Series
DR

Double-row ventilation grille
with adjustable louvres

Application

- Supply and exhaust ventilation, heating and air conditioning networks in industrial, commercial and domestic premises.

Design

- Made of high-quality extruded aluminium.
- Two louvre rows provide smooth air flow distribution.
- Smooth air direction adjustment (360°).
- Polymer or anodized grille coating ensures weather-resistant properties.
- Non-standard sizes may be ordered.

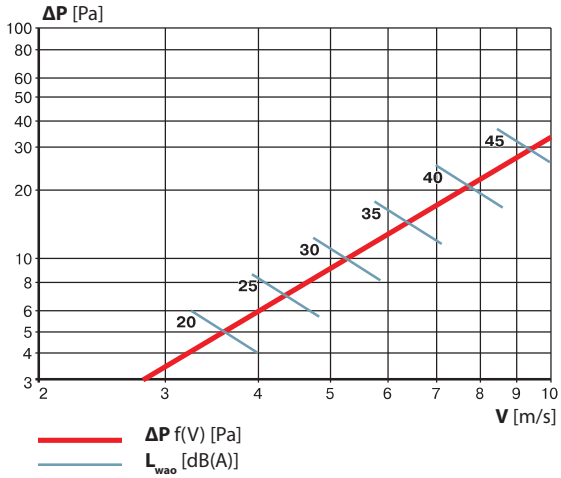
Modifications

- Available modifications with an air flow regulator (R) and an adapter (A) for connection to air ducts, page 42.
- Available modifications with versatile fixing (u) for fast mounting, page 44.

Standard size [mm] and air pass [m²]

Height H [mm]	Length L [mm]																		
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	0,004	0,008	0,014	0,018	0,023	0,027	0,033	0,038	0,044	0,046	0,049	0,055	0,061	0,067	0,072	0,076	0,080	0,084	0,088
150		0,015	0,020	0,026	0,031	0,037	0,042	0,044	0,047	0,049	0,052	0,058	0,064	0,070	0,075	0,079	0,083	0,087	0,091
200			0,025	0,034	0,040	0,048	0,054	0,063	0,072	0,077	0,082	0,089	0,096	0,104	0,112	0,118	0,124	0,130	0,136
250				0,045	0,053	0,064	0,072	0,082	0,093	0,099	0,105	0,112	0,118	0,128	0,138	0,146	0,153	0,161	0,168
300					0,062	0,075	0,084	0,098	0,113	0,121	0,129	0,140	0,150	0,163	0,175	0,185	0,194	0,204	0,213
350						0,091	0,102	0,116	0,130	0,140	0,150	0,161	0,171	0,186	0,200	0,211	0,222	0,232	0,243
400							0,118	0,137	0,155	0,167	0,179	0,191	0,203	0,221	0,238	0,251	0,264	0,276	0,289
450								0,148	0,171	0,182	0,194	0,212	0,230	0,250	0,269	0,284	0,298	0,313	0,327
500									0,187	0,197	0,208	0,232	0,257	0,279	0,301	0,317	0,333	0,349	0,365
550										0,199	0,223	0,253	0,283	0,308	0,332	0,350	0,367	0,385	0,403
600											0,237	0,274	0,310	0,337	0,363	0,383	0,402	0,422	0,441
650												0,137	0,233	0,314	0,395	0,414	0,433	0,452	0,471
700													0,155	0,291	0,426	0,445	0,463	0,482	0,500
750														0,145	0,458	0,476	0,494	0,512	0,530
800															0,489	0,507	0,524	0,542	0,559
850																0,253	0,393	0,500	0,606
900																	0,262	0,457	0,653
950																		0,229	0,699
1000																			0,746

Pressure loss and sound power level



Calculation formula
$\Delta P_p = \Delta P \times K_p$

Correction factor K_p			
	0°	22°	45°
K_p	1	1,25	1,5

Calculation formula
$L_{WA} = L_{WAO} \times K$

Correction factor K						
S_{ap} [m²]	0,01	0,02	0,05	0,07	1	2
K [dB(A)]	–9	–6	–3	–1,5	0	+3

Designation:

ΔP_p – pressure loss at various vane positions [Pa]

ΔP – pressure loss [Pa]

K_p – correction factor for pressure loss calculation depending on louvre deflection angle

L_{WA} – sound power level [dB(A)]

L_{WAO} – sound power level for air pass 0.1 m² [dB(A)]

K – correction factor for sound power level calculation depending on air pass [dB(A)]

S_{ap} – air pass [m²]

V – rated speed [m/s]

Order code

LxH□□□

Grille type:

DR – double-row grille with individually adjustable louvres

Grille size:

L – length [mm]

H – height [mm]

Grille coating:

"___" – colour* (white by default)

"Anodized"

Accessories:

___ – no

R – air flow regulator

A – adapter

Grille fixation:

u - versatile

*** Standard polymer coating colours:**

white	beige	brown	grey	blue	black
RAL9016	RAL1015	RAL 8017	RAL7001	RAL 5005	RAL 9005

Overall and mounting dimensions