot	160	180	220

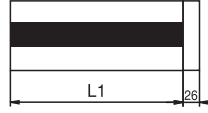
A-Her iki tarafında
yan kapak



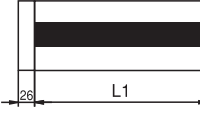
B-Yan kapaksız



R-Sol tarafında
yan kapak

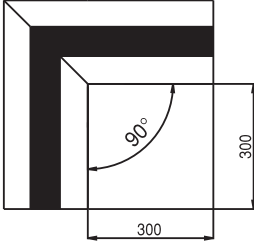


L-Sağ tarafından
yan kapak

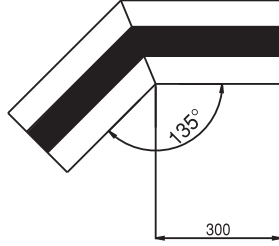


Not: Yan kapak ile ilgili istekler sipariş sırasında belirtilmelidir.

K 90-90°'lik Köşe Slot

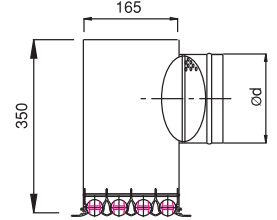
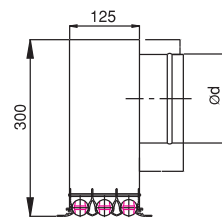
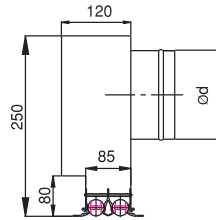
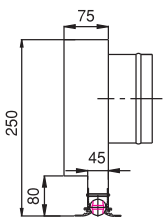


K 135-135°'lik Köşe Slot

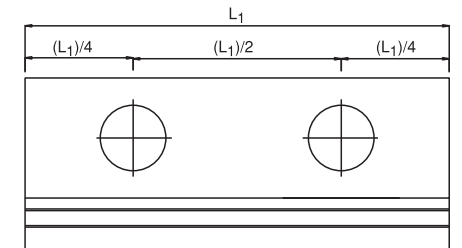


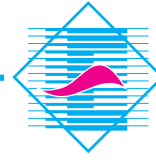
DSL 05

PLENUM BOX ÖLÇÜLERİ



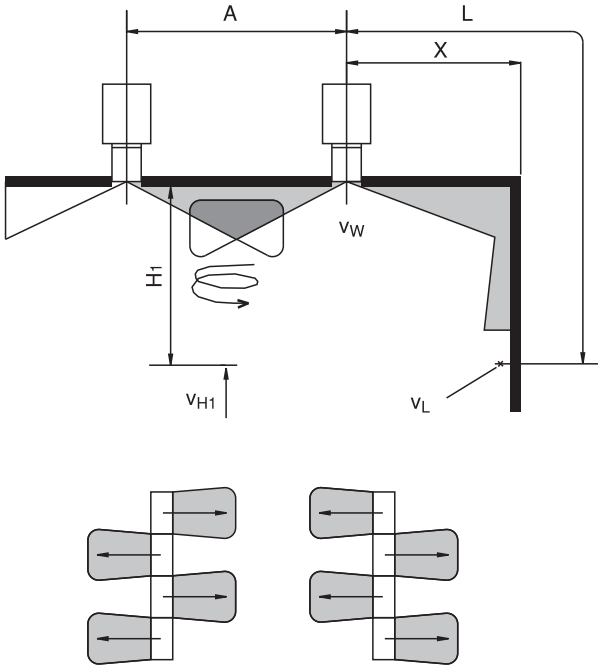
L1(mm)	400-1000	1100-1500	1600-2000	400-2000		
Boğaz Çapı	ØD			h	C _K	C _A
1 Slot	98x1	98x2	123x2	250	55	43
2 Slot	136x1	123x2	136x2	250	95	83
3 Slot	156x1	136x2	156x2	300	135	123
4 Slot	198x1	156x2	198x2	350	175	163



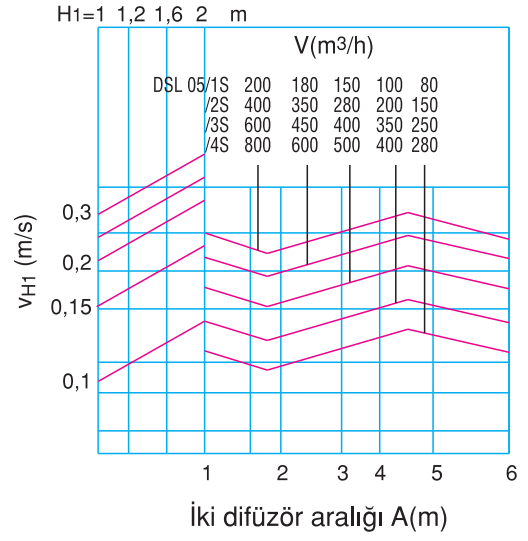


DSL 05

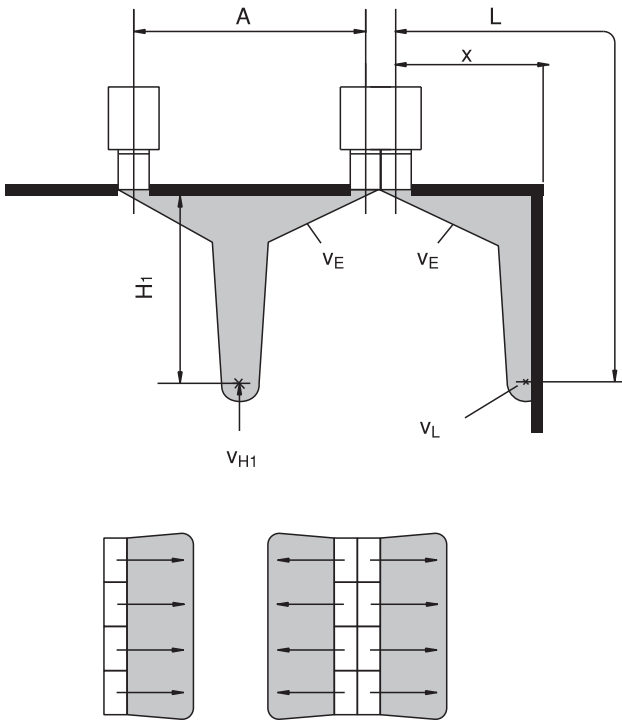
YATAY DEĞİŞKEN YÖNLÜ ATIŞ



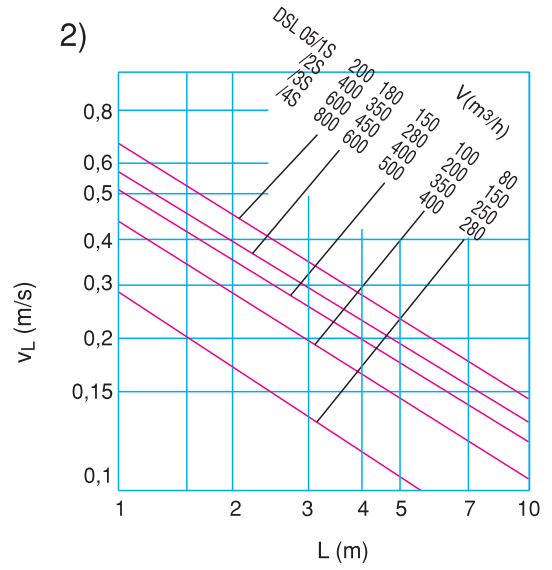
1)



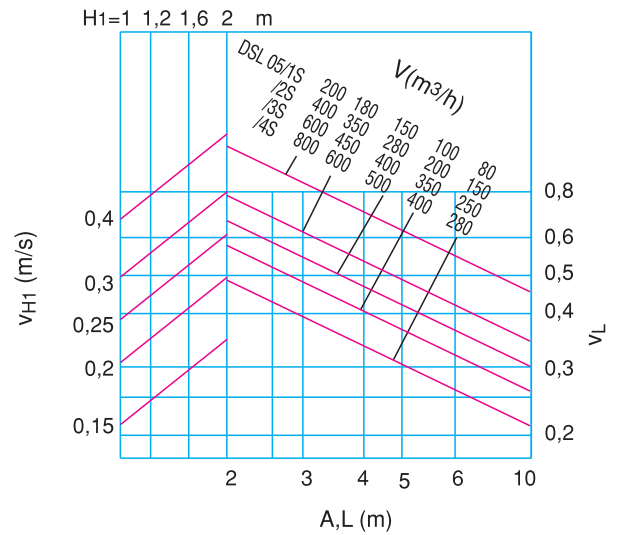
BİR VEYA İKİ YÖNLÜ YATAY ATIŞ

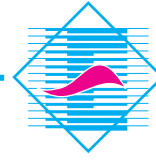


2)



3)

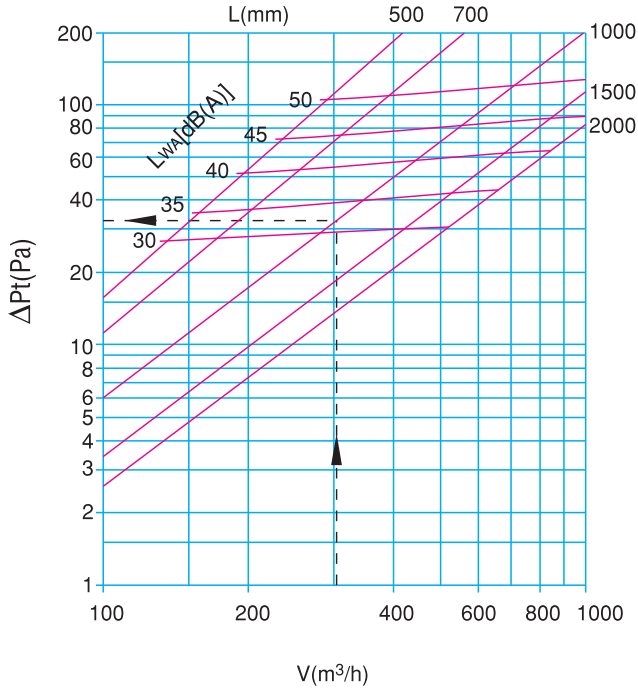




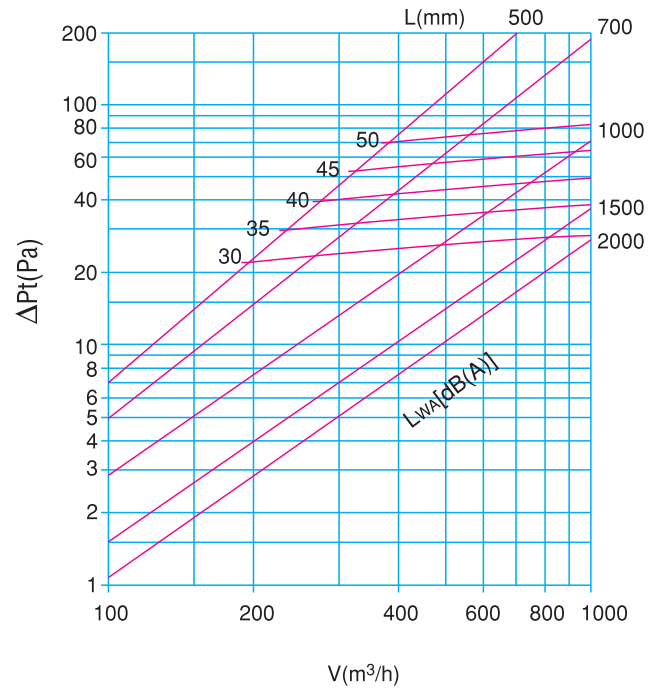
DSL 05

SES SEVİYESİ VE BASINÇ KAYBI DİYAGRAMLARI

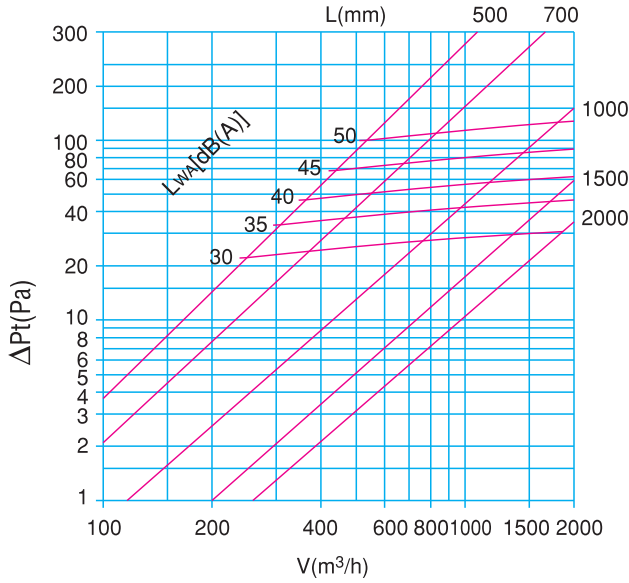
1SLOT



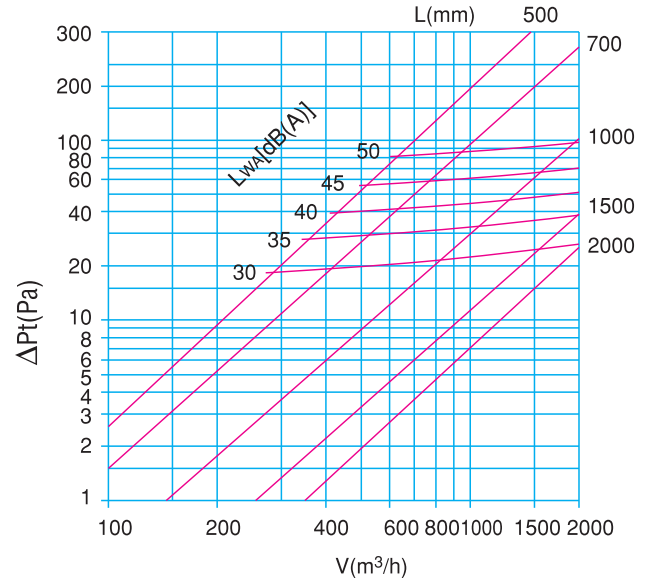
2SLOT



3SLOT



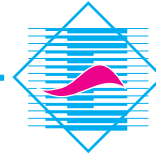
4SLOT



Tablo 1 Klape ve üfleme konumuna göre basınç düşümü düzeltme katsayıları

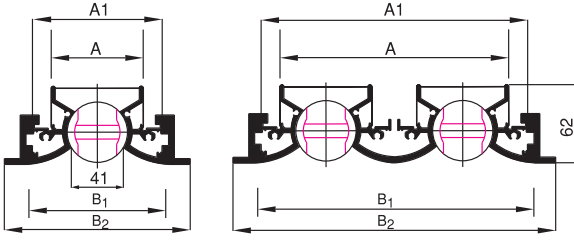
Üfleme Şekli		DİKEY								YATAY							
Klape konumu		Açık				Kapalı				Açık				Kapalı			
		1S	2S	3S	4S	1S	2S	3S	4S	1S	2S	3S	4S	1S	2S	3S	4S
L=500	ΔPt(Pa)	x1	x1	x1	x1	1,81	2,11	2,41	3,14	0,76	0,53	0,33	0,28	1,31	1,59	1,87	2,43
L=700		x1	x1	x1	x1	2,22	3,15	4,07	5,30	0,62	0,41	0,24	0,21	1,75	2,67	3,60	4,68
L=1000		x1	x1	x1	x1	3,83	8,84	13,86	18,02	0,42	0,29	0,19	0,15	3,23	7,96	12,69	16,50
L=1500		x1	x1	x1	x1	5,80	15,36	24,92	32,34	0,28	0,20	0,16	0,13	5,11	14,14	23,17	28,12
L=2000		x1	x1	x1	x1	7,87	22,32	36,76	49,79	0,19	0,14	0,13	0,10	7,07	20,70	31,33	39,63

Tüm veriler 1m slot difüzör uzunluğu için verilmiştir,



SLOT DİFÜZÖR DSL 06

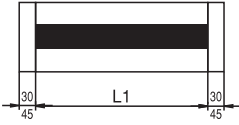
STANDART ÖLÇÜLER



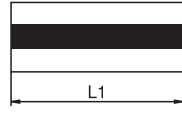
SLOT ÖLÇÜLERİ

	A(mm)	A1(mm)	B1(mm)	B2(mm)
1 Slot	67	102	100	130
2 Slot	167	200	200	230
3 Slot	267	299	300	330

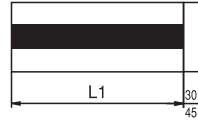
A-Her iki tarafında
yan kapak



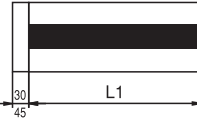
B-Yan kapaksız



R-Sol tarafında
yan kapak

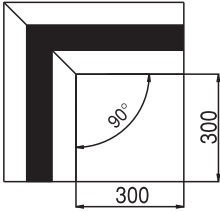


L-Sağ tarafında
yan kapak

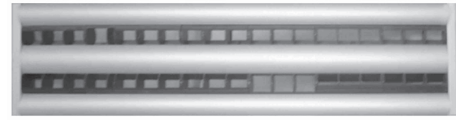
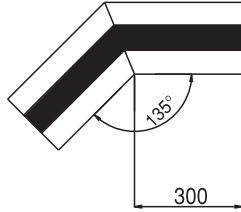


Not: Yan kapak ile ilgili istekler sipariş sırasında belirtilmelidir.

K 90-90°'lik Köşe Slot

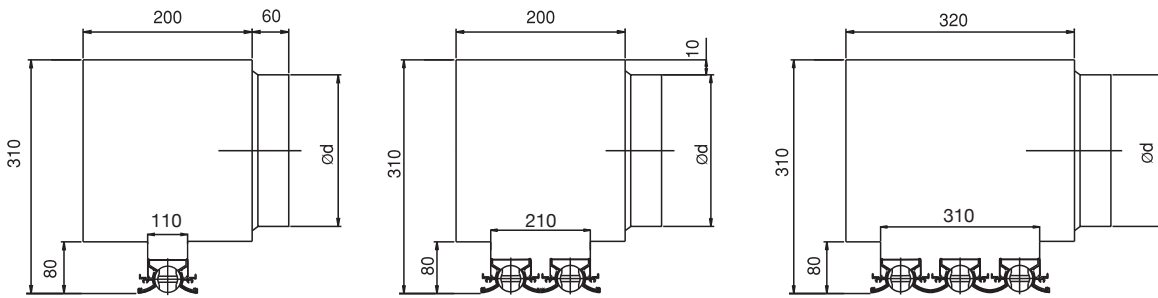


K 135-135°'lik Köşe Slot



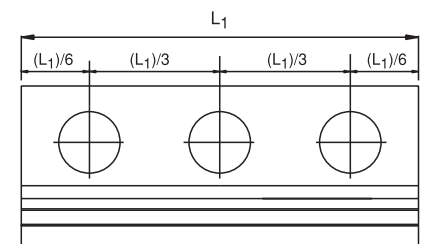
DSL 06

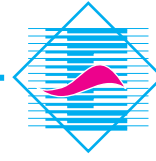
PLENUM BOX ÖLÇÜLERİ



Plenum Box Uzunluğuna Göre Kutu Yükseklikleri ve Boğaz Çapları

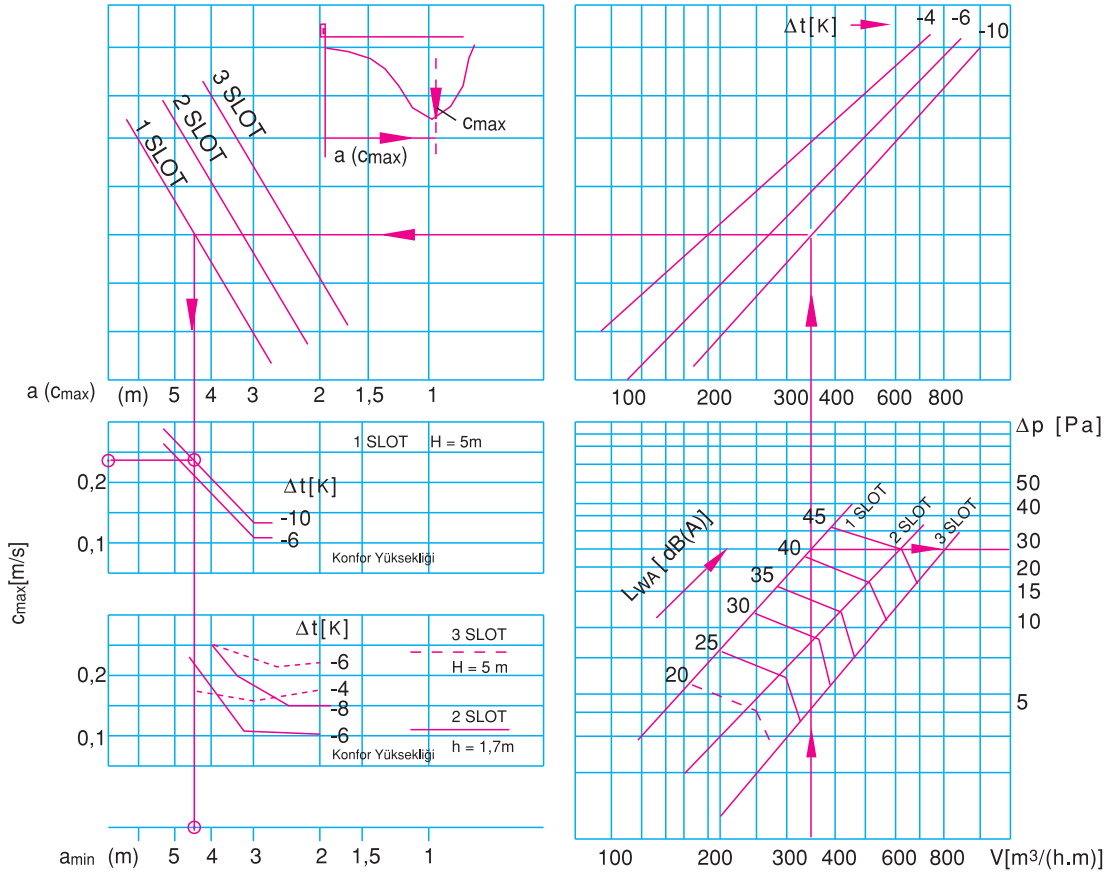
L1(mm)	300-600	900-1200	1500-2100	300-2100
Boğaz Çapı	ØD			h
1 Slot	198x1	198x2	198x3	310
2 Slot	198x1	198x2	198x3	310
3 Slot	198x1	198x2	198x3	310





DSL 06

SEÇİM GRAFİĞİ



Tüm veriler 1m slot difüzör uzunluğu için verilmiştir,

Diyagramlar, 5m oda yüksekliği ve standart ayarlanmış slotlara göre çizilmiştir. En iyi sonucu elde etmek için hava debisinin, proje tipine uygun şekilde ayarlanmış olması gerekmektedir.

- V (m³/h.m) : Difüzör üfleme debisi
 t_z (°K) : Üfleme hava sıcaklığı
 t oda (°K) : Oda sıcaklığı
 Δt (°K) : Üflenen hava ile oda sıcaklığı arasındaki sıcaklık farkı
 Δp (Pa) : Toplam basınç düşümü
 LWA (dB(A)) : Ağırlıklı ses gücü seviyesi
 a (c_{max}) (m) : Etki alanı ve slot arasındaki mesafe
 c_{max} (m/s) : Etki alanındaki hız

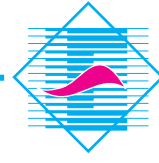
İki slot arasındaki tavsiye edilen minimum uzaklık, yüksek sıcaklık farkları olduğu takdirde, $a(c_{max})$ değerinden daha düşük olmaması gerekmektedir.

Örnek Seçim:

1 Slot metre başına hava debisi: $V = 360$ m³/h.m

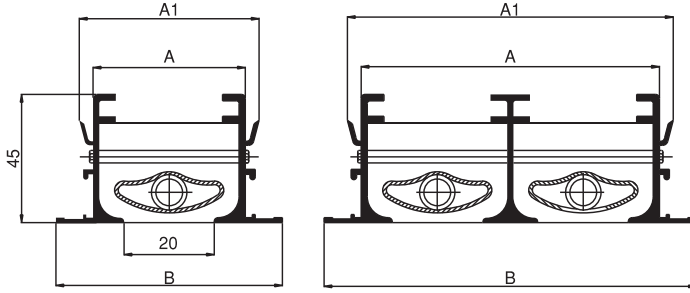
DSL 06 için elde edilen teknik veriler;

- Δp = 26 Pa
 LWA = 41 dB(A)
 Δt = -10 °K
 $a(c_{max})$ = 4,4m
 c_{max} < 0,27m/s



SLOT DİFÜZÖR DSL 07

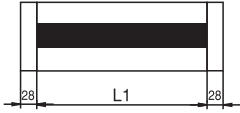
STANDART ÖLÇÜLER



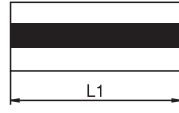
SLOT ÖLÇÜLERİ

	A(mm)	A1(mm)	B(mm)
1 Slot	40	50	76
2 Slot	80	90	115
3 Slot	120	130	155
4 Slot	160	170	195

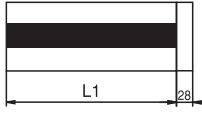
A-Her iki tarafında
yan kapak



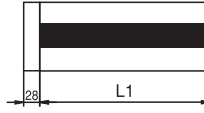
B-Yan kapaksız



R-Sol tarafında
yan kapak

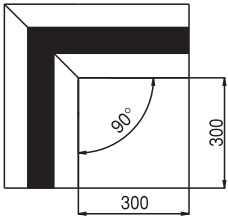


L-Sağ taraftan
yan kapak

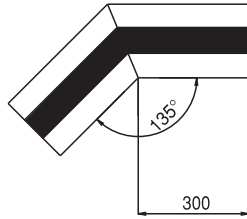


Not: Yan kapak ile ilgili istekler sipariş sırasında belirtilmelidir. Standart olarak, slotların her iki tarafına yan kapakları takılmaktadır.

K 90-90°'lik Köşe Slot

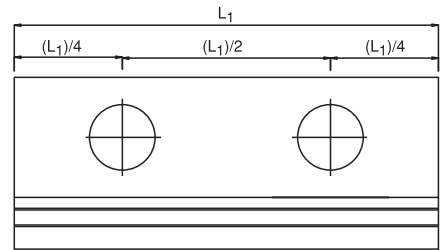


K 135-135°'lik Köşe Slot

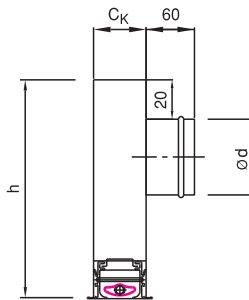


DSL 07

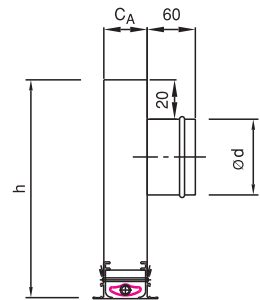
PLENUM BOX ÖLÇÜLERİ



Köprülü Tip Montaj

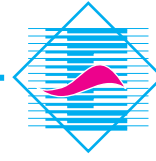


Askılı Tip Montaj



Plenum Box Uzunluğuna Göre Kutu Yükseklikleri ve Boğaz Çapları

L1(mm)	400-1000	1100-1500	400-1500		
Boğaz Sayısı	Tek	İki			
	ØD		h	C _K	C _A
1 Slot	123	123	250	53	43
2 Slot	148	148	250	93	83
3 Slot	198	198	300	133	123
4 Slot	248	248	350	173	163

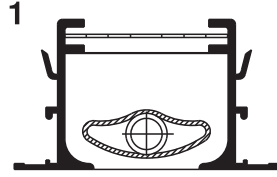


DSL 07

Kanat Pozisyonu

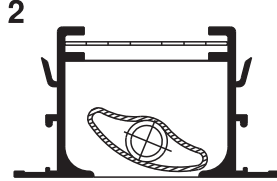
Bir Slot için Hava Debisi

İki Difüzör Arasındaki Minimum Mesafe



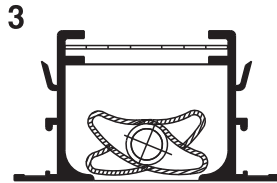
30 m³/h.m

1 m



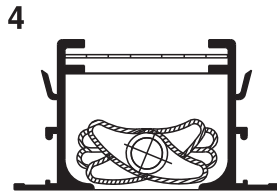
60 m³/h.m

3,5 m



80 m³/h.m

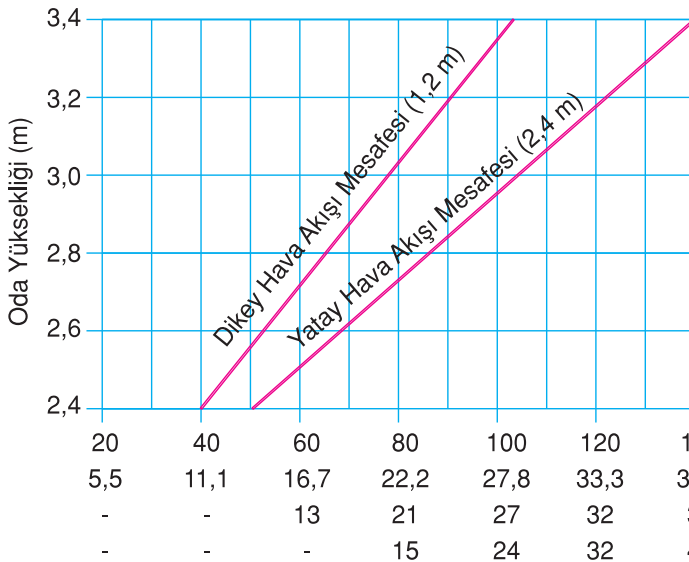
2,5 m



100 m³/h.m

2,5 m

4'olu Kanat pozisyonu için hızlı seçim tablosu

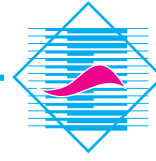


V(m³/h.m) : Metre başına üflenen hava debisi

V(I/s.m) : Metre başına üflenen hava debisi

LWA [dB(A)] : Ses seviyesi

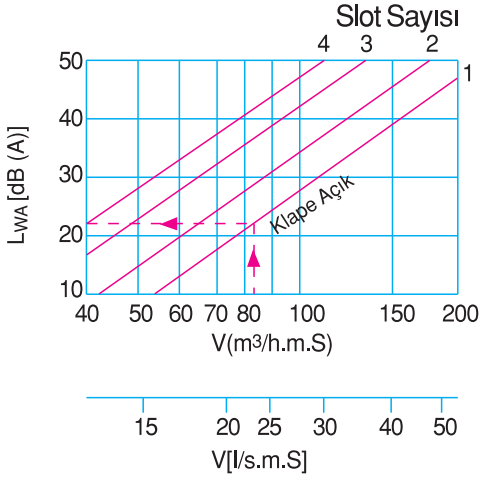
ΔPt(Pa) : Basınç kaybı



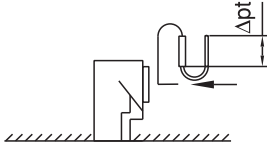
DSL 07

ÜFLEME VE EMİŞ HAVALARI

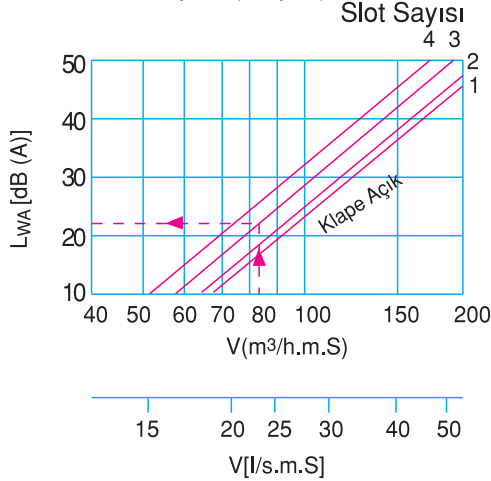
Üfleme Hava
Ses Seviyesi (Klapeli)



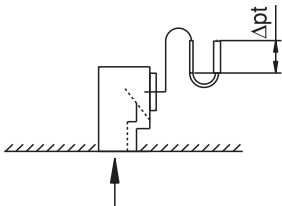
Klapeli "Kapalı" +4 dB (A)



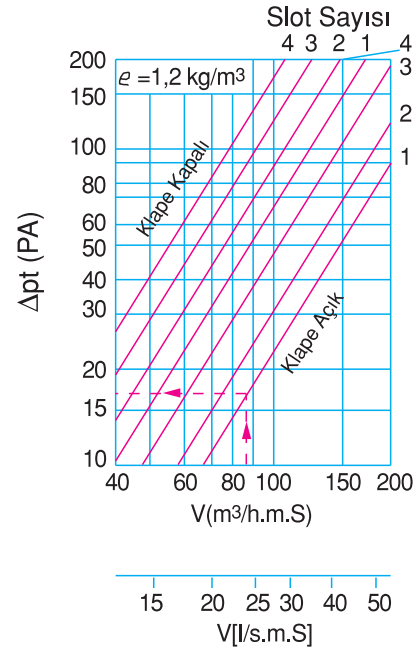
Emiş Hava
Ses Seviyesi (Klapeli)



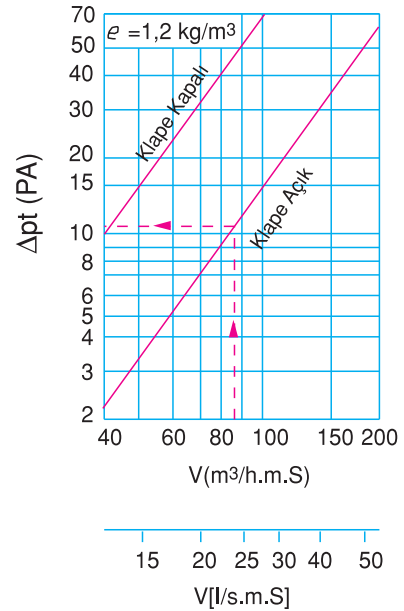
Klapeli "Kapalı" +16 dB (A)



Üfleme Hava
Toplam Basınç Kaybı

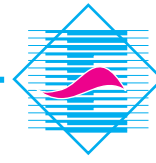


Emiş Hava
Toplam Basınç Kaybı

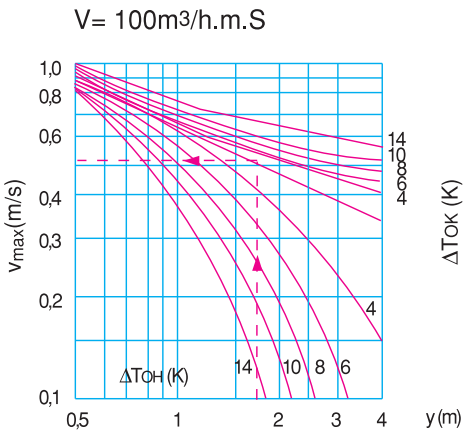
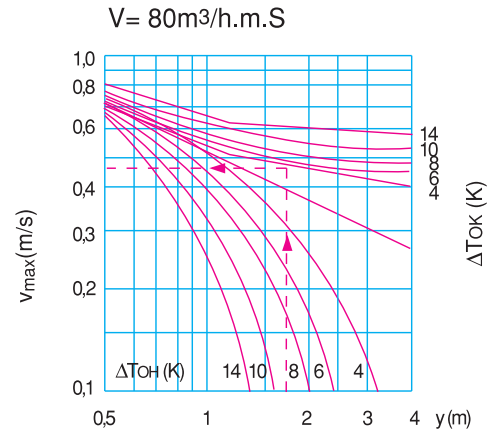
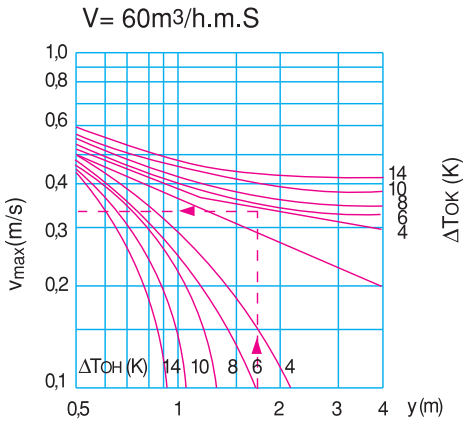
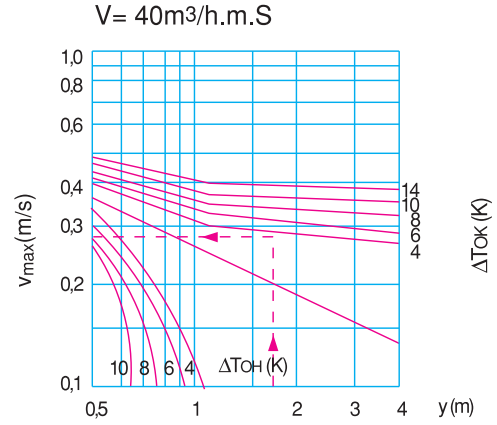
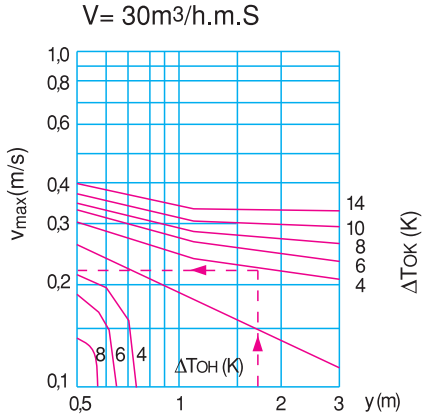


V (m³/h.m) : Metre başına 1 slottaki üflenilen hava debisi
V (l/s.m) : Metre başına 1 slottaki üflenilen hava debisi
LWA [dB(A)] : Ses seviyesi
ΔPt(Pa) : Basınç kaybı

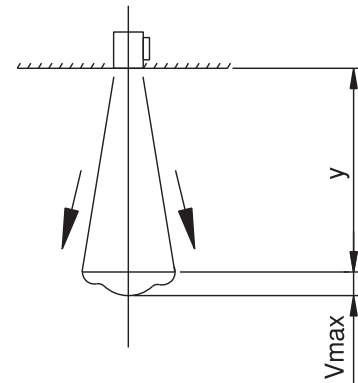
Difüzör Uzunluğu (m)	1	1,5	2	2,5	3	4	5
Düzeltilme faktörü [dB(A)]	0	1,8	3	4	4,7	6	7



1 Numaralı Kanat Pozisyonuna Göre Hedef Bölgedeki Hava Hızı

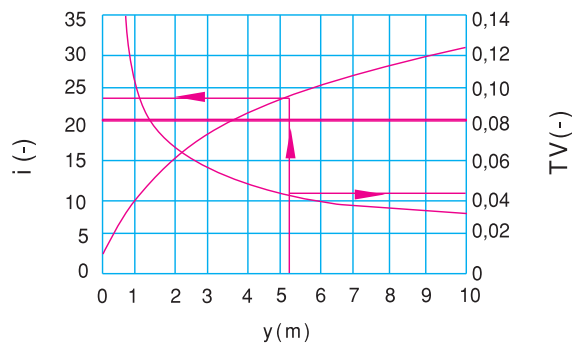


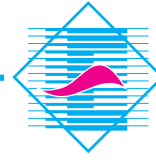
Hedef Bölgedeki Hava Hızı ve Sıcaklık Oranı



- 1 - slot : x 1
- 2 - slot : x 1,3
- 3 - slot : x 1,6

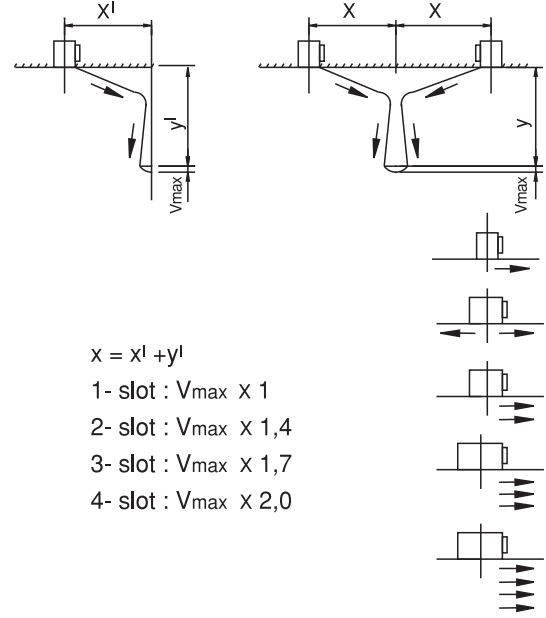
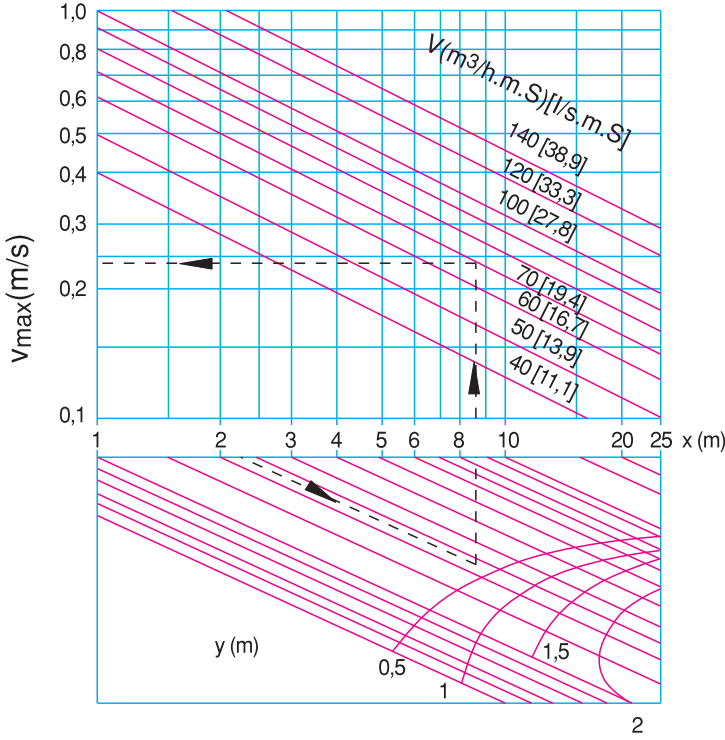
İndüksiyon ve Sıcaklık Oranı



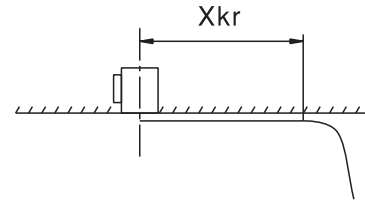
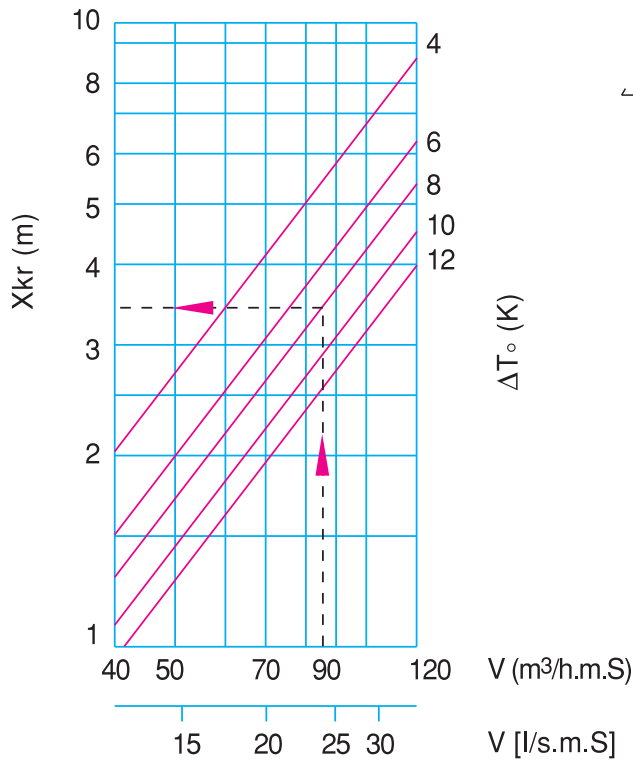


DSL 07

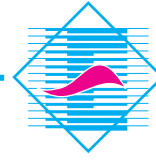
2 Numaralı Kanat Pozisyonu, Tek Yollu Hava Çıkışına Göre Hedef Bölgedeki Hava Hızı



Kritik Akış Hattı

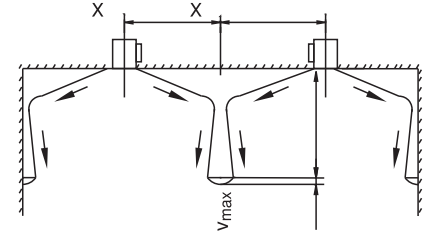
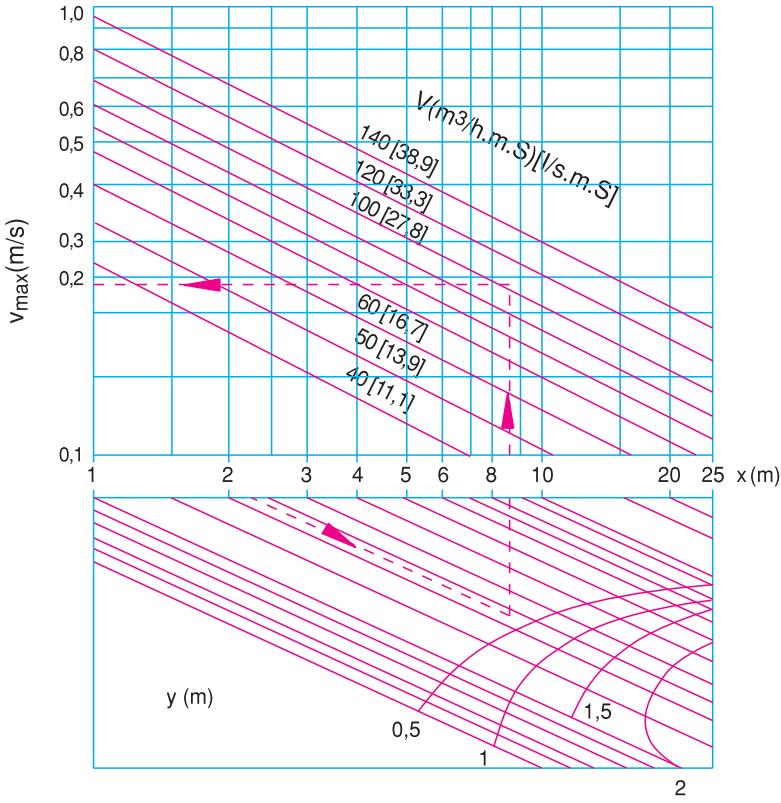


- 1- slot : $x_{\text{kr}} \times 1$
- 2- slot : $x_{\text{kr}} \times 1,26$
- 3- slot : $x_{\text{kr}} \times 1,44$
- 4- slot : $x_{\text{kr}} \times 1,64$



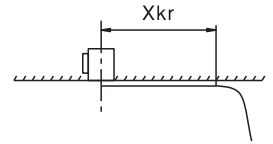
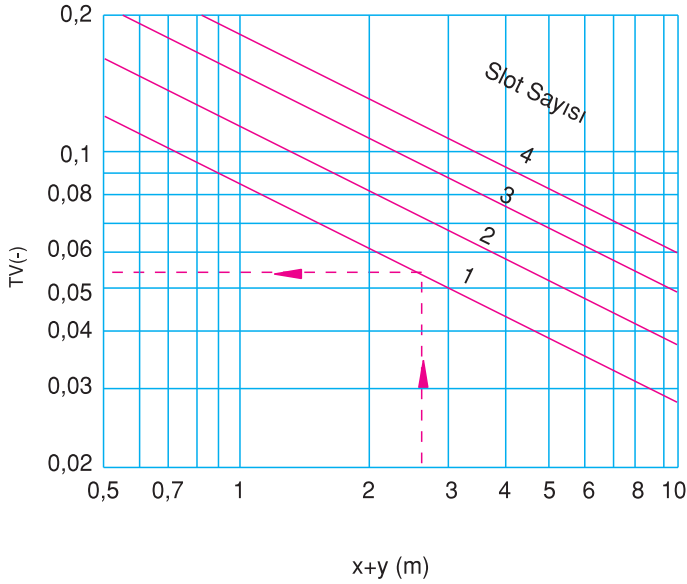
DSL 07

3 Numaralı Kanat Pozisyonu, Çift Yollu Hava Çıkışına Göre Hedef Bölgedeki Hava Hızı

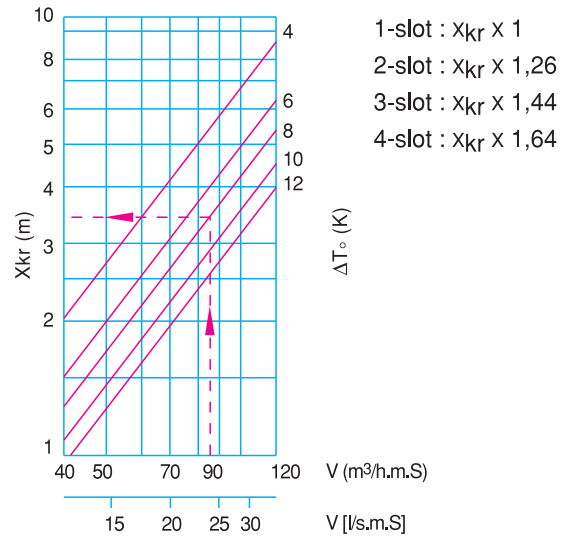


- 1- slot : $V_{max} \times 1$
- 2- slot : $V_{max} \times 1,4$
- 3- slot : $V_{max} \times 1,86$
- 4- slot : $V_{max} \times 2,0$

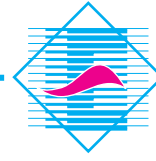
Sıcaklık Oranı



Kritik Akış Hattı

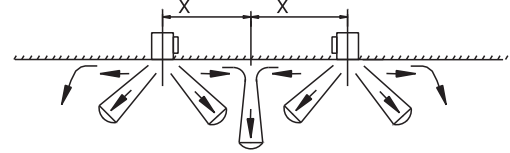
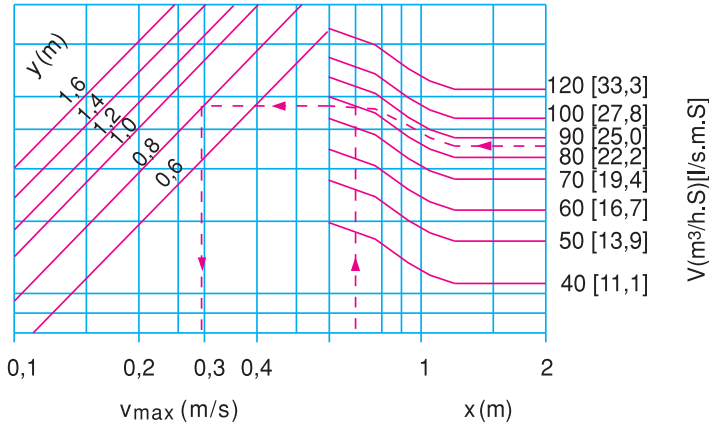


- 1-slot : $X_{kr} \times 1$
- 2-slot : $X_{kr} \times 1,26$
- 3-slot : $X_{kr} \times 1,44$
- 4-slot : $X_{kr} \times 1,64$

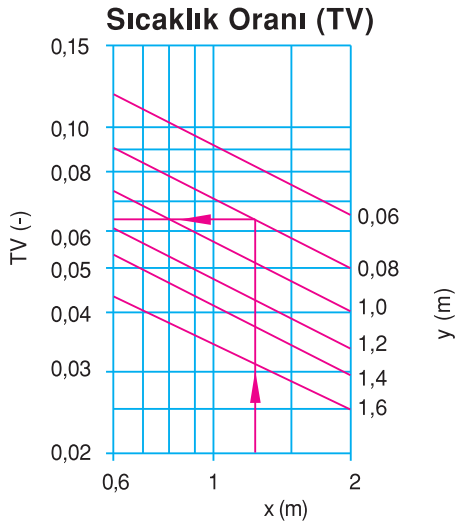


DSL 07

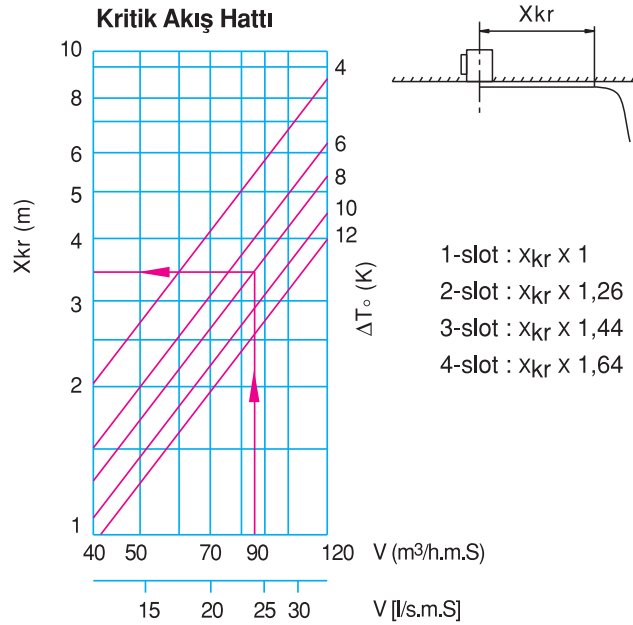
4 Numaralı Kanat Pozisyonu, Dairesel Hava Akımına Göre Hedef Bölgedeki Hava Hızı



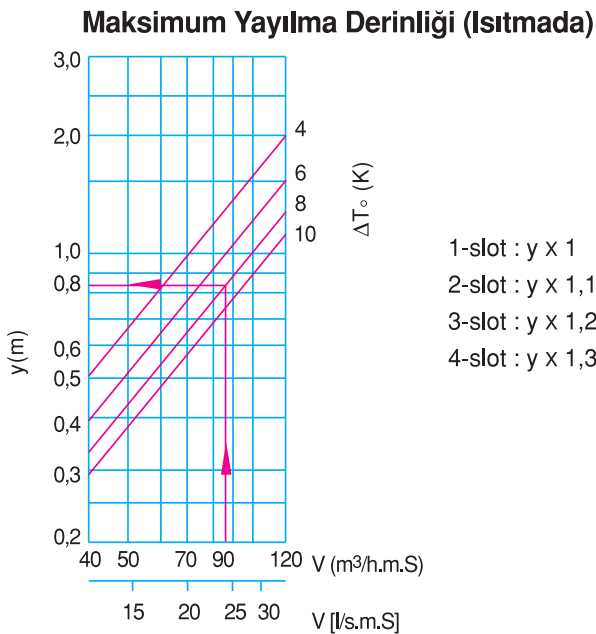
- 1-slot : $V_{\max} \times 1$
- 2-slot : $V_{\max} \times 1,4$
- 3-slot : $V_{\max} \times 1,86$
- 4-slot : $V_{\max} \times 2,0$



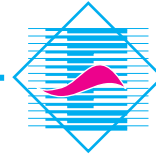
- 1-slot : $TV \times 1$
- 2-slot : $TV \times 1,4$
- 3-slot : $TV \times 1,7$
- 4-slot : $TV \times 2,0$



- 1-slot : $X_{kr} \times 1$
- 2-slot : $X_{kr} \times 1,26$
- 3-slot : $X_{kr} \times 1,44$
- 4-slot : $X_{kr} \times 1,64$

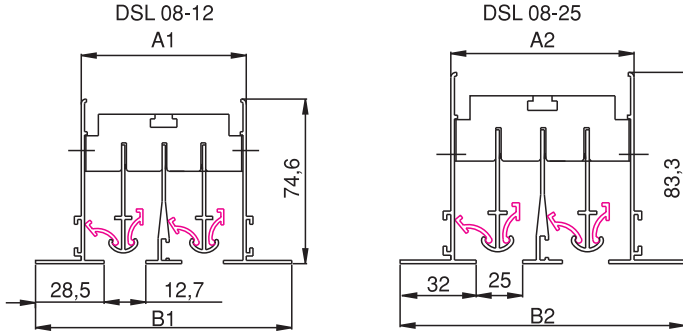


- 1-slot : $y \times 1$
- 2-slot : $y \times 1,1$
- 3-slot : $y \times 1,2$
- 4-slot : $y \times 1,3$



SLOT DİFÜZÖR DSL 08

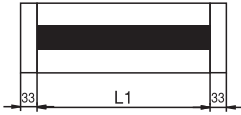
STANDART ÖLÇÜLER



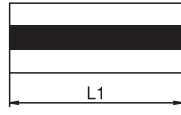
SLOT ÖLÇÜLERİ

	DSL08-12		DSL08-25	
	A1	B1	A2	B2
1 Slot	40	77	51	88
2 Slot	70	107	102	139
3 Slot	100	137	153	190
4 Slot	130	167	204	241

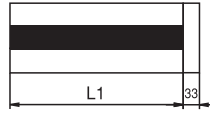
Her iki tarafında
yan kapak



Yan kapaksız

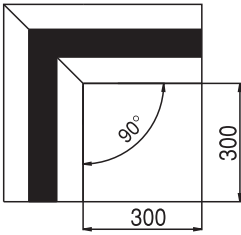


Tek tarafından
yan kapak

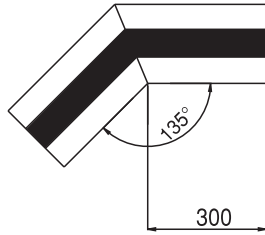


Not: Yan kapak ile ilgili istekler sipariş sırasında belirtilmelidir.

90°'lik Köşe Slot

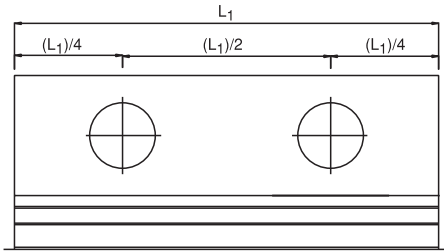


135°'lik Köşe Slot

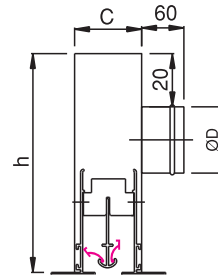


DSL 08

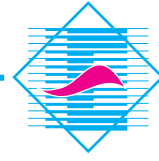
PLENUM BOX ÖLÇÜLERİ



Köprülü Tip Montaj



		ØD	h	c
DSL 08-12	1 Slot	123	200	50
	2 Slot	148	250	80
	3 Slot	198	300	110
	4 Slot	198	300	140
DSL 08-25	1 Slot	123	200	65
	2 Slot	148	250	115
	3 Slot	198	300	165
	4 Slot	248	350	215



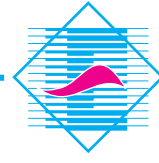
YATAY YÖNLÜ ATIŞ (ÜFLEME HAVASI)

DEBİ (m³/h)	1 SLOT				2 SLOT				3 SLOT				4 SLOT			
	DPt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)	
			min.	maks.			min.	maks.			min.	maks.			min.	maks.
55	5,08	-	0,92	3,05												
85	10,16	19	1,53	4,58	2,54	-	0,92	3,36								
110	15,24	26	1,83	5,19	5,08	-	1,22	4,27								
140	25,40	32	2,44	5,80	7,62	17	1,53	5,19	2,54	-	1,22	4,58				
165	35,56	37	2,75	6,40	10,16	22	2,14	6,10	5,08	-	1,525	5,49	2,54	-	1,22	4,58
195	48,26	41	3,05	7,02	12,70	26	2,44	6,71	5,08	18	1,83	6,41	2,54	-	1,525	5,49
225					17,78	29	2,75	7,32	7,62	21	2,135	7,02	5,08	-	1,83	6,10
250					20,32	32	3,05	7,93	10,16	24	2,44	7,63	5,08	-	2,135	7,02
280					25,40	35	3,36	8,24	12,70	26	2,745	7,93	7,62	20	2,44	7,63
335					38,10	40	3,97	9,15	17,78	31	3,355	9,15	10,16	25	2,745	8,85
390									22,86	35	3,66	10,07	12,70	29	3,355	9,76
445									27,94	39	4,27	10,68	15,24	32	3,66	10,37
500									38,10	42	4,88	11,29	20,32	35	4,27	10,98
555													25,40	38	4,575	11,59
670													38,10	43	5,49	12,81
	5 SLOT				6 SLOT				7 SLOT				8 SLOT			
	Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)	
			min.	maks.				min.			maks.				min.	maks.
195	2,54	-	1,22	4,88												
225	2,54	-	1,53	5,49	2,54	-	1,22	5,19								
250	2,54	-	1,83	6,41	2,54	-	1,53	5,80								
280	5,08	-	2,14	7,02	2,54	-	1,83	6,41	2,54	-	1,525	6,10	2,54	-	1,22	5,49
335	5,08	20	2,44	8,54	5,08	-	2,44	7,63	2,54	-	1,83	7,02	2,54	-	1,53	6,71
390	7,62	24	3,05	9,76	5,08	20	2,75	8,85	5,08	-	2,44	8,24	2,54	-	2,14	7,63
445	10,16	28	3,36	10,68	7,62	24	3,05	10,07	5,08	21	2,745	9,46	5,08	18	2,75	8,85
500	12,70	31	3,66	10,98	10,16	27	3,36	10,68	7,62	24	3,05	10,37	5,08	21	3,05	9,76
555	15,24	33	4,27	11,90	12,70	30	3,97	11,59	7,62	26	3,66	11,29	7,62	23	3,36	10,98
670	22,86	38	4,88	13,12	15,24	34	4,58	12,81	12,70	31	4,27	12,51	10,16	28	3,97	12,51
780	33,02	42	5,80	14,03	22,86	38	5,19	13,73	17,78	35	4,88	13,42	12,70	32	4,58	13,42
890					30,48	42	6,10	14,95	22,86	38	5,49	14,64	15,24	35	5,19	14,64
1000									27,94	41	6,405	15,56	20,32	38	5,80	15,25
1115													25,40	41	6,41	16,47

DİKEY YÖNLÜ ATIŞ (ÜFLEME HAVASI)

DEBİ (m³/h)	1 SLOT				2 SLOT				3 SLOT				4 SLOT			
	Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)	
			min.	maks.			min.	maks.			min.	maks.			min.	maks.
55	2,54	-	0,915	1,53												
85	5,08	-	1,22	2,14												
110	7,62	-	1,525	2,75	2,54	-	1,22	2,14								
140	12,70	19	2,135	3,36	2,54	-	1,53	2,75								
165	17,78	23	2,44	4,27	5,08	-	1,83	3,05	2,54	-	1,22	2,14				
195	25,40	27	2,745	4,58	5,08	-	1,83	3,36	2,54	-	1,525	2,75				
225	33,02	30	3,05	4,88	7,62	-	2,14	3,66	2,54	-	1,83	3,36				
250	40,64	33	3,355	5,49	10,16	18	2,44	4,27	5,08	-	2,135	3,66	2,54	-	1,83	3,05
280	50,80	36	3,965	6,405	12,70	21	3,05	4,88	5,08	-	2,44	4,27	2,54	-	2,135	3,66
335	73,66	41	4,575	7,32	17,78	26	3,36	5,49	7,62	18	2,745	4,58	5,08	-	2,44	4,27
390					25,40	30	3,97	6,41	10,16	22	3,05	4,88	5,08	-	2,745	4,58
445					33,02	34	4,58	7,32	15,24	25	3,66	5,80	7,62	19	3,05	4,88
500					40,64	37	5,19	7,93	17,78	28	3,965	6,41	10,16	22	3,66	5,80
555					50,80	39	5,80	9,15	22,86	31	4,575	7,32	12,70	24	3,965	6,41
670					60,96	42	6,71	10,98	33,02	36	5,49	8,85	17,78	29	4,575	7,32
780									45,72	40	6,405	10,07	25,40	33	5,49	8,85
	5 SLOT				6 SLOT				7 SLOT				8 SLOT			
	Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)		Pt (Pa)	NC	LT (m)	
			min.	maks.			min.	maks.			min.	maks.			min.	maks.
195																
225	2,54	-	1,22	2,14												
250	2,54	-	1,53	2,75												
280	2,54	-	1,83	3,05	2,54	-	1,53	2,75								
335	2,54	-	2,14	3,36	2,54	-	1,83	3,05	2,54	-	1,83	3,05				
390	5,08	-	2,44	4,27	2,54	-	2,14	3,36	2,54	-	2,135	3,36	2,54	-	1,83	3,05
445	5,08	-	2,75	4,88	2,54	-	2,44	4,27	2,54	-	2,44	4,27	2,54	-	2,14	3,36
500	7,62	17	3,36	5,49	5,08	-	3,05	4,88	2,54	-	2,745	4,88	2,54	-	2,44	4,27
555	7,62	20	3,66	6,10	5,08	-	3,36	5,49	5,08	-	3,05	5,19	2,54	-	2,75	4,88
670	12,70	24	4,27	7,02	7,62	20	3,97	6,41	5,08	17	3,66	6,10	5,08	-	3,36	5,49
780	15,24	28	4,88	7,93	10,16	24	4,27	7,02	7,62	21	4,27	7,02	7,62	18	3,97	6,41
890	20,32	32	5,80	9,46	15,24	28	5,19	7,93	10,16	25	4,88	7,93	7,62	22	4,58	7,32
1000	25,40	35	6,405	10,065	17,78	31	5,795	9,455	12,70	28	5,49	8,85	10,16	25	5,19	8,24
1115	33,02	38	7,015	11,285	22,86	34	6,405	10,065	17,78	31	6,1	9,76	12,70	28	5,49	8,85
1390					35,56	40	7,93	12,81	25,40	37	7,015	11,29	20,32	34	6,41	10,07
1670									38,10	41	8,845	14,64	30,48	38	8,24	13,73

Tüm veriler 1 m slot difüzör uzunluğu için verilmiştir,



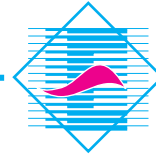
YATAY YÖNLÜ ATIŞ (ÜFLEME HAVASI)

DEBİ (m³/h)	1 SLOT				2 SLOT				3 SLOT				4 SLOT			
	Pt (Pa)	NC	L _T (m)		Pt (Pa)	NC	L _T (m)		Pt (Pa)	NC	L _T (m)		Pt (Pa)	NC	L _T (m)	
			min.	maks.			min.	maks.			min.	maks.			min.	maks.
110	5,08	-	1,22	4,58												
140	7,62	-	1,53	5,49												
165	12,70	-	1,83	6,10												
195	15,24	22	2,14	6,71												
225	20,32	25	2,75	7,32	5,08	-	1,83	6,41								
280	33,02	31	3,36	8,24	7,62	-	2,44	7,63	2,54	-	1,83	6,71				
335	45,72	36	3,97	8,845	12,70	21	2,75	8,85	5,08	-	2,14	7,63	2,54	-	1,525	6,41
390	63,50	40	4,58	9,76	15,24	25	3,36	9,76	7,62	-	2,44	8,54	5,08	-	2,135	7,63
445					20,32	28	3,66	10,37	10,16	20	3,05	10,37	5,08	-	2,745	8,85
500					25,40	31	4,27	10,98	12,70	23	3,36	10,98	7,62	-	3,05	10,07
560					33,02	34	4,88	11,59	15,24	26	3,97	11,59	7,62	19	3,355	10,98
615					40,64	37	5,19	12,2	17,78	29	4,27	12,20	10,16	22	3,66	11,90
670					45,72	39	5,49	12,81	20,32	31	4,58	12,81	12,70	24	3,965	12,51
780					63,50	43	6,71	13,725	27,94	35	5,49	13,73	15,24	28	4,575	13,73
890									35,56	38	6,10	14,64	20,32	31	5,185	14,64
1000									45,72	41	6,71	15,56	27,94	34	5,795	15,56
1115													33,02	37	6,71	16,47
1225													40,64	40	7,32	17,39

DİKEY YÖNLÜ ATIŞ (ÜFLEME HAVASI)

DEBİ (m³/h)	1 SLOT				2 SLOT				3 SLOT				4 SLOT			
	Pt (Pa)	NC	L _T (m)		Pt (Pa)	NC	L _T (m)		Pt (Pa)	NC	L _T (m)		Pt (Pa)	NC	L _T (m)	
			min.	maks.			min.	maks.			min.	maks.			min.	maks.
110	2,54	-	1,22	2,14												
140	5,08	-	1,53	2,75												
165	5,08	-	1,83	3,36												
225	10,16	-	2,44	3,66	2,54	-	1,83	3,05								
280	15,24	22	3,05	4,88	5,08	-	2,14	3,66								
335	22,86	27	3,66	6,10	5,08	-	2,75	4,27	2,54	-	2,14	3,66				
390	33,02	31	4,27	7,02	7,62	-	3,05	4,88	2,54	-	2,44	3,97				
445	43,18	35	4,88	7,63	10,16	19	3,66	6,10	5,08	-	2,75	4,27	2,54	-	2,44	3,97
500	53,34	39	5,49	8,85	12,70	22	3,97	6,41	5,08	-	3,05	4,88	2,54	-	2,75	4,27
560					15,24	25	4,58	7,02	7,62	-	3,66	6,10	5,08	-	3,05	4,88
670					22,86	30	5,19	8,24	10,16	22	4,27	6,71	5,08	-	3,66	6,10
780					33,02	34	6,10	9,76	15,24	26	4,88	7,63	7,62	19	4,27	6,71
890					43,18	38	6,71	10,68	17,78	29	5,49	8,85	10,16	22	4,88	7,63
1000									22,86	32	6,41	10,37	12,70	25	5,49	8,85
1115									27,94	35	7,02	11,29	17,78	28	6,10	9,76
1225									33,02	38	7,63	12,20	20,32	31	6,71	10,68

Tüm veriler 1m slot difüzör uzunluğu için verilmiştir,



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EMİŞ HAVASI

DEBİ (m³/h)	1 SLOT		2 SLOT		3 SLOT		4 SLOT	
	Pt (Pa)	NC	Pt (Pa)	NC	Pt (Pa)	NC	Pt (Pa)	NC
55	2,54	-						
85	7,62	-						
110	10,16	20	2,54	-				
140	17,78	25	5,08	-				
165	25,40	3	7,62	-	2,54	-		
195	35,56	34	7,62	19	2,54	-		
225	45,72	37	10,16	22	5,08	-	2,54	-
250	58,42	40	15,24	25	5,08	-	2,54	-
280			17,78	28	7,62	20	5,08	-
335			25,40	33	10,16	25	5,08	18
390			35,56	37	15,24	29	7,62	22
445			45,72	40	20,32	32	10,16	26
500					25,40	35	15,24	29
555					30,48	38	17,78	31
670					43,18	42	25,40	36
780							35,56	40
	5 SLOT		6 SLOT		7 SLOT		8 SLOT	
	Pt (Pa)	NC	Pt (Pa)	NC	Pt (Pa)	NC	Pt (Pa)	NC
250	2,54	-	2,54	-				
280	2,54	-	2,54	-	2,54	-		
335	5,08	-	2,54	-	2,54	-	2,54	-
390	5,08	-	5,08	-	2,54	-	2,54	-
445	7,62	20	5,08	-	2,54	-	2,54	-
500	10,16	23	7,62	19	5,08	-	2,54	-
555	12,70	26	7,62	22	5,08	19	5,08	-
670	15,24	31	12,70	27	7,62	24	7,62	21
780	22,86	35	15,24	31	12,70	28	10,16	25
890	30,48	38	20,32	34	15,24	31	12,70	28
1000	38,10	41	25,40	37	20,32	34	15,24	31
1115			33,02	40	22,86	37	17,78	34
1390					38,10	43	27,94	40

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EMİŞ HAVASI

DEBİ (m³/h)	1 SLOT		2 SLOT		3 SLOT		4 SLOT	
	Pt (Pa)	NC	Pt (Pa)	NC	Pt (Pa)	NC	Pt (Pa)	NC
110	2,54	-						
140	2,54	-						
165	5,08	18	2,54	-				
225	10,16	25	2,54	-				
280	15,24	31	5,08	-	2,54	-		
335	22,86	36	5,08	21	2,54	-		
390	33,02	40	7,62	25	2,54	-	2,54	-
445			10,16	28	5,08	20	2,54	-
500			12,70	31	5,08	23	2,54	-
560			15,24	34	7,62	26	5,08	19
670			22,86	39	10,16	31	5,08	24
780				43	15,24	35	7,62	28
890					17,78	38	10,16	31
1000					22,86	41	12,70	34
1115							17,78	37
1225							20,32	40

Tüm veriler 1m slot difüzör uzunluğu için verilmiştir,



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