

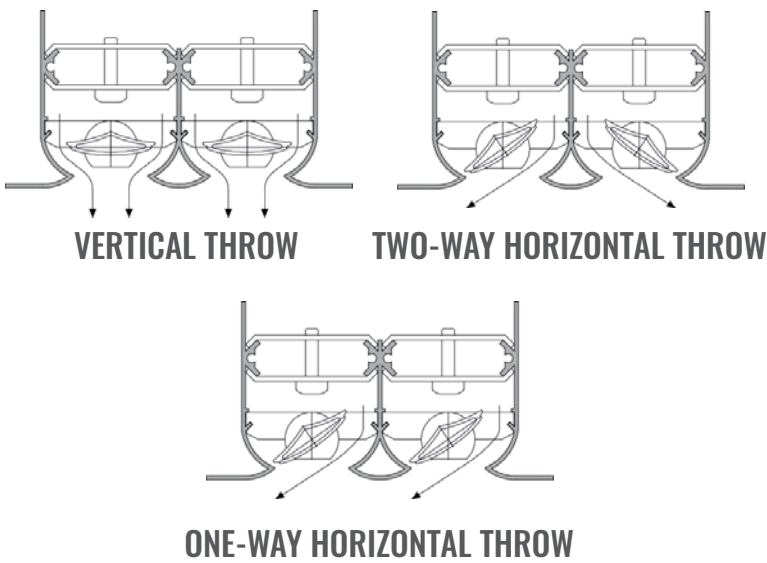
# DEL-P



Linear slot diffuser with adjustable PVC deflectors without predisposition for damper and equalizer, with a high induction ratio (mixing capacity) between inlet air and ambient air.  
Consisting of aluminum profiles coupled to obtain multiple slits inside which adjustable plastic deflectors are housed. The flow of the incoming air can be oriented in the right, left or alternating direction, by varying the position of the deflectors.

## TECHNICAL SPECIFICATION AND USAGE LIMIT

| INSTALLATION HEIGHT | APPLICATIONS                                                                                                                                                                                                                                                                                                                        | MATERIAL                                                                   | SURFACE FINISH                                                                                         | FASTENING TO PLENUM                        |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 2,5 to 4 m          | The DEL diffuser can also be used for air return; in this case it is supplied without deflecting fins. The deflector can also be oriented after the diffuser has been installed in order to make adjustments to optimise airflow in the room once the system is running.<br>The diffuser can be equipped with damper and equalizer. | Extruded anodised aluminium profiles, ABS supports and black PVC deflector | Anodized aluminium, black deflectors. On request frame coating in RAL 9010 or nonstandard RAL colours. | by means of side screws or a central screw |



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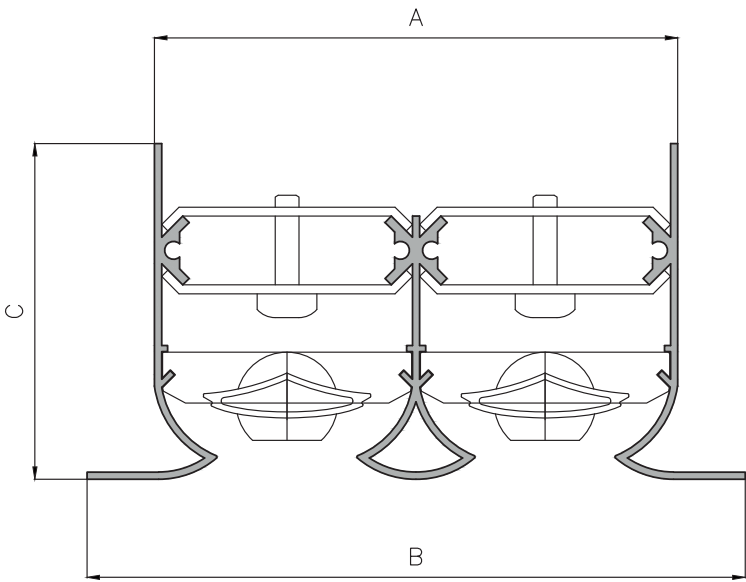
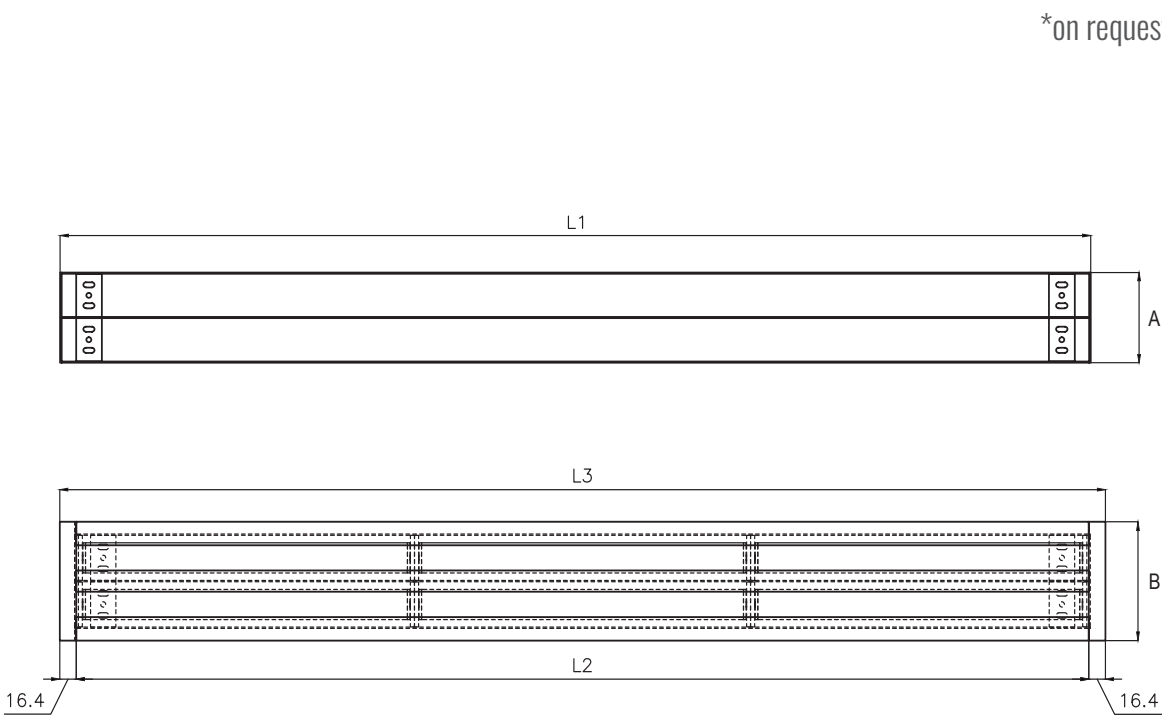
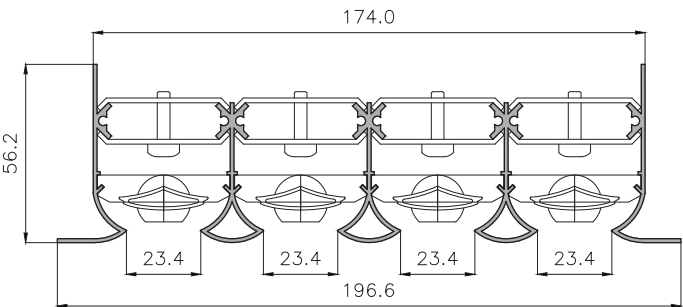
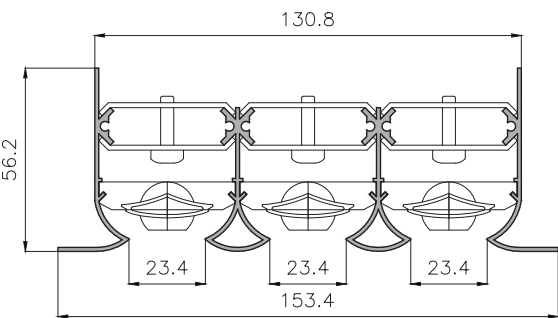
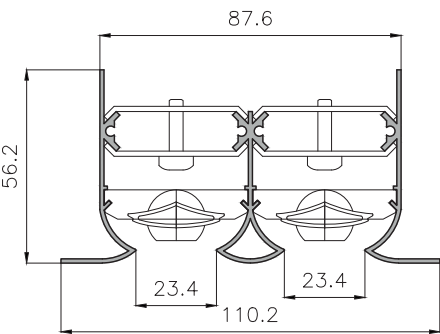
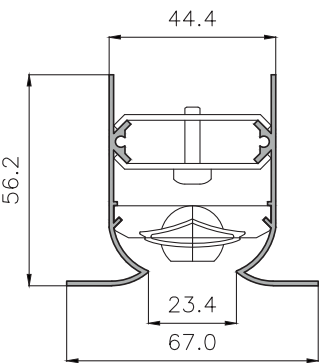
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## TECHNICAL DATA

| Length [mm] | Slot n. | L1 [mm] | L2 [mm] | L3 [mm] | A [mm] | B [mm] | C [mm] |
|-------------|---------|---------|---------|---------|--------|--------|--------|
| 800         | 1       | 800     | 797     | 829,8   | 44,4   | 67,0   | 56,2   |
|             | 2       | 800     | 797     | 829,8   | 87,6   | 110,2  | 56,2   |
|             | 3       | 800     | 797     | 829,8   | 130,8  | 153,4  | 56,2   |
|             | 4       | 800     | 797     | 829,8   | 174,0  | 196,6  | 56,2   |
| 1000        | 1       | 1000    | 997     | 1029,8  | 44,4   | 67,0   | 56,2   |
|             | 2       | 1000    | 997     | 1029,8  | 87,6   | 110,2  | 56,2   |
|             | 3       | 1000    | 997     | 1029,8  | 130,8  | 153,4  | 56,2   |
|             | 4       | 1000    | 997     | 1029,8  | 174,0  | 196,6  | 56,2   |

| TECHNICAL DATA |            |            |            |            |           |           |           |
|----------------|------------|------------|------------|------------|-----------|-----------|-----------|
| Length<br>[mm] | Slot<br>n. | L1<br>[mm] | L2<br>[mm] | L3<br>[mm] | A<br>[mm] | B<br>[mm] | C<br>[mm] |
| 1500           | 1          | 1500       | 1497       | 1529,8     | 44,4      | 67,0      | 56,2      |
|                | 2          | 1500       | 1497       | 1529,8     | 87,6      | 110,2     | 56,2      |
|                | 3          | 1500       | 1497       | 1529,8     | 130,8     | 153,4     | 56,2      |
|                | 4          | 1500       | 1497       | 1529,8     | 174,0     | 196,6     | 56,2      |
| 2000           | 1          | 2000       | 1997       | 2029,8     | 44,4      | 67,0      | 56,2      |
|                | 2          | 2000       | 1997       | 2029,8     | 87,6      | 110,2     | 56,2      |
|                | 3          | 2000       | 1997       | 2029,8     | 130,8     | 153,4     | 56,2      |
|                | 4          | 2000       | 1997       | 2029,8     | 174,0     | 196,6     | 56,2      |

| APPLICATIONS                                                                        |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |
| Residential                                                                         | Easy Pack                                                                           | Calculation Method                                                                  | REACH Certificat                                                                    | RoHS Certificat                                                                      | Industry                                                                              | Building                                                                              | Air Conditioning                                                                      | Interior design                                                                       |



\*on request

Selection Charts

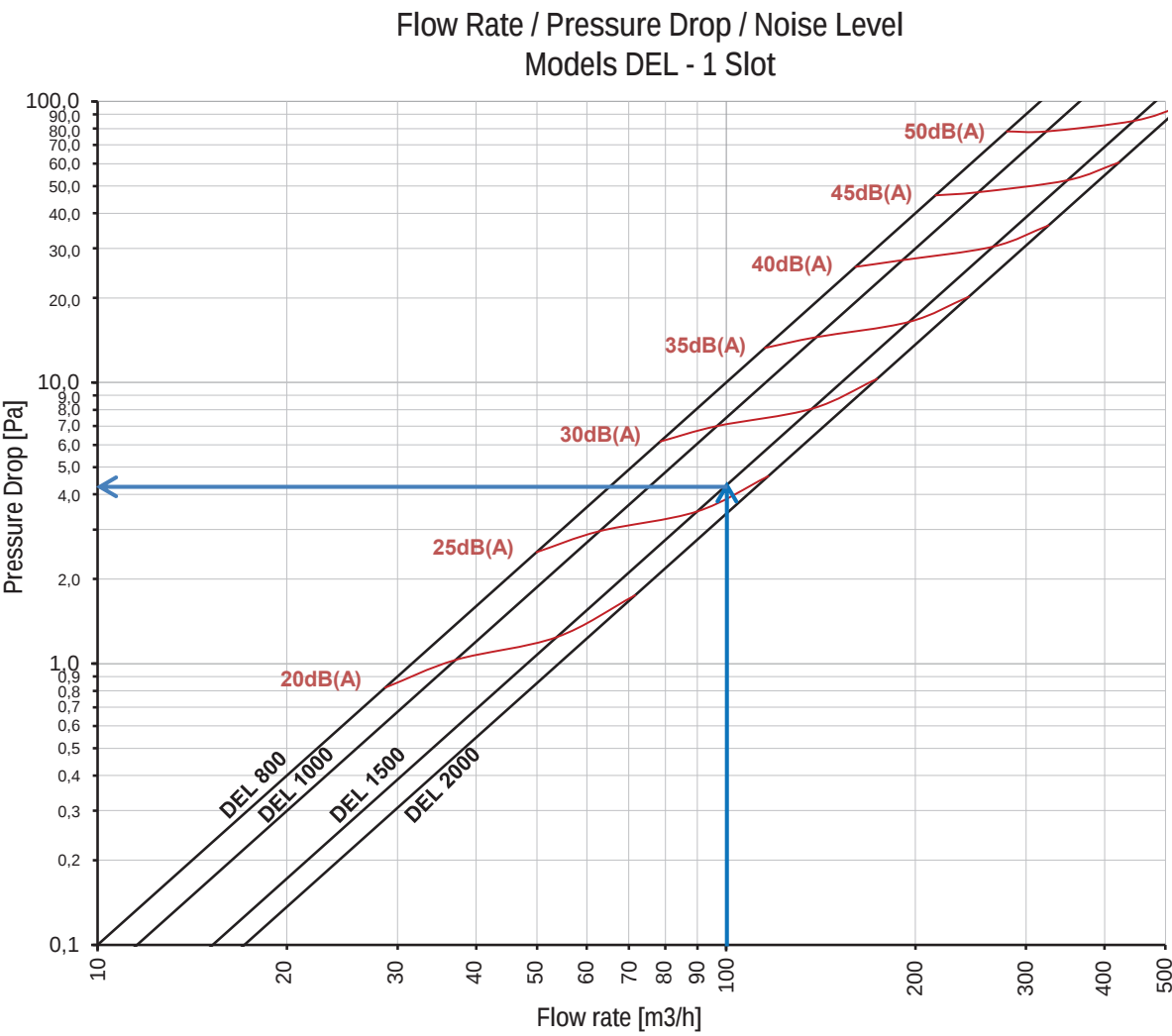
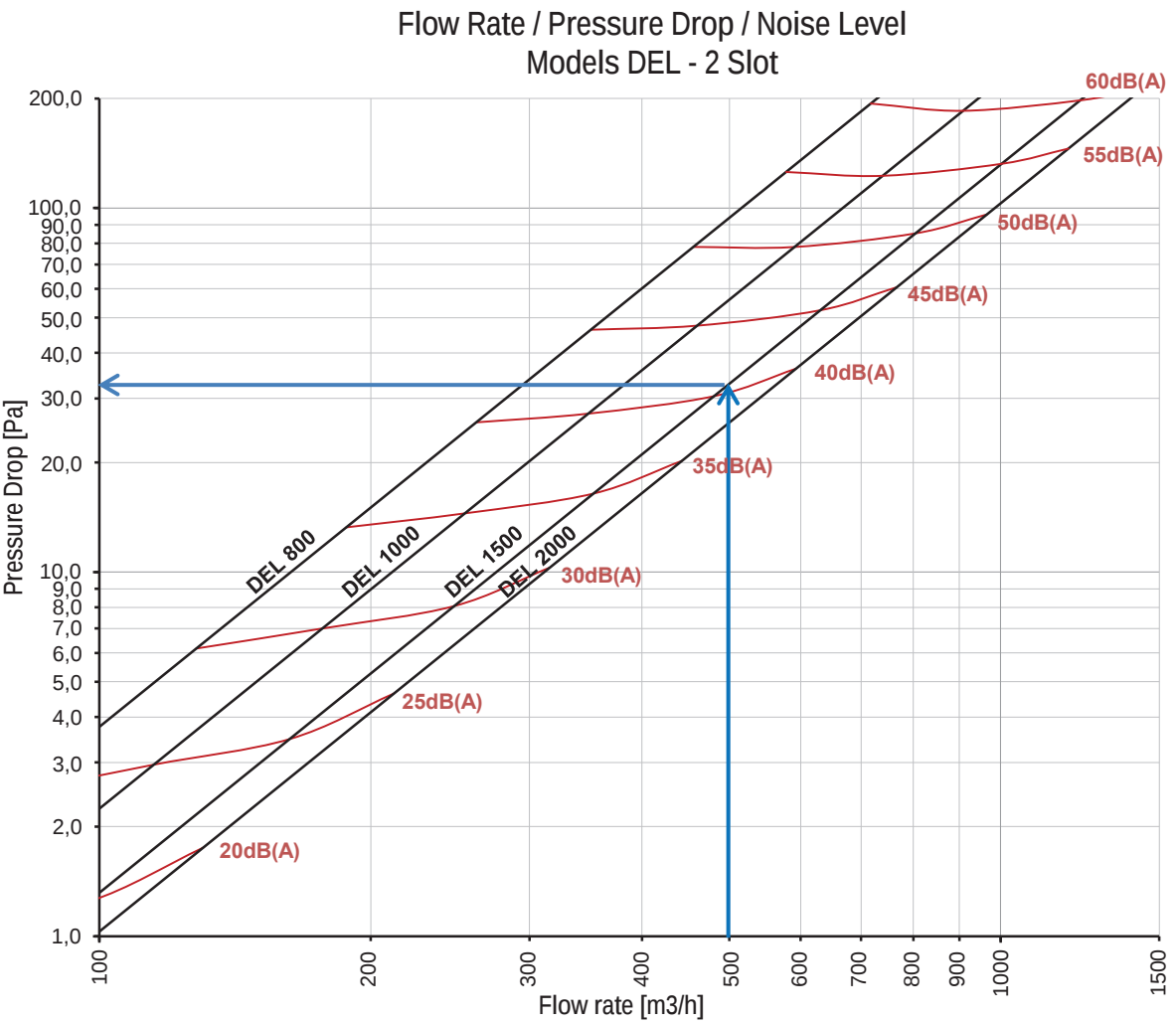


Diagram 1 - 1 slot

The diagram shows the pressure drop of the diffuser based on the flow rate with relative indication of the sound power level without environmental attenuation.

| CALCULATION<br>(input data) |           |
|-----------------------------|-----------|
| Total Flow Rate             | 100 m³/h  |
| Max Noise Level             | <30dB(A). |
| Horizontal Throw            | 4,0m.     |
| Vertical Throw              | 2,8m      |



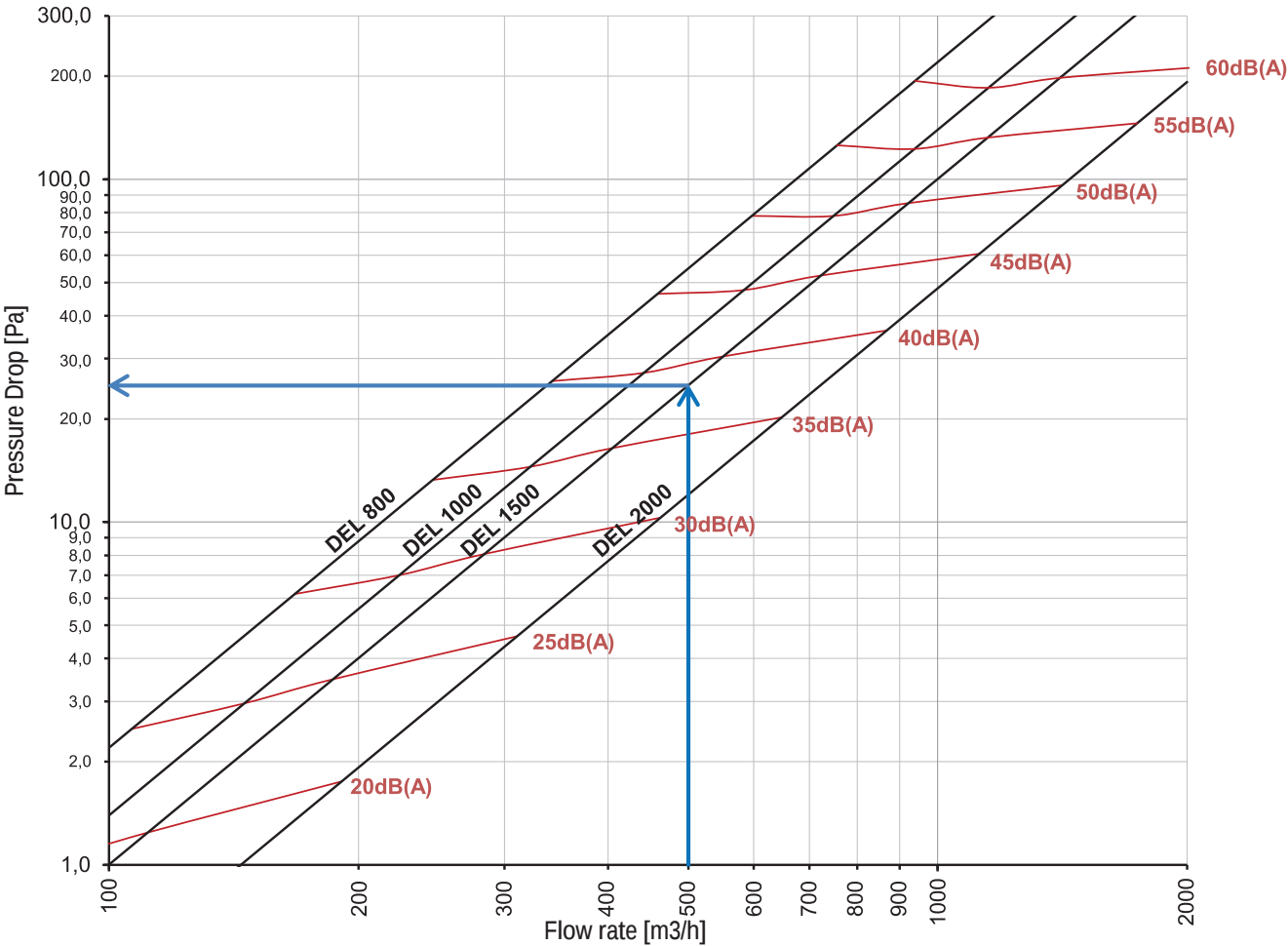
| SELECTION                   |                 |
|-----------------------------|-----------------|
| Model                       | DEL 1500 1 SLOT |
| Flow Rate                   | 107 m³/h        |
| Pressure Drop               | 5Pa             |
| Noise Level                 | 27dB(A)         |
| Inlet Air Speed             | 2m/s            |
| Horizontal Isothermal Throw | 4,0m            |
| Vertical Isothermal Throw   | 2,8m            |

Diagram 2 - 2 slots

**Note:** Pressure drop data shown in the diagram refer to the diffuser with the damper fully open.

Flow Rate / Pressure Drop / Noise Level  
Models DEL - 3 Slot

Diagram 3 - 3 slots



Flow Rate / Pressure Drop / Noise Level  
Models DEL - 2 Slot

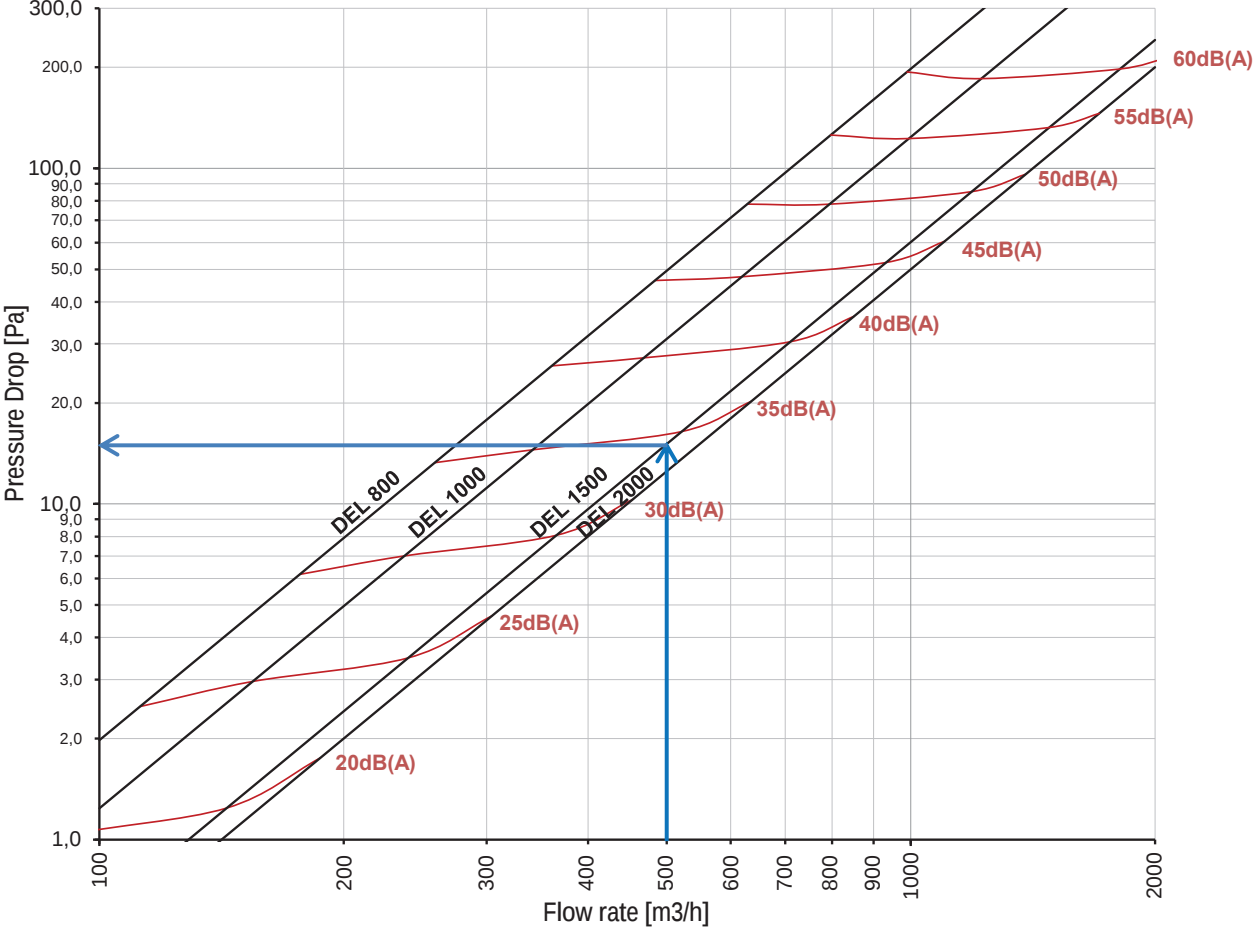


Diagram 4 - 4 slots

QUICK SELECTION TABLE - L. 800mm - ISOTHERMAL CONDITIONS

| MODEL                             | DESCRIPTION              | U.M.  | Vi (m/sec) |     |     |     |      |      |      |      |      |      |
|-----------------------------------|--------------------------|-------|------------|-----|-----|-----|------|------|------|------|------|------|
|                                   |                          |       | 1          | 2   | 3   | 4   | 5    | 6    | 7    | 8    | 9    | 10   |
| DEL 800<br>1 SLOT<br>Ak: 0,0080m2 | Flow Rate                | m3/h  | 29         | 57  | 86  | 115 | 143  | 172  | 201  | 229  | 258  | 287  |
|                                   | Pressure Drop            | Pa    | 1          | 3   | 7   | 13  | 21   | 30   | 40   | 53   | 67   | 82   |
|                                   | Horizontal Throw Vt 0,25 | mt    | 1,1        | 2,1 | 3,2 | 4,2 | 5,3  | 6,3  | 7,4  | 8,4  | 9,5  | 10,6 |
|                                   | Vertical Throw Vt 0,25   | mt    | 0,7        | 1,5 | 2,2 | 3,0 | 3,7  | 4,4  | 5,2  | 5,9  | 6,6  | 7,4  |
|                                   | Noise Level              | dB(A) | 20         | 26  | 31  | 35  | 38   | 41   | 44   | 46   | 48   | 50   |
| DEL 800<br>2 SLOT<br>Ak: 0,0159m2 | Flow Rate                | m3/h  | 57         | 115 | 172 | 229 | 287  | 344  | 401  | 458  | 516  | 573  |
|                                   | Pressure Drop            | Pa    | 1          | 5   | 11  | 20  | 31   | 44   | 61   | 79   | 100  | 124  |
|                                   | Horizontal Throw Vt 0,25 | mt    | 1,5        | 3,0 | 4,5 | 6,0 | 7,5  | 9,0  | 10,5 | 12,0 | 13,5 | 15,0 |
|                                   | Vertical Throw Vt 0,25   | mt    | 1,0        | 2,1 | 3,1 | 4,2 | 5,2  | 6,3  | 7,3  | 8,4  | 9,4  | 10,5 |
|                                   | Noise Level              | dB(A) | 22         | 29  | 34  | 38  | 41   | 45   | 47   | 50   | 53   | 55   |
| DEL 800<br>3 SLOT<br>Ak: 0,0239m2 | Flow Rate                | m3/h  | 86         | 172 | 258 | 344 | 430  | 516  | 602  | 688  | 774  | 860  |
|                                   | Pressure Drop            | Pa    | 2          | 6   | 15  | 26  | 41   | 58   | 80   | 104  | 131  | 162  |
|                                   | Horizontal Throw Vt 0,25 | mt    | 1,8        | 3,5 | 5,3 | 7,1 | 8,9  | 10,6 | 12,4 | 14,2 | 15,9 | 17,7 |
|                                   | Vertical Throw Vt 0,25   | mt    | 1,2        | 2,5 | 3,7 | 5,0 | 6,2  | 7,4  | 8,7  | 9,9  | 11,2 | 12,4 |
|                                   | Noise Level              | dB(A) | 23         | 30  | 36  | 40  | 44   | 47   | 50   | 53   | 56   | 58   |
| DEL 800<br>4 SLOT<br>Ak: 0,0318m2 | Flow Rate                | m3/h  | 115        | 229 | 344 | 458 | 573  | 688  | 802  | 917  | 1032 | 1146 |
|                                   | Pressure Drop            | Pa    | 3          | 10  | 23  | 42  | 65   | 94   | 127  | 166  | 211  | 260  |
|                                   | Horizontal Throw Vt 0,25 | mt    | 2,0        | 4,0 | 6,1 | 8,1 | 10,1 | 12,1 | 14,1 | 16,2 | 18,2 | 20,2 |
|                                   | Vertical Throw Vt 0,25   | mt    | 1,4        | 2,8 | 4,2 | 5,7 | 7,1  | 8,5  | 9,9  | 11,3 | 12,7 | 14,1 |
|                                   | Noise Level              | dB(A) | 25         | 33  | 39  | 44  | 48   | 52   | 55   | 58   | 61   | 64   |

Note: the data indicated refer to operation in isothermal conditions

QUICK SELECTION TABLE - L. 1000mm - ISOTHERMAL CONDITIONS

| MODEL                              | DESCRIPTION              | U.M.  | Vi (m/sec) |     |     |      |      |      |      |      |      |      |
|------------------------------------|--------------------------|-------|------------|-----|-----|------|------|------|------|------|------|------|
|                                    |                          |       | 1          | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| DEL 1000<br>1 SLOT<br>Ak: 0,0099m2 | Flow Rate                | m3/h  | 36         | 72  | 107 | 143  | 179  | 215  | 251  | 287  | 322  | 358  |
|                                    | Pressure Drop            | Pa    | 1          | 4   | 9   | 15   | 24   | 35   | 47   | 61   | 78   | 96   |
|                                    | Horizontal Throw Vt 0,25 | mt    | 1,3        | 2,6 | 4,0 | 5,3  | 6,6  | 7,9  | 9,2  | 10,5 | 11,9 | 13,2 |
|                                    | Vertical Throw Vt 0,25   | mt    | 0,9        | 1,8 | 2,8 | 3,7  | 4,6  | 5,5  | 6,5  | 7,4  | 8,3  | 9,2  |
|                                    | Noise Level              | dB(A) | 20         | 26  | 31  | 35   | 39   | 42   | 45   | 48   | 50   | 52   |
| DEL 1000<br>2 SLOT<br>Ak: 0,0199m2 | Flow Rate                | m3/h  | 72         | 143 | 215 | 287  | 358  | 430  | 501  | 573  | 645  | 716  |
|                                    | Pressure Drop            | Pa    | 1          | 5   | 10  | 18   | 29   | 41   | 56   | 74   | 93   | 115  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 1,9        | 3,8 | 5,6 | 7,5  | 9,4  | 11,3 | 13,2 | 15,1 | 16,9 | 18,8 |
|                                    | Vertical Throw Vt 0,25   | mt    | 1,3        | 2,6 | 4,0 | 5,3  | 6,6  | 7,9  | 9,2  | 10,5 | 11,9 | 13,2 |
|                                    | Noise Level              | dB(A) | 20         | 27  | 33  | 37   | 40   | 44   | 47   | 49   | 52   | 54   |
| DEL 1000<br>3 SLOT<br>Ak: 0,0298m2 | Flow Rate                | m3/h  | 107        | 215 | 322 | 430  | 537  | 645  | 752  | 860  | 967  | 1075 |
|                                    | Pressure Drop            | Pa    | 2          | 6   | 14  | 26   | 40   | 58   | 79   | 103  | 130  | 161  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 2,2        | 4,4 | 6,7 | 8,9  | 11,1 | 13,3 | 15,6 | 17,8 | 20,0 | 22,2 |
|                                    | Vertical Throw Vt 0,25   | mt    | 1,6        | 3,1 | 4,7 | 6,2  | 7,8  | 9,3  | 10,9 | 12,4 | 14,0 | 15,6 |
|                                    | Noise Level              | dB(A) | 22         | 29  | 35  | 40   | 43   | 47   | 50   | 53   | 56   | 58   |
| DEL 1000<br>4 SLOT<br>Ak: 0,0398m2 | Flow Rate                | m3/h  | 143        | 287 | 430 | 573  | 716  | 860  | 1003 | 1146 | 1290 | 1433 |
|                                    | Pressure Drop            | Pa    | 3          | 10  | 23  | 41   | 64   | 92   | 125  | 163  | 206  | 255  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 2,5        | 5,0 | 7,6 | 10,1 | 12,6 | 15,1 | 17,6 | 20,2 | 22,7 | 25,2 |
|                                    | Vertical Throw Vt 0,25   | mt    | 1,8        | 3,5 | 5,3 | 7,1  | 8,8  | 10,6 | 12,4 | 14,1 | 15,9 | 17,6 |
|                                    | Noise Level              | dB(A) | 24         | 32  | 39  | 44   | 48   | 52   | 55   | 58   | 61   | 64   |

Note: the data indicated refer to operation in isothermal conditions

QUICK SELECTION TABLE - L. 1500mm - ISOTHERMAL CONDITIONS

| MODEL                              | DESCRIPTION              | U.M.  | Vi (m/sec) |     |      |      |      |      |      |      |      |      |
|------------------------------------|--------------------------|-------|------------|-----|------|------|------|------|------|------|------|------|
|                                    |                          |       | 1          | 2   | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| DEL 1500<br>1 SLOT<br>Ak: 0,0149m2 | Flow Rate                | m3/h  | 54         | 107 | 161  | 215  | 269  | 322  | 376  | 430  | 484  | 537  |
|                                    | Pressure Drop            | Pa    | 1          | 5   | 11   | 20   | 31   | 45   | 61   | 79   | 101  | 124  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 2,0        | 4,0 | 5,9  | 7,9  | 9,9  | 11,9 | 13,9 | 15,9 | 17,8 | 19,8 |
|                                    | Vertical Throw Vt 0,25   | mt    | 1,4        | 2,8 | 4,2  | 5,6  | 6,9  | 8,3  | 9,7  | 11,1 | 12,5 | 13,9 |
|                                    | Noise Level              | dB(A) | 20         | 27  | 32   | 36   | 40   | 43   | 46   | 49   | 52   | 54   |
| DEL 1500<br>2 SLOT<br>Ak: 0,0298m2 | Flow Rate                | m3/h  | 107        | 215 | 322  | 430  | 537  | 645  | 752  | 860  | 967  | 1075 |
|                                    | Pressure Drop            | Pa    | 2          | 6   | 14   | 24   | 38   | 55   | 74   | 97   | 123  | 152  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 2,9        | 5,7 | 8,6  | 11,5 | 14,4 | 17,2 | 20,1 | 23,0 | 25,9 | 28,7 |
|                                    | Vertical Throw Vt 0,25   | mt    | 2,0        | 4,0 | 6,0  | 8,0  | 10,1 | 12,1 | 14,1 | 16,1 | 18,1 | 20,1 |
|                                    | Noise Level              | dB(A) | 21         | 28  | 34   | 38   | 42   | 45   | 49   | 51   | 54   | 57   |
| DEL 1500<br>3 SLOT<br>Ak: 0,0448m2 | Flow Rate                | m3/h  | 161        | 322 | 484  | 645  | 806  | 967  | 1128 | 1290 | 1451 | 1612 |
|                                    | Pressure Drop            | Pa    | 3          | 10  | 23   | 42   | 65   | 94   | 128  | 167  | 211  | 260  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 3,4        | 6,7 | 10,1 | 13,5 | 16,8 | 20,2 | 23,6 | 26,9 | 30,3 | 33,7 |
|                                    | Vertical Throw Vt 0,25   | mt    | 2,4        | 4,7 | 7,1  | 9,4  | 11,8 | 14,1 | 16,5 | 18,8 | 21,2 | 23,6 |
|                                    | Noise Level              | dB(A) | 23         | 32  | 38   | 43   | 47   | 51   | 55   | 58   | 61   | 64   |
| DEL 1500<br>4 SLOT<br>Ak: 0,0597m2 | Flow Rate                | m3/h  | 215        | 430 | 645  | 860  | 1075 | 1290 | 1504 | 1719 | 1934 | 2149 |
|                                    | Pressure Drop            | Pa    | 3          | 11  | 25   | 45   | 70   | 100  | 136  | 178  | 226  | 278  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 3,8        | 7,6 | 11,4 | 15,2 | 19,0 | 22,8 | 26,6 | 30,4 | 34,1 | 37,9 |
|                                    | Vertical Throw Vt 0,25   | mt    | 2,7        | 5,3 | 8,0  | 10,6 | 13,3 | 15,9 | 18,6 | 21,2 | 23,9 | 26,6 |
|                                    | Noise Level              | dB(A) | 24         | 32  | 38   | 43   | 48   | 52   | 55   | 59   | 62   | 65   |

Note: the data indicated refer to operation in isothermal conditions

QUICK SELECTION TABLE - L. 2000mm - ISOTHERMAL CONDITIONS

| MODEL                              | DESCRIPTION              | U.M.  | Vi (m/sec) |      |      |      |      |      |      |      |      |      |
|------------------------------------|--------------------------|-------|------------|------|------|------|------|------|------|------|------|------|
|                                    |                          |       | 1          | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| DEL 2000<br>1 SLOT<br>Ak: 0,0199m2 | Flow Rate                | m3/h  | 72         | 143  | 215  | 287  | 358  | 430  | 501  | 573  | 645  | 716  |
|                                    | Pressure Drop            | Pa    | 2          | 7    | 16   | 28   | 44   | 63   | 86   | 112  | 142  | 175  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 2,6        | 5,3  | 7,9  | 10,6 | 13,2 | 15,9 | 18,5 | 21,2 | 23,8 | 26,5 |
|                                    | Vertical Throw Vt 0,25   | mt    | 1,9        | 3,7  | 5,6  | 7,4  | 9,3  | 11,1 | 13,0 | 14,8 | 16,7 | 18,5 |
|                                    | Noise Level              | dB(A) | 20         | 27   | 33   | 38   | 42   | 45   | 49   | 52   | 55   | 57   |
| DEL 2000<br>2 SLOT<br>Ak: 0,0398m2 | Flow Rate                | m3/h  | 143        | 287  | 430  | 573  | 716  | 860  | 1003 | 1146 | 1290 | 1433 |
|                                    | Pressure Drop            | Pa    | 2          | 8    | 19   | 34   | 53   | 76   | 104  | 135  | 171  | 211  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 3,9        | 7,8  | 11,6 | 15,5 | 19,4 | 23,3 | 27,1 | 31,0 | 34,9 | 38,8 |
|                                    | Vertical Throw Vt 0,25   | mt    | 2,7        | 5,4  | 8,1  | 10,9 | 13,6 | 16,3 | 19,0 | 21,7 | 24,4 | 27,1 |
|                                    | Noise Level              | dB(A) | 21         | 29   | 35   | 39   | 44   | 47   | 51   | 54   | 57   | 60   |
| DEL 2000<br>3 SLOT<br>Ak: 0,0597m2 | Flow Rate                | m3/h  | 215        | 430  | 645  | 860  | 1075 | 1290 | 1504 | 1719 | 1934 | 2149 |
|                                    | Pressure Drop            | Pa    | 2          | 9    | 20   | 36   | 56   | 80   | 109  | 142  | 180  | 222  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 4,5        | 9,0  | 13,5 | 18,1 | 22,6 | 27,1 | 31,6 | 36,1 | 40,6 | 45,1 |
|                                    | Vertical Throw Vt 0,25   | mt    | 3,2        | 6,3  | 9,5  | 12,6 | 15,8 | 19,0 | 22,1 | 25,3 | 28,4 | 31,6 |
|                                    | Noise Level              | dB(A) | 21         | 29   | 35   | 40   | 44   | 48   | 51   | 55   | 58   | 61   |
| DEL 2000<br>4 SLOT<br>Ak: 0,0796m2 | Flow Rate                | m3/h  | 287        | 573  | 860  | 1146 | 1433 | 1719 | 2006 | 2292 | 2579 | 2866 |
|                                    | Pressure Drop            | Pa    | 4          | 16   | 37   | 66   | 103  | 148  | 201  | 263  | 333  | 411  |
|                                    | Horizontal Throw Vt 0,25 | mt    | 5,1        | 10,1 | 15,2 | 20,2 | 25,3 | 30,4 | 35,4 | 40,5 | 45,6 | 50,6 |
|                                    | Vertical Throw Vt 0,25   | mt    | 3,5        | 7,1  | 10,6 | 14,2 | 17,7 | 21,3 | 24,8 | 28,3 | 31,9 | 35,4 |
|                                    | Noise Level              | dB(A) | 24         | 33   | 40   | 46   | 51   | 55   | 59   | 63   | 66   | 70   |

Note: the data indicated refer to operation in isothermal conditions