

Linear slotted intake ventilators

LDS

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Description

LDS linear slotted intake ventilators can be installed on ceilings or walls. They are dedicated for the intake of both warm and cool air. Available in versions with 1 to 4 slots, available length 495 and 990 mm. Each slot is adjusted separately and is fitted with two air deflecting vanes. Their special construction allows to easily change the flow direction of the air intake.

Moreover, LDS slotted intake ventilators feature easy adjustment which means they work very well in ventilation systems with variable capacity.

Available materials – marking example

LDS-...-...- aluminum, powder coated RAL 9016

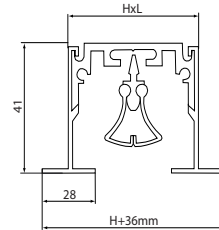
Example identification

Product code: **LDS - 1 - 495**

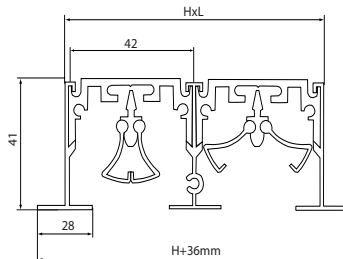


Dimensions

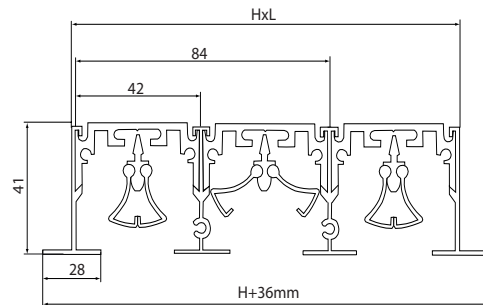
LDS-1-495



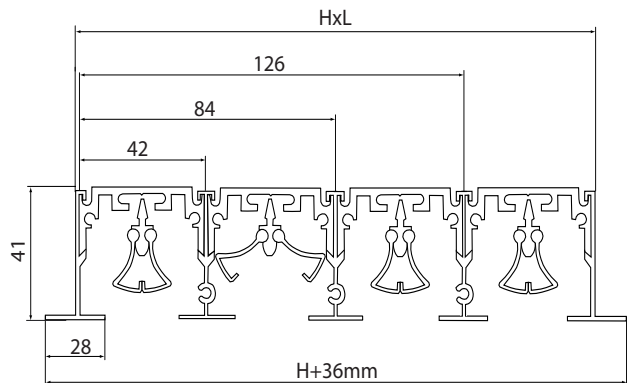
LDS-2-495/LDS-2-990



LDS-3-990



LDS-4-990



| code | H [mm] | L [mm] | number of slots [pcs] |
|-----------|--------|--------|-----------------------|
| LDS-1-495 | 44 | 490 | 1 |
| LDS-2-495 | 88 | 490 | 2 |
| LDS-2-990 | 88 | 985 | 2 |
| LDS-3-990 | 132 | 985 | 3 |
| LDS-4-990 | 176 | 985 | 4 |

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Technical Data

| number of slots [mm] | | description | | | | | | | | |
|-------------------------|-------------------------|-------------|--------|--------|---------|---------|----------|----------|----------|----------|
| 1 | V [m ³ /h] | 39 | 73 | 112 | 145 | 184 | 223 | 257 | 296 | 329 |
| 1 | T _{poziom} [m] | 0-1-2 | 1-2-5 | 2-4-6 | 3-5-7 | 4-6-8 | 5-6-9 | 5-7-10 | 6-7-10 | 6-8-11 |
| 1 | T _{pion} [m] | 1 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| 1 | PS [Pa] | 1 | 3,6 | 8,1 | 14,5 | 22,6 | 32,5 | 44,2 | 57,9 | 73,2 |
| 1 | NC [dB] | | | 13 | 20 | 26 | 30 | 34 | 37 | 40 |
| 2 | V [m ³ /h] | 73 | 145 | 223 | 296 | 368 | 441 | 513 | 591 | 664 |
| 2 | T _{poziom} [m] | 0-1-4 | 2-4-7 | 4-5-9 | 5-7-10 | 6-8-12 | 7-9-13 | 8-10-14 | 9-10-15 | 9-11-16 |
| 2 | T _{pion} [m] | 2 | 3 | 5 | 6 | 7 | 7 | 8 | 9 | 9 |
| 2 | PS [Pa] | 1 | 3,6 | 8,1 | 14,5 | 22,6 | 32,5 | 44,2 | 57,9 | 73,2 |
| 2 | NC [dB] | | | 16 | 23 | 29 | 33 | 37 | 40 | 43 |
| 3 | V [m ³ /h] | 112 | 223 | 329 | 441 | 552 | 664 | 776 | 882 | 993 |
| 3 | T _{poziom} [m] | 1-2-4 | 2-4-9 | 4-6-11 | 6-9-13 | 7-10-14 | 9-11-16 | 10-12-17 | 10-13-18 | 11-13-19 |
| 3 | T _{pion} [m] | 2 | 4 | 6 | 7 | 8 | 9 | 10 | 10 | 11 |
| 3 | PS [Pa] | 1 | 3,6 | 8,1 | 14,5 | 22,6 | 32,5 | 44,2 | 57,9 | 73,2 |
| 3 | NC [dB] | | | 18 | 25 | 30 | 35 | 39 | 42 | 45 |
| 4 | V [m ³ /h] | 145 | 296 | 441 | 591 | 737 | 882 | 1032 | 1177 | 1328 |
| 4 | T _{poziom} [m] | 1-2-5 | 3-5-10 | 5-7-13 | 7-10-15 | 8-12-16 | 10-13-18 | 11-14-19 | 12-15-21 | 13-16-22 |
| 4 | T _{pion} [m] | 2 | 5 | 7 | 9 | 9 | 10 | 11 | 12 | 13 |
| 4 | PS [Pa] | 1 | 3,6 | 8,1 | 14,5 | 22,6 | 32,5 | 44,2 | 57,9 | 73,2 |
| 4 | NC [dB] | | | 19 | 26 | 32 | 36 | 40 | 43 | 46 |

V [m³/h] - flow volume

T horizontal [m] - air stream range, horizontal

T vertical [m] - air stream range, vertical

PS [Pa] - static pressure

NC [dB] - noise level at 10 dB room dampening

Attention: Parameters listed in the above table correspond to 1m air intake length