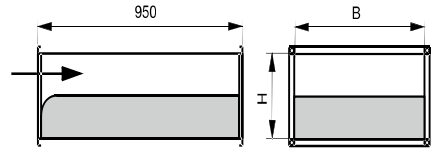
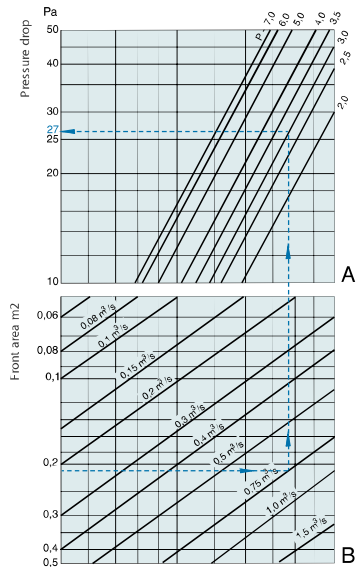


## LDR Rectangular Silencer



Easily-fitted silencer immediately before or after the KE, KT, RS and RSI rectangular duct fans. Effectively suppresses noise transmitted to the duct. The silencer should be used together with an insulated fan where there is a requirement for noise suppression both in the duct and in the surroundings as a whole. All silencers are supplied with a universal flange suitable for PG flange or Metu profile.

Noise suppression dB (mid-frequency Hz)							
LDR	125	250	500	1k	2k	4k	8k
30-15	7	15	18	25	25	19	19
40-20	5	9	15	23	16	12	10
50-25	10	15	25	25	20	15	12
50-30	8	15	20	31	17	14	11
60-30	8	15	20	31	17	14	11
60-35	7	13	17	18	13	10	8
70-40	7	11	14	14	10	8	6
80-50	6	8	10	11	8	6	3
100-50	6	8	10	11	8	6	3



LDR	B	H	kg
30-15	300	150	10
40-20	400	200	13
50-25	500	250	17
50-30	500	300	19
60-30	600	300	21
60-35	600	350	23
70-40	700	400	27
80-50	800	500	34
100-50	1000	500	41

LDR	Front Area M/2	P Value
30-15	0.045	3.5
40-20	0.08	3.6
50-25	0.125	3.7
50-30	0.15	3.3
60-30	0.18	3.3
60-35	0.21	3.0
70-40	0.28	3.1
80-50	0.40	3.6
100-50	0.50	3.6

### Pressure drop calculation for rectangular silencers

These calculations apply only if the silencer is connected to a duct at both ends.

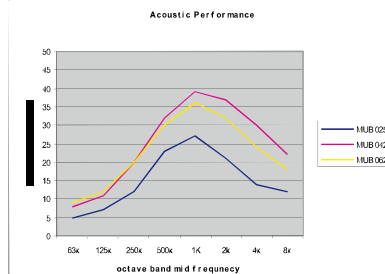
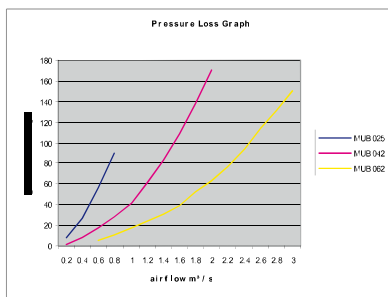
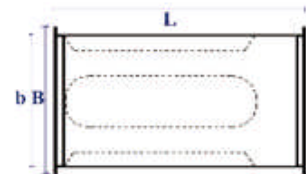
Example: Calculation of pressure drop for the LDR 60-35 (with model RSI 60-35 M3~) using the diagram to the right.

1. Start by defining the front area, see the table below.
  2. Move horizontally to the right until you reach the designated air flow in diagram B.
  3. Go up vertically to diagram A and the correct p value (see the table).
  4. Then continue horizontally to the left and read off the pressure drop.
- In this example, the pressure drop is 27 Pa.

## MUB SIL Multibox Silencer



Inlet-outlet silencer  
Suitable for MUB-fans – all 1200 mm long inc 300 mm plenum.



MUB	b	B	L	kg
025	378	418	1200	19
042	548	588	1200	39
062	678	718	1200	57
100	878	918	1200	enq