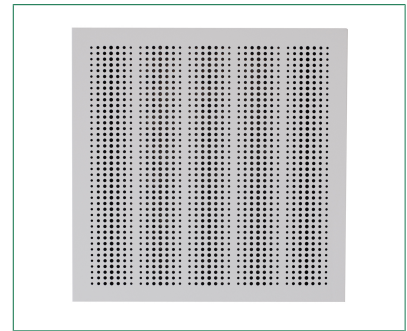
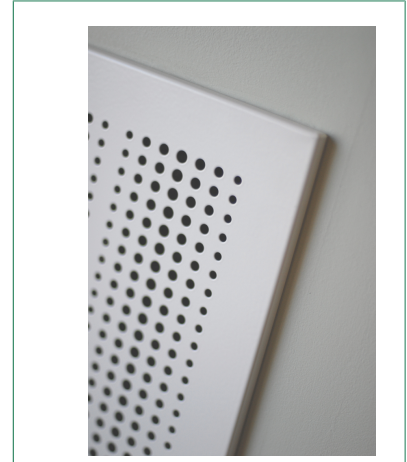


## Recessed terminals Floormaster DVCA



Floormaster® DVCA flat supply air terminals for flush-mounting in walls. The terminals are designed for displacement air handling in accordance with the Floormaster system for good air comfort and high ventilation efficiency. Floormaster terminal devices are equipped with an air distribution system consisting of a perforated distribution plate with an attached honeycomb sheet in black polycarbonate. This component combination permits uniformly horizontal air distribution through the front panel with a short near zone and a very low noise level.

### Quick Selection

Floormaster® DVCA, flat supply air terminals for flushmounting in walls

Size	Height	Connection	Air flow range l/sm <sup>3</sup> /h at sound level		
			25 dB(A)	30 dB(A)	35 dB(A)
300-60	589	300 x 60	62	72	85
400-80	1165	400 x 80	114	132	153

### Specifications

- Consist of a visible flat terminal part a terminal box and a wall duct for flush-mounting in a wall.
- 2 sizes.
- Very low sound level.
- Uniformly circular diffusion pattern.
- Short comfort boundaries.
- Outlet for flow measurement.
- Easy maintenance - no spare parts.
- Dismountable front plate.
- No visual screws.

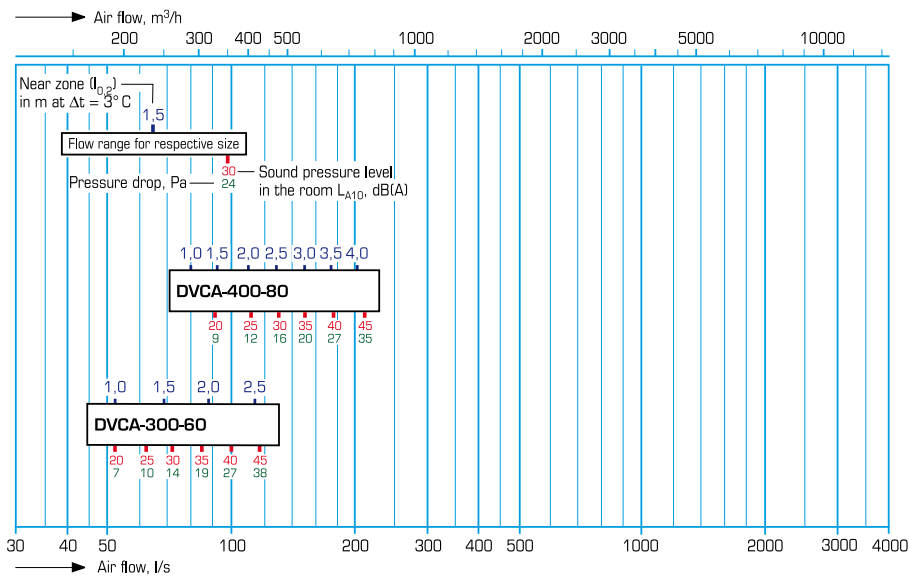
### Product code example

Floormaster DVCA-300-60  
and insulated wall duct  
DVCZ-300-60-0-1

AIRTREND Ltd  
Predstavništvo u Beogradu  
Kumanovska 14, 11000 Beograd  
Tel: 011/3836886, 3085740  
Faks: 011/3444113  
e-mail: gobrid@eunet.rs  
web: www.airtrend.rs

## Capacity and Sound data

Capacity data - Airflow pressure drop comfort boundaries sound level for DVCA with wall duct



### Sound power level in octave bands

The Sound Power Level in octave bands is obtained by adding the correction (with sign) in the table to the acoustic value in the graphs. The indicated sound levels are applicable for 4 dB room attenuation.

DVCA	Octave bands, centre frequency Hz							
	63	125	250	500	1000	2000	4000	8000
With wall duct	5	0	3	4	-2	-12	-13	-9
Tolerance +/-	5	2	2	1	1	1	2	6

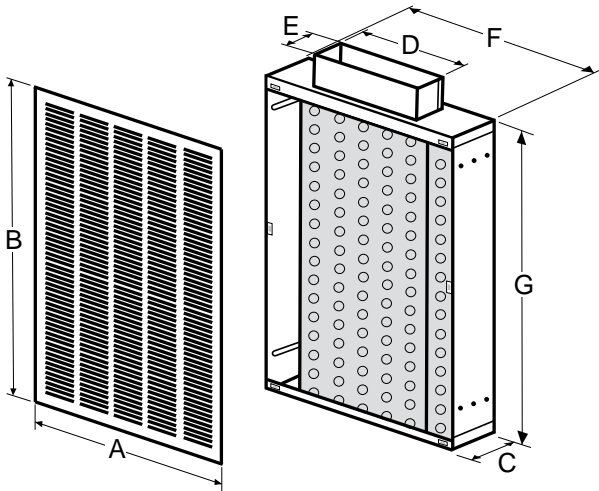
### Sound attenuation

The table shows the difference between the sound power level in the duct and the sound power level in the room, in dB. Orifice attenuation is included in the calculation. Also, for the attenuation values indicated for terminals with duct, there is a requirement for the wall duct to be mount behind a 13 mm plasterboard sheet. Double plasterboard sheet give better attenuation in the low frequency range.

Terminal/Wall duct	Octave bands, center frequency Hz							
	63	125	250	500	1000	2000	4000	8000
DVCA-300x60								
Uninsulated wall duct	19	11	5	8	4	6	9	11
Insulated wall duct	19	11	10	19	24	21	16	15
DVCA-400x80								
Uninsulated wall duct	19	11	6	8	4	5	7	9
Insulated wall duct	20	12	11	17	24	22	16	14
Tolerance +/- dB	5	2	2	1	1	1	2	6

## Dimensions and weights

Dimensions and weights

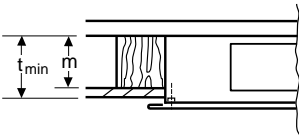


D x E dimension of the terminal is a push-in dimension (male connection)

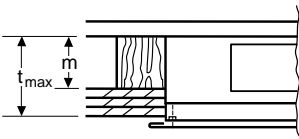
Dimensions in mm

DVCA	A	B	C	D	E	F	G	W, kg
300-60	575	589	81	300	60	545	570	7
400-80	575	1165	101	400	80	545	1145	14

Mounting in wall with one 13 mm plasterboard



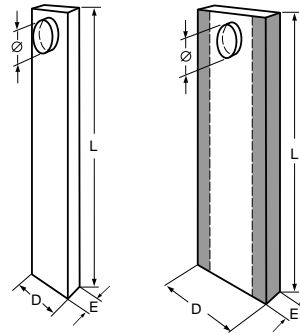
Mounting in wall with three 13 mm plasterboards



DVCA	t <sub>min</sub>	t <sub>max</sub>	m
300-60	83	109	70
400-80	103	129	90

DVCA shall be installed in the space between the wall boards.

Wall duct DVCZ-01



D x E dimension of the wall duct is a push-on dimension (female connection)

The ducts are supplied with a loose upper end wall and a loose circular connection sleeve. The upper part is cut to obtain the right length for the duct, and a hole is made for the connection sleeve, which is applied from inside the duct, and the end wall is then set in place.

DVCZ	D <sub>nom</sub>	E <sub>nom</sub>	L	Ø	Execution	Weight
300-60-0-0	302	62	2100	160	Uninsulated	18
300-60-0-1	402	62	2100	160	Insulated <sup>1)</sup>	24
300-60-1-0	302	62	2500	160	Uninsulated	18
300-60-1-1	402	62	2500	160	Insulated <sup>1)</sup>	24
400-80-0-0	402	82	2100	200	Uninsulated	20
400-80-0-1	502	82	2100	200	Insulated <sup>1)</sup>	27
400-80-1-0	402	82	2500	200	Uninsulated	24
400-80-1-1	502	82	2500	200	Insulated <sup>1)</sup>	29

<sup>1)</sup> 100 mm insulation

## Material, descriptive text, product code

### Material and surface finish

Floormaster terminal devices are equipped with an air distribution system consisting of a perforated distribution plate with an attached honeycomb sheet in black polycarbonate. This component combination permits uniformly horizontal air diffusion through the front panel with a short throw and a very low noise level. The air distribution system is surrounded by a casing and is accessible by removing the front panel of the device.

The Floormaster terminals are made from hot-dip galvanized steel sheet. The Floormaster terminals are easy to maintain and no replacement parts are necessary.

The terminals are powder-coated for a high surface finish and good impact and scratch resistance.

Standard colour White RAL-9010, gloss 30, equivalent to NCS S 0502Y. Other colours on request.

### Instructions

Directions for installation, adjustment and care are set out in detail in our technical instruction which accompanies each product. The instruction is also accessible on [www.flaktgroup.com](http://www.flaktgroup.com).

### Descriptive text

Floormaster terminal manufactured by FläktGroup. DVCA size 300x60 with front plate 565 x 565, standard colour.

### Special constructions

Describe the deviations from the standard model clearly and replace the product code letter standing for the construction part in question with an X.

### Product code

**Terminal device for wall mounting** **DVCA-aaa-bb-c**

#### Size, mm (aaa)

300, 400

#### Duct depth, mm (bb)

60, 80

#### Colour (c)

0 = standard colour

**Wall duct** **DVCZ-01-bbb-cc-d-e**

#### Duct width, mm (bbb)

300, 400

#### Duct depth, mm (cc)

60, 80

#### Duct height, mm (d)

0 = 2100

1 = 2500

### Duct insulation (e)

0 = uninsulated

1 = insulated