



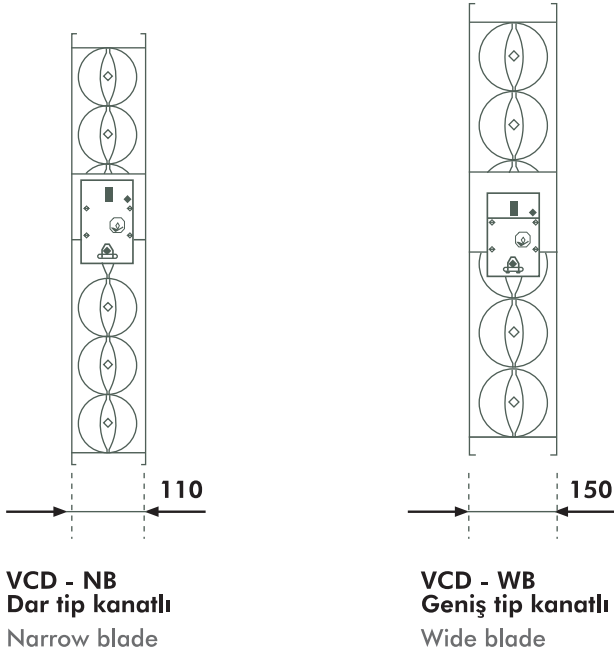
Havalandırma, Isıtma, Soğutma ve Klima Sistemleri San. ve Tic. Ltd.Şti.



Ventilating, Heating, Cooling and Air Conditioning Systems Industry and Trade Ltd. Co.

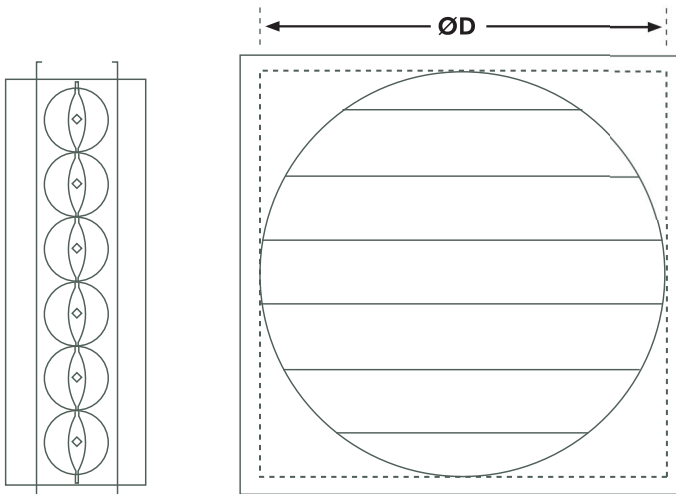


VCD HAVA DAMPERLERİ



Malzeme	Kanatlar ve kasa özel olarak haddelenmiş 6063 alüminyum profilden, kanatlar airfoil formdadır. İstenildiğinde galvaniz kasalı olarak imalat yapılmaktadır. Kanat hareketi için standart yüksekliklerde dişli çark mekanizması ara değerlerdeki yüksekliklerde mafsallı sistemi kullanılır.
Fonksiyon	Hava kanallarında hava ayar elemanı olarak kullanılmaktadır.
Yüzey Kaplama	Standart kasa ve kanatlar doğal eloksallı alüminyum profilden üretilmektedir.
Montaj	Civata ile yapılmaktadır.
Material	Blades and casing are made of specially extruded 6063 aluminium profile, the form blade profile is airfoil. Galvanized sheet steel casing is optional. For standard heights, gear mechanism is used and for the other heights articulated lever is used for blade operation.
Function	It is used as air volume adjusting component in air ventilation systems.
Finishing	Standard casing and blades are produced from natural anodized aluminium profile.
Installation	With bolt.

YUVARLAK VOLUME CONTROL DAMPERLERİ ROUND VOLUME CONTROL DAMPERS

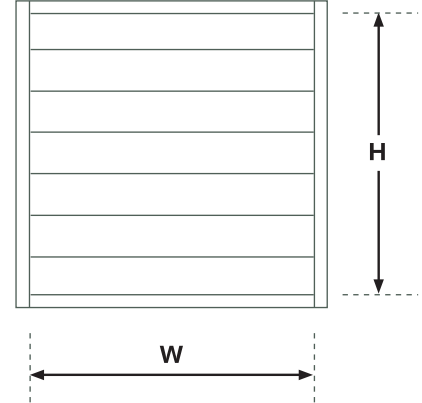


VCD - RPL
Plastik Kollu
With Plastic Quadrant



VCD - RML
Metal Kollu
With Metal Quadrant

500 mm'den büyük çaplı yuvarlak damperler
Dampers larger than 500 mm dia
VCD - RA

DİKDÖRTGEN HAVA DAMPERİ
RECTANGULAR VOLUME CONTROL DAMPERS**DAR KANATLI TİP İÇİN STANDART ÖLÇÜLER**
STANDARD SIZES FOR NARROW BLADED TYPE**VCD - NB**

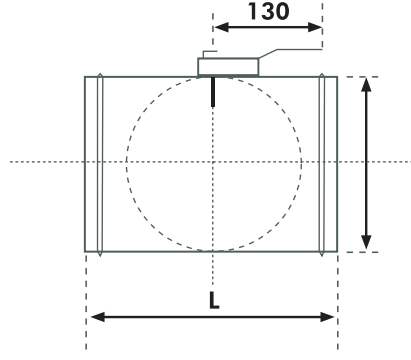
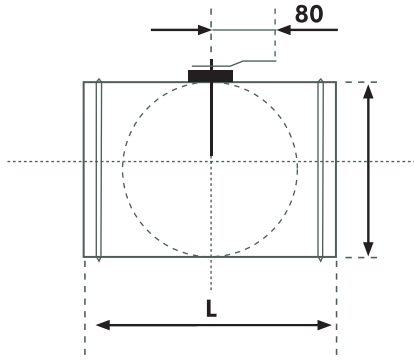
W 100 - 150 - 200 - 250 - 300 - 350 - 400 - 450 - 500 - 600 - 700 - 800 - 900 - 1000

H 100 - 150 - 200 - 250 - 300 - 350 - 400 - 450 - 500 - 600 - 700 - 800

GENİŞ KANATLI TİPİ İÇİN STANDART ÖLÇÜLER
STANDARD SIZES FOR WIDE BLADED TYPE

W 150 - 200 - 250 - 300 - 350 - 400 - 450 - 500 - 600 - 700 - 800 - 900 - 1000 - 1100 - 1200 - 1300 - 1400 - 1500

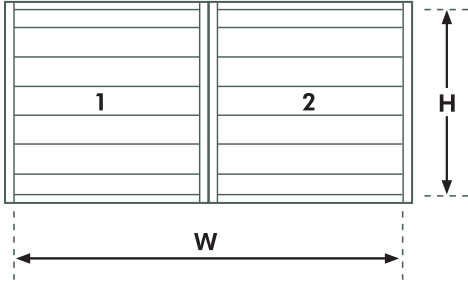
H 141 - 273 - 537 - 669 - 933 - 1065 - 1197 - 1329 - 1461 - 1593 - 1725 - 1857 - 1989

**VCD - RPL**

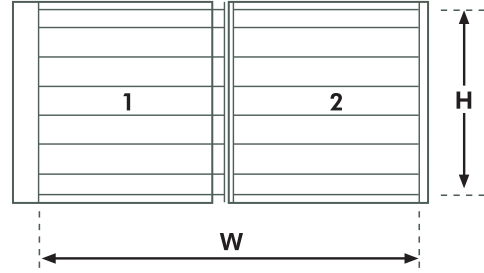
Ebat (mm) Size	Ø (mm)	L (mm)
100	102	150
110	112	160
120	120	170
130	127	180
140	140	190
150	152	200
160	160	210
180	180	230
200	203	250
225	229	275

VCD - RML

Ebat (mm) Size	Ø (mm)	L (mm)
160	160	210
180	180	230
200	203	250
225	229	275
250	254	300
280	280	330
300	305	350
350	356	400
400	406	450



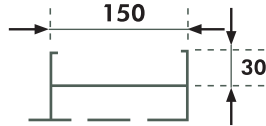
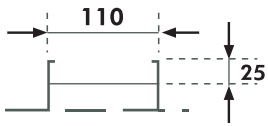
İki damperin yanyana kullanılışı
Two dampers side by side
W max. = 3000 mm



İki parçalı tek bir büyük damper
One large damper is divided into two parts.
W max. = 3000 mm

ÇERÇEVE ve ÖLÇÜLERİ FRAME SIZES

Aluminyum kasalı damperler için çerçeve ölçüleri
Frame sizes for aluminium casing



VCD - NB VCD - WB

Genişlik Width	110	150
Aluminyum kasa Aluminium casing	25	30
Galvaniz kasa Galvanized sheet steel casing	20	35 40

Galvanize kasa için özel
Çerçeve ölçüleri yapılabilir.

Special production with different frame
size is available for galvanized sheet steel casing.

VCD - NB
Dar kanatlı hava damperleri
Narrow Bladed volume
control damper

VCD - WB
Geniş kanatlı hava damperleri
Wide Bladed volume
control damper

DAMPER KUMANDASI / DAMPER OPERATION



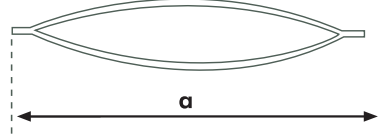
El ile kumanda
Operated by hand
operated quadrant



Servomotor ile kumanda
Operated by actuator directly
coupled to the shaft

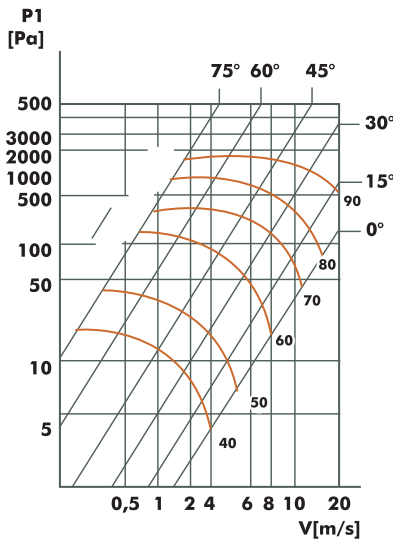
Damperlerin standart kumanda şekli el ile dir. Hem el hem de motor kumandasına uygun olarak da temin edilebilir.

Standard operation of the dampers is manual They are also available to be controlled both manual and by actuator.

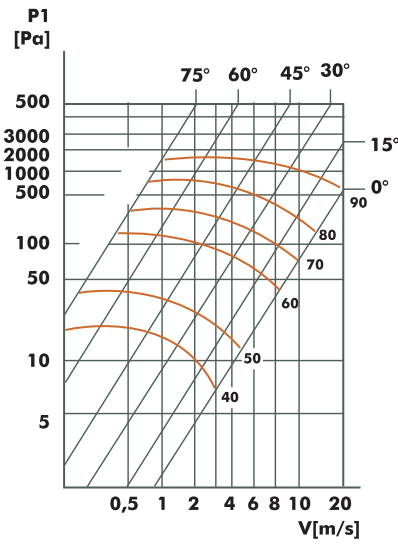


Kanat Yapısı: Kanat yapısı direnç oluşturmayacak şekilde airfoildir.
Blade Profile: Airfoil profile for minimum resistance.

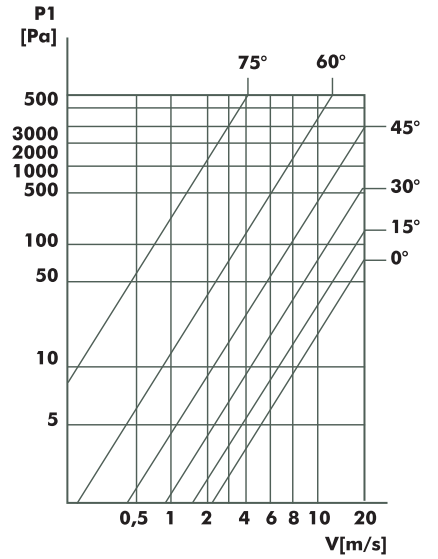
BASINÇ KAYIP ve SES DEĞERLERİ PRESSURE LOSS and SOUND POWER LEVELS



VCD - WB Dikdörtgen Damperler
 Rectangular Dampers



VCD - NB



Yuvarlak Damper
 Round Damper

$$LWA = LWA1 + K$$

LWA: Ses değerleri - Sound power level

K: Düzeltme faktörü - Correction factor

A [m ²]	0.1	0.12	0.25	0.30	0.40	0.50	0.60	0.75	1.00	1.25	1.60	2.00
K [dB]	-10	09	-6	-5	-4	-3	-2	-1	0	+1	+2	+3

FİTA TEKNİK

Havalandırma Isıtma, Soğutma ve Klima Sistemleri San. ve Tic. Ltd.Şti.

Ventilating, Heating, Cooling and Air Conditioning Systems Industry and Trade Ltd. Co.



Merkez / Head Office

Şenlikköy Mah.Florya Cad.No:63 B.Blok D:3
Florya Konakları. Bakırköy
İstanbul / TÜRKİYE
Tel.: +90 (212) 641 00 21 • Fax: +90 (212) 641 06 40

Fabrika / Factory

29 Ekim Mah.9231Sok. No:5
Yazıbaşı / Torbalı
İzmir / TÜRKİYE

info@fiteknik.com - www.fiteknik.com