NORDgrille

Internal Grilles

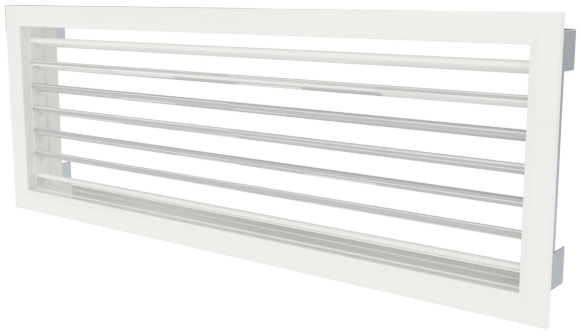
ETS NORD

Contents

RSV General Grille

RSV is an exhaust air grille with adjustable horizontal blades (blades adjustable in one direction). Designed to use in the exhaust ventilation system.

- Adjustable horizontal blades.
- Removable grille allows for easy cleaning both the grille and the duct.
- Can be manufactured in modules.



Application

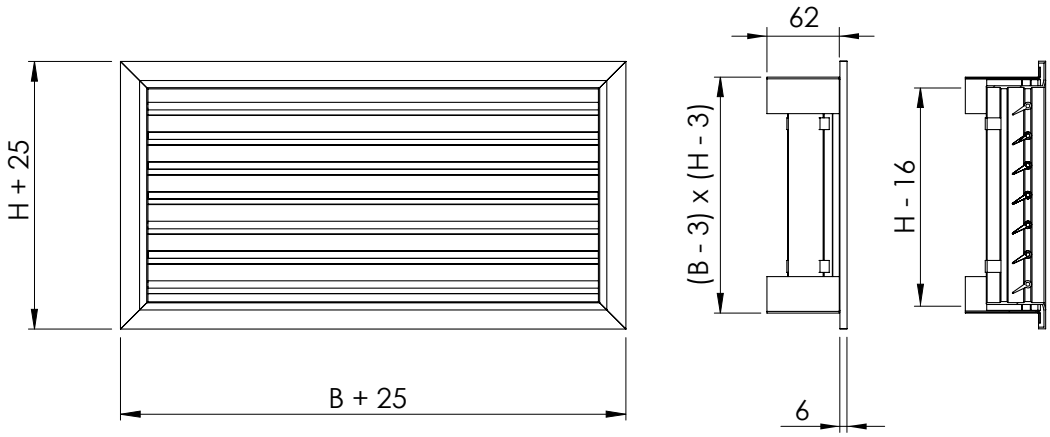
RSV – Adjustable horizontal blades. Mainly used for exhaust air.

RSK – Mounting frame. For installing grille to duct.

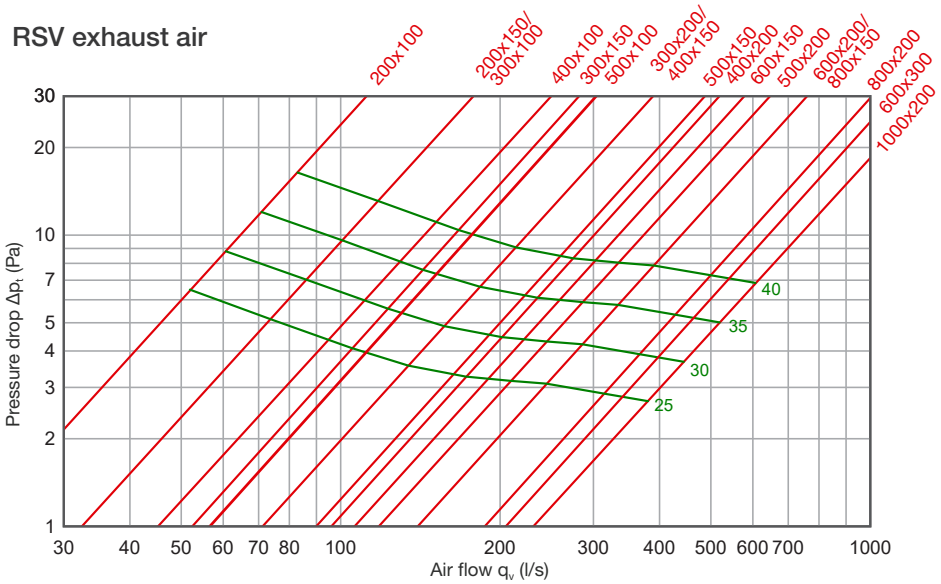
Structure and Dimensions

Manufactured of aluminum profiles. Good torsional stiffness and adjustability because of welded frame and riveted bars. Mounting Frame manufactured of zinc-magnesium coated steel (ZM 310). Standard colour white (RAL 9003). Other RAL colours available.

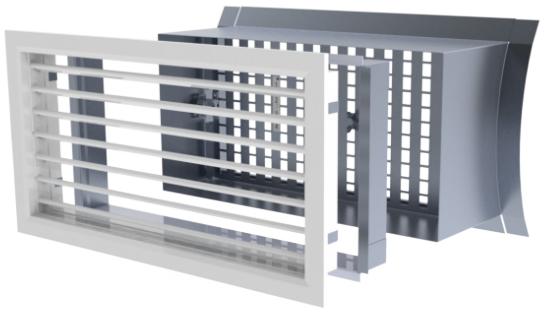
The minimum size of the RSV general grille is 75×75 mm and the maximum 2000×1000 mm.



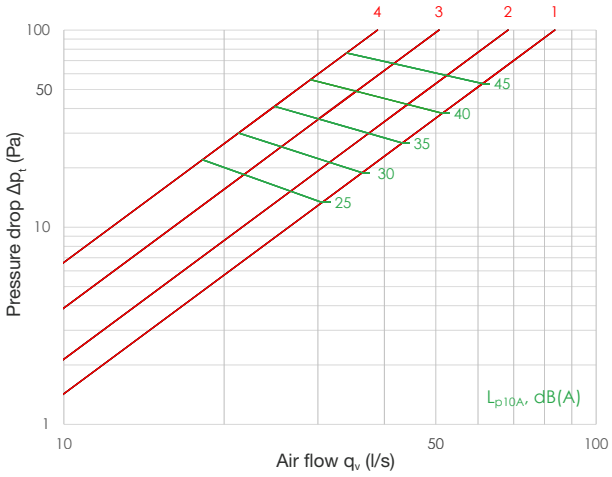
Technical Data



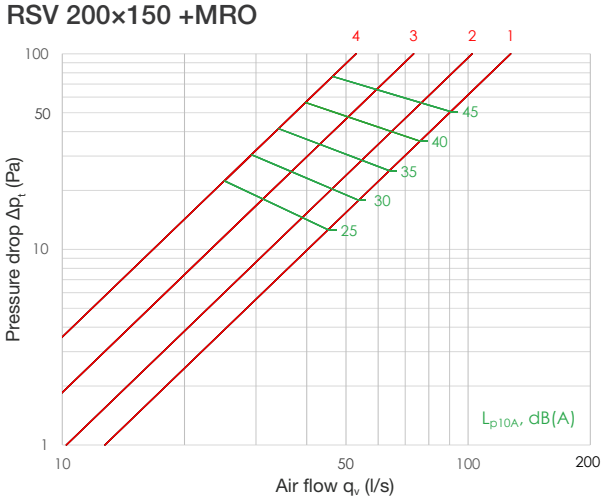
RSV+MRO Exhaust Air: Air Flow – Pressure Drop



RSV 200×100 +MRO



RSV 200×150 +MRO



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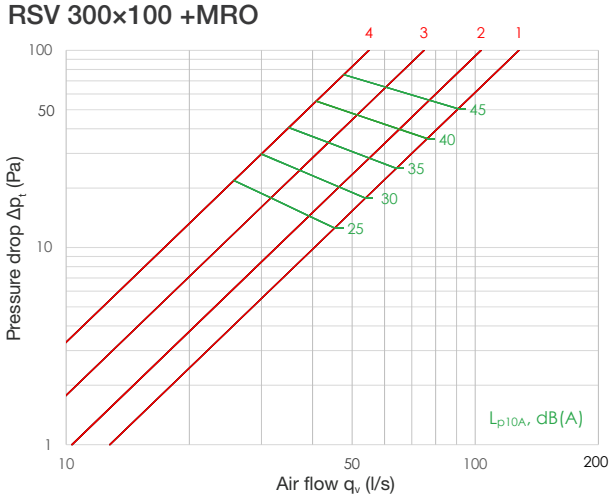

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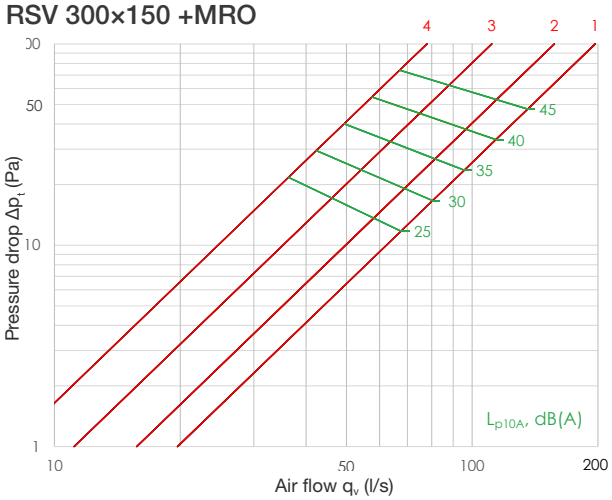

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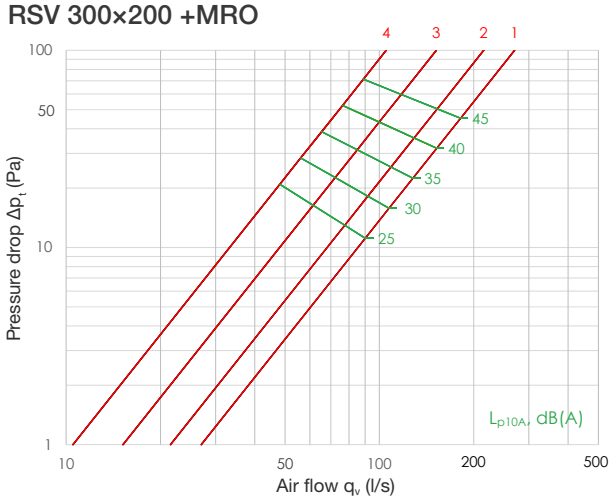
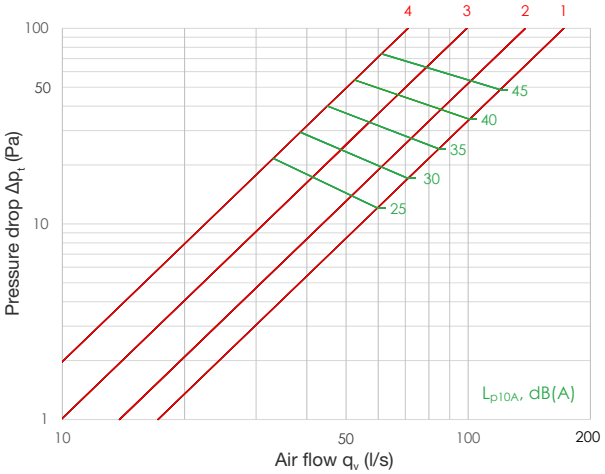


RSV 400×100 +MRO



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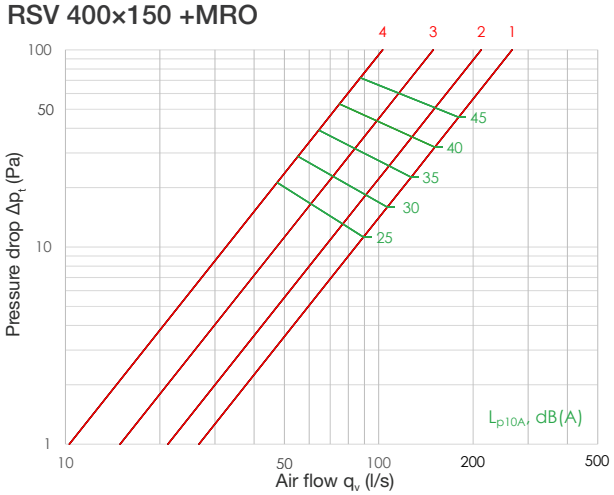
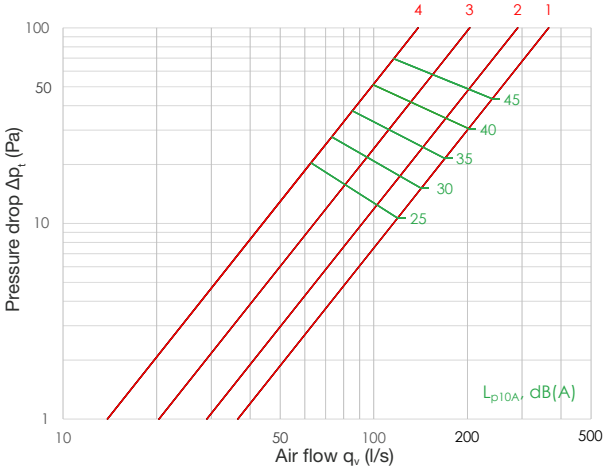
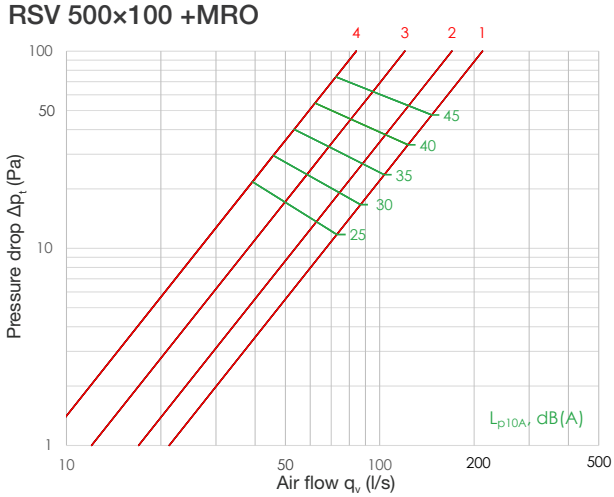


RSV 400×200 +MRO



RSV 500×100 +MRO



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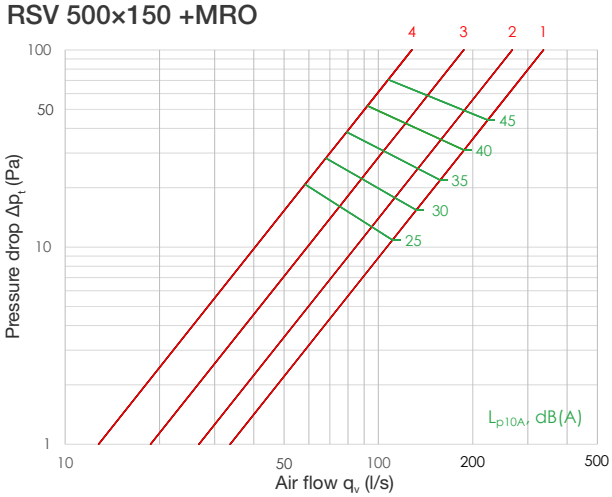

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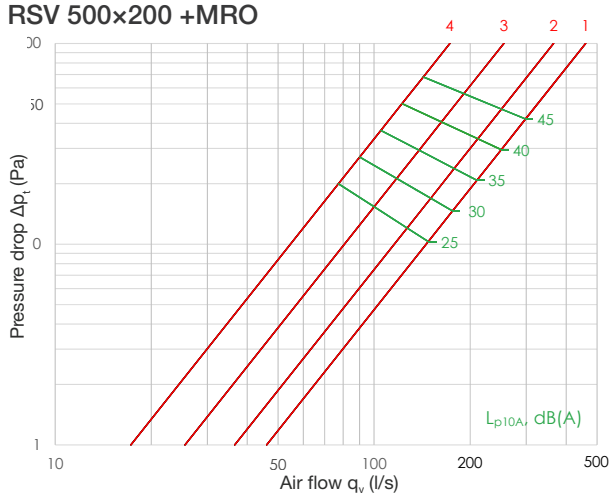

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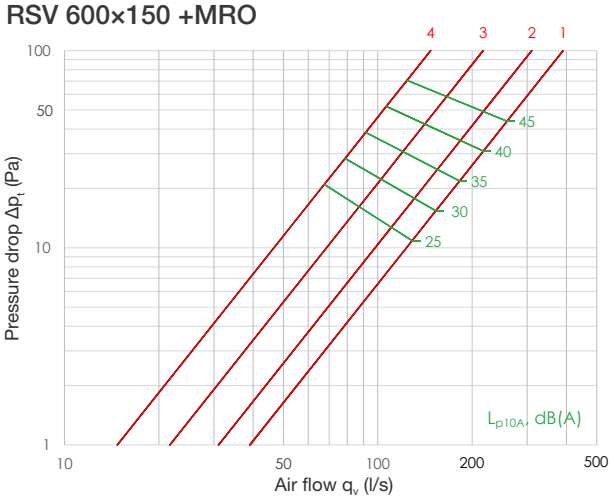

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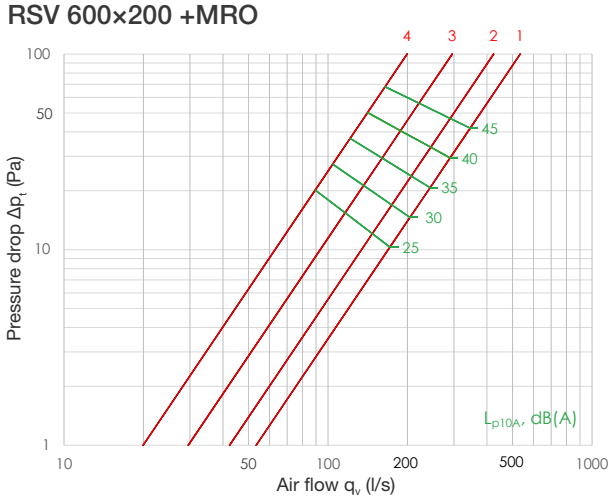
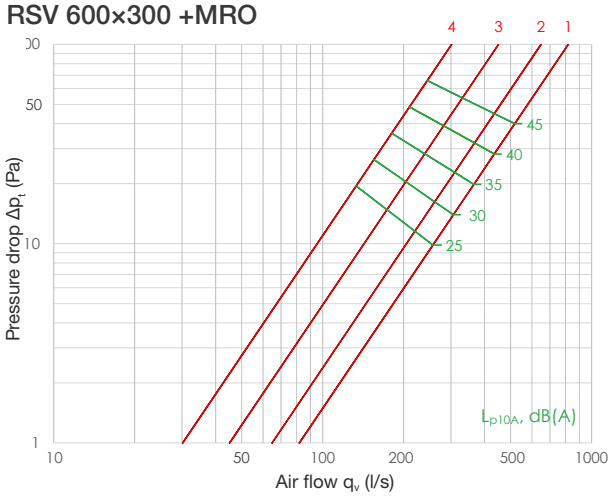
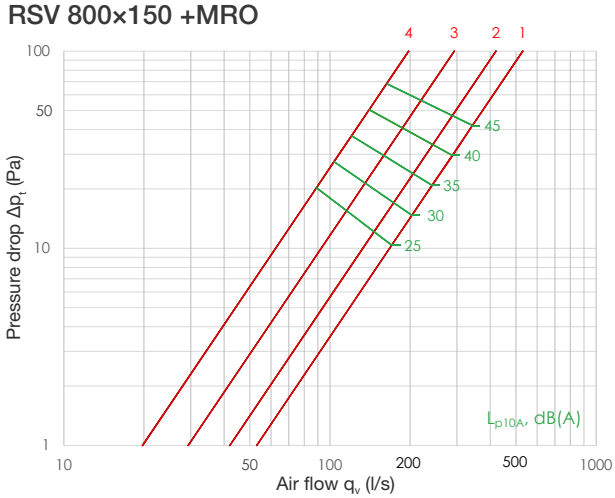


RSV 600×300 +MRO



RSV 800×150 +MRO



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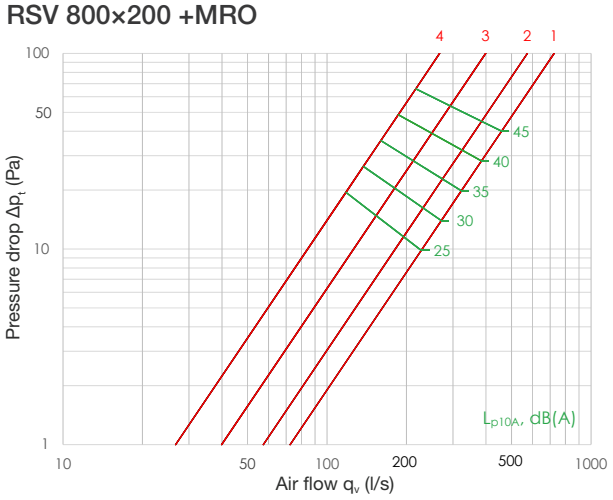
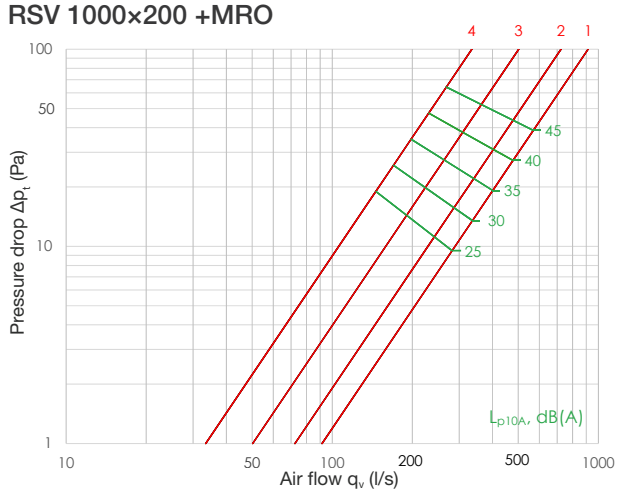
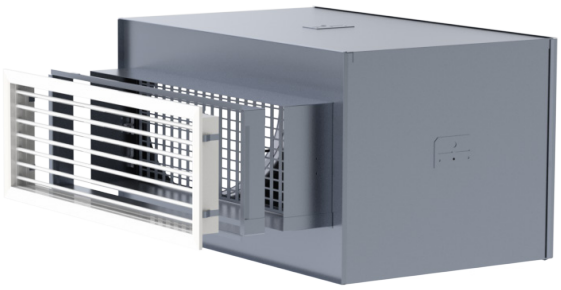


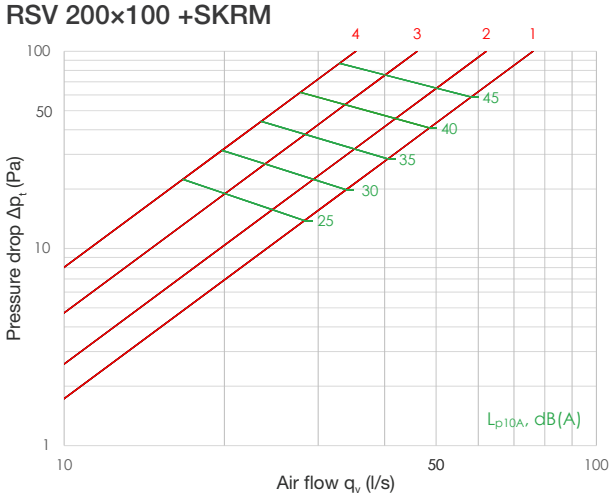
RSV 1000×200 +MRO



RSV+SKRM Exhaust Air: Air Flow – Pressure Drop



RSV 200×100 +SKRM



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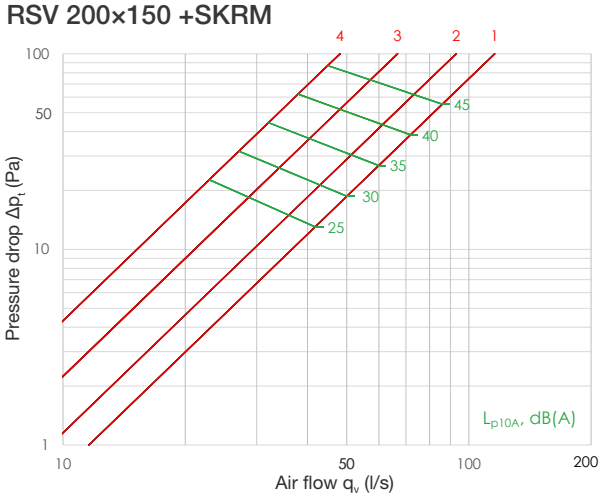
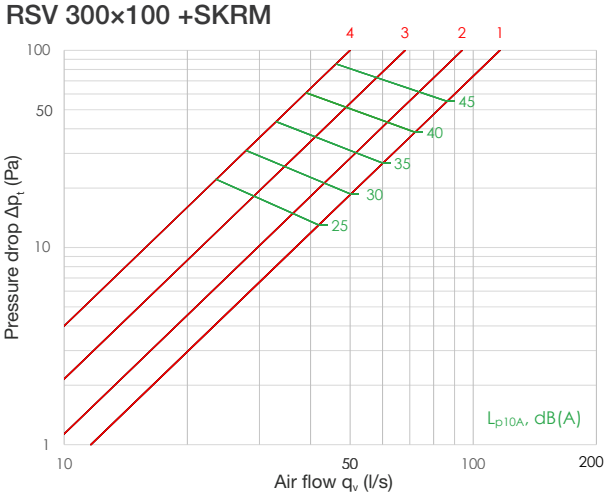
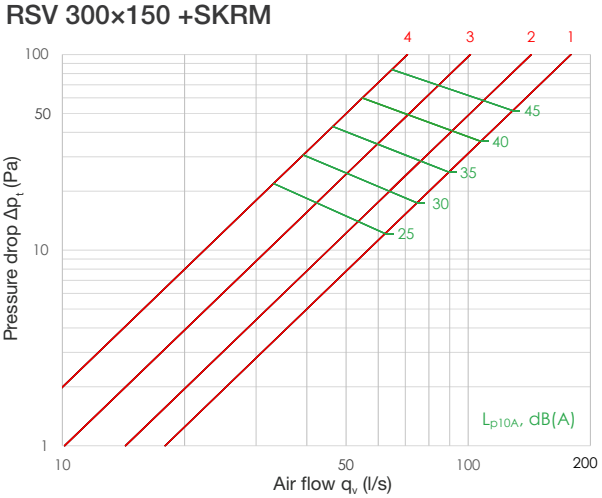


RSV 300×100 +SKRM



RSV 300×150 +SKRM



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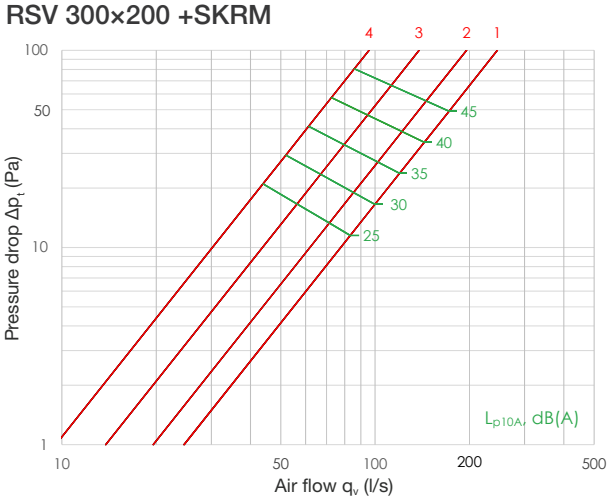
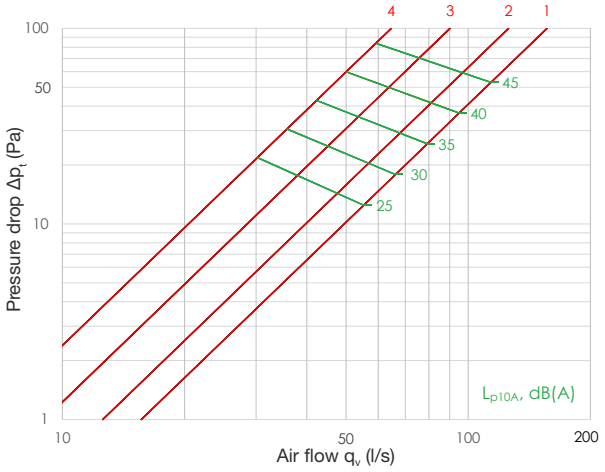
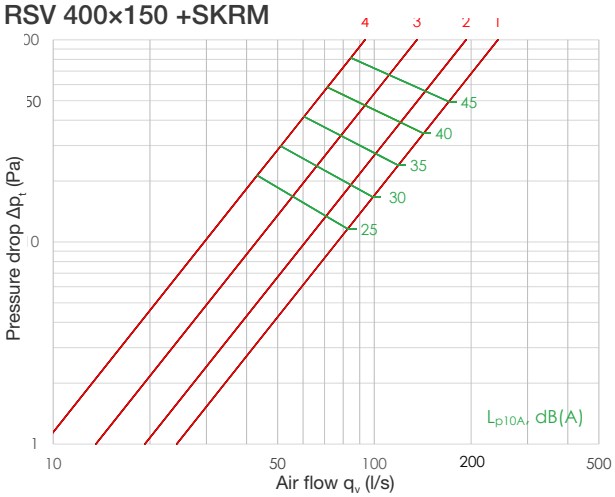


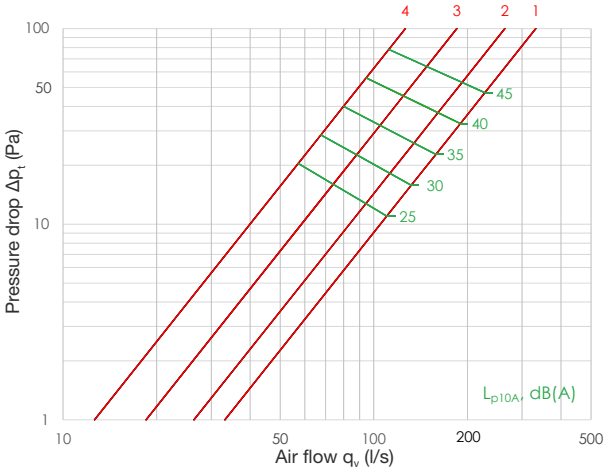
RSV 400×100 +SKRM



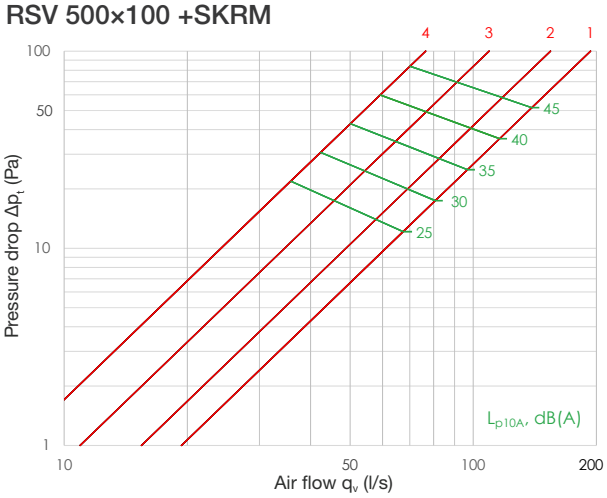
RSV 400×150 +SKRM



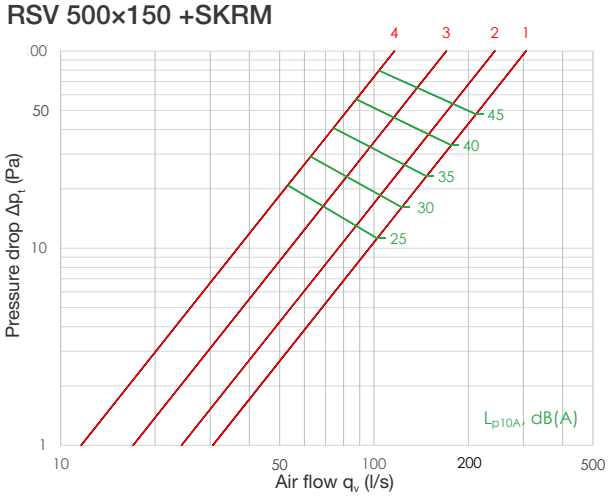
RSV 400×200 +SKRM



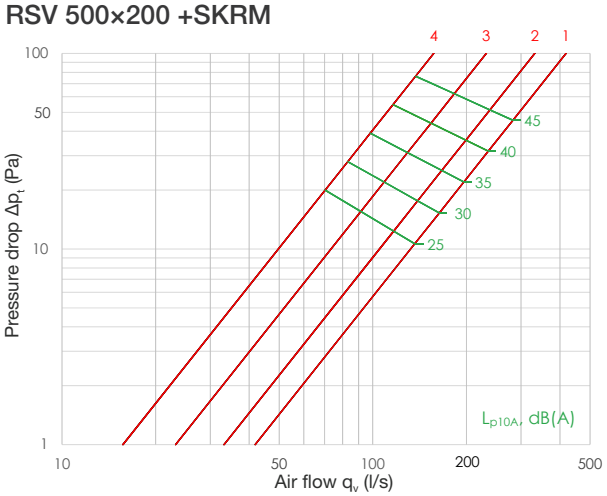
RSV 500×100 +SKRM



RSV 500×150 +SKRM



RSV 500×200 +SKRM



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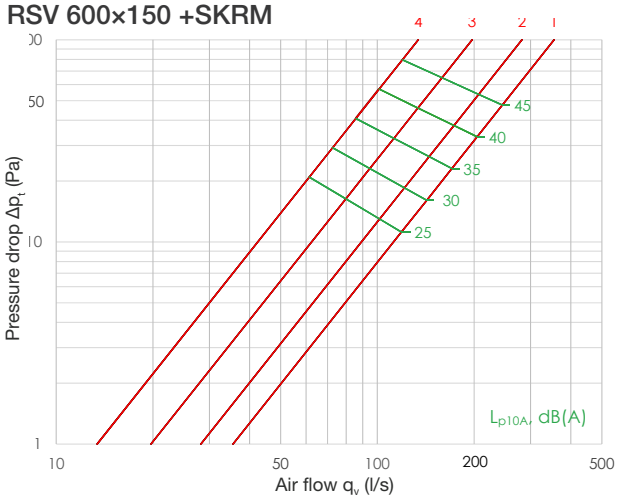
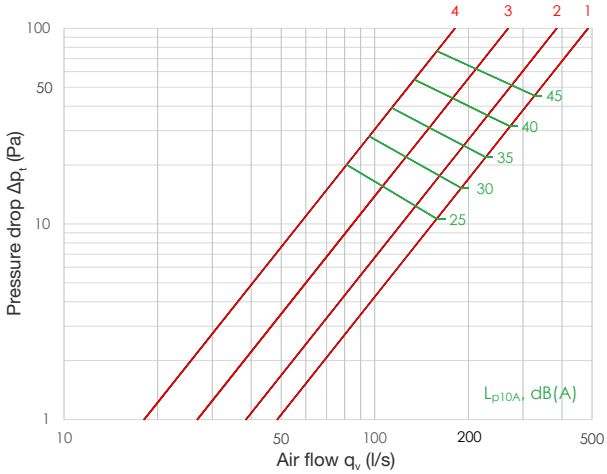
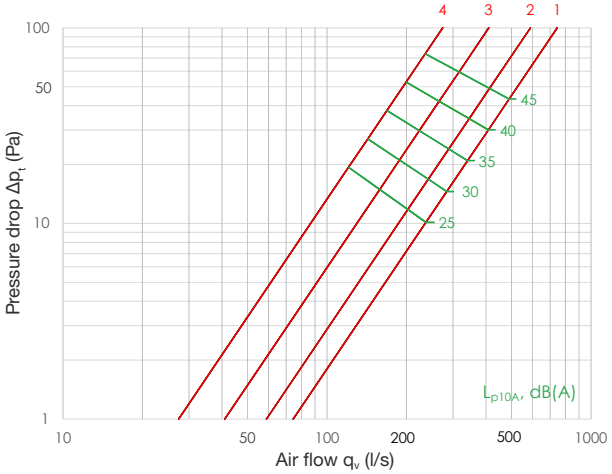


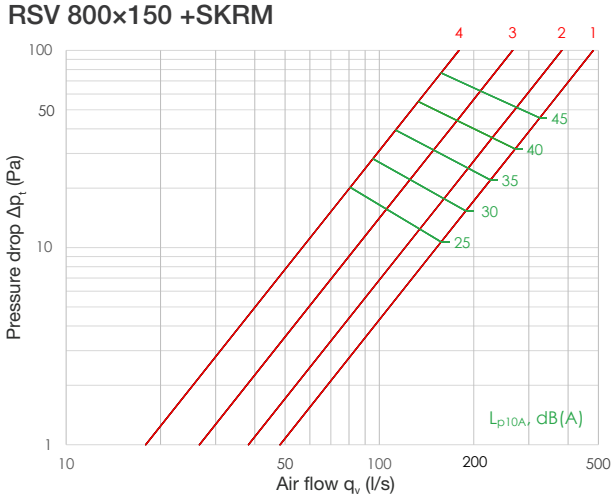
RSV 600×200 +SKRM



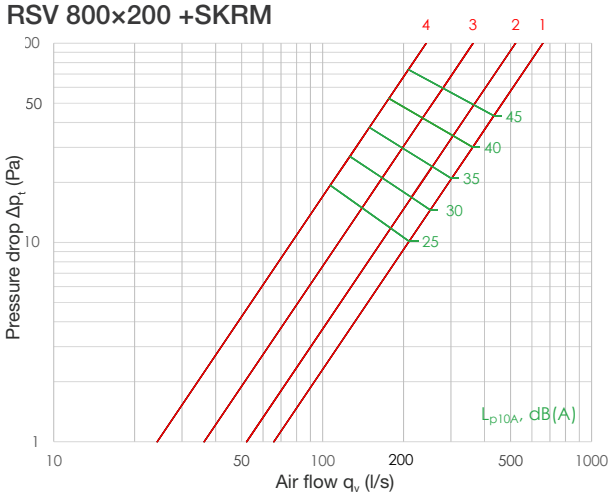
RSV 600×300 +SKRM



RSV 800×150 +SKRM



RSV 800×200 +SKRM



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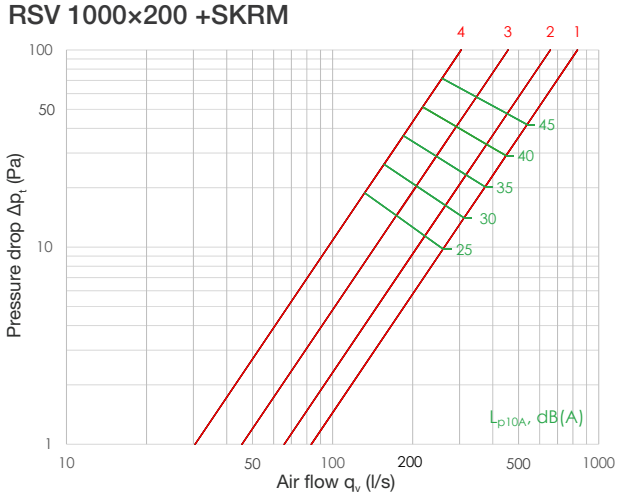


Sound power correction factors

Acoustic data, $L_w = L_{p10A} + K_{okt}$

RSV+MRO exhaust air										
Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
200×100	s = 1	7,2	-6	1	1	-2	-6	-14	-23	-31
	s = 2	5,9	-5	2	2	-1	-5	-14	-21	-26
	s = 3	4,4	-5	1	1	-1	-5	-12	-18	-23
	s = 4	3,4	-6	-2	-1	-3	-6	-8	-16	-22
200×150	s = 1	11	-6	1	0	-3	-6	-14	-24	-31
	s = 2	8,8	-5	2	2	-1	-5	-14	-21	-26
	s = 3	6,4	-5	1	1	-1	-5	-11	-18	-23
	s = 4	4,7	-6	-3	-2	-3	-6	-7	-15	-22
300×100	s = 1	11,1	-6	1	0	-3	-6	-14	-24	-31
	s = 2	8,9	-5	2	2	-1	-5	-14	-21	-26
	s = 3	6,5	-5	1	1	-1	-5	-11	-18	-23
	s = 4	4,9	-6	-2	-1	-3	-6	-8	-16	-22
300×150	s = 1	17,1	-6	0	0	-3	-6	-13	-24	-32
	s = 2	13,6	-5	2	2	-1	-5	-14	-21	-26
	s = 3	9,7	-5	1	1	-1	-5	-11	-18	-23
	s = 4	7	-6	-3	-2	-4	-6	-7	-15	-22
300×200	s = 1	23,4	-6	0	-1	-4	-7	-13	-24	-33
	s = 2	18,6	-5	2	2	-1	-5	-14	-22	-27
	s = 3	13,2	-5	1	1	-1	-5	-12	-18	-23
	s = 4	9,4	-6	-3	-2	-3	-6	-7	-15	-22
400×100	s = 1	14,9	-6	0	0	-3	-6	-14	-24	-32
	s = 2	11,9	-5	2	2	-1	-5	-14	-21	-26
	s = 3	8,6	-5	1	1	-1	-5	-11	-18	-23
	s = 4	6,3	-6	-3	-2	-3	-6	-7	-15	-22
400×150	s = 1	23,1	-6	0	-1	-4	-7	-13	-24	-33
	s = 2	18,3	-5	2	2	-1	-5	-14	-21	-27
	s = 3	13	-5	1	1	-1	-5	-11	-18	-23
	s = 4	9,2	-6	-3	-2	-4	-7	-7	-15	-22
400×200	s = 1	31,7	-6	-1	-1	-4	-7	-13	-25	-34
	s = 2	25,1	-5	2	2	-1	-5	-14	-22	-27
	s = 3	17,7	-5	1	1	-1	-5	-12	-18	-23
	s = 4	12,4	-6	-3	-2	-4	-6	-7	-15	-22
500×100	s = 1	18,9	-6	0	0	-3	-6	-13	-24	-32
	s = 2	15	-5	2	2	-1	-5	-14	-21	-26
	s = 3	10,7	-5	1	1	-1	-5	-11	-18	-23
	s = 4	7,7	-6	-3	-2	-4	-6	-7	-15	-22
500×150	s = 1	29,2	-6	0	-1	-4	-7	-13	-24	-33
	s = 2	23,1	-5	2	2	-1	-5	-14	-21	-27
	s = 3	16,3	-5	1	1	-1	-5	-11	-18	-23
	s = 4	11,4	-6	-3	-2	-4	-7	-7	-15	-22
500×200	s = 1	40	-6	-1	-2	-4	-7	-13	-25	-34
	s = 2	31,6	-5	2	2	-1	-5	-14	-22	-27
	s = 3	22,2	-5	1	1	-1	-5	-12	-18	-23
	s = 4	15,4	-6	-3	-2	-4	-6	-7	-15	-22
600×150	s = 1	33,9	-6	0	0	-3	-6	-13	-24	-32
	s = 2	26,8	-5	2	2	-1	-5	-14	-21	-26
	s = 3	18,9	-5	0	1	-1	-5	-11	-18	-23
	s = 4	13,2	-6	-3	-2	-4	-7	-6	-15	-22
600×200	s = 1	46,4	-6	0	-1	-4	-7	-13	-24	-33
	s = 2	36,6	-5	2	2	-1	-5	-14	-21	-27
	s = 3	25,7	-5	1	1	-1	-5	-11	-18	-23
	s = 4	17,9	-6	-3	-2	-4	-7	-7	-15	-22
600×300	s = 1	71,1	-6	-1	-1	-4	-7	-13	-25	-33
	s = 2	56,1	-5	2	2	-1	-5	-14	-22	-27
	s = 3	39,3	-5	1	1	-1	-5	-11	-18	-23
	s = 4	27,1	-6	-3	-2	-4	-7	-7	-15	-22

RSV+MRO exhaust air

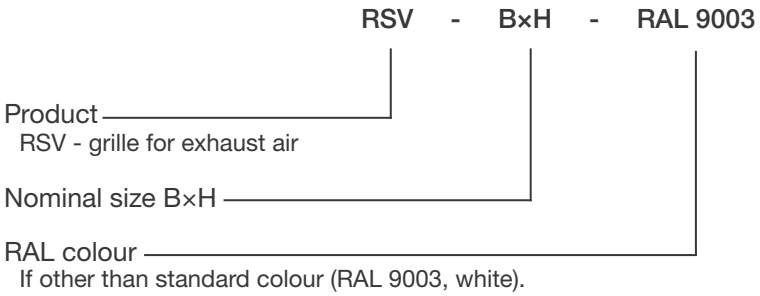
Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
800×150	s = 1	46	-6	0	-1	-3	-7	-13	-24	-33
	s = 2	36,3	-5	2	2	-1	-5	-14	-21	-26
	s = 3	25,5	-5	1	1	-1	-5	-11	-18	-23
	s = 4	17,7	-6	-3	-2	-4	-7	-6	-15	-22
800×200	s = 1	62,9	-6	-1	-1	-4	-7	-13	-25	-33
	s = 2	49,6	-5	2	2	-1	-5	-14	-22	-27
	s = 3	34,7	-5	1	1	-1	-5	-11	-18	-23
	s = 4	23,9	-6	-3	-2	-4	-7	-7	-15	-22
1000×200	s = 1	79,4	-6	-1	-1	-4	-7	-13	-25	-34
	s = 2	62,6	-5	2	2	-1	-5	-14	-22	-27
	s = 3	43,6	-5	1	1	-1	-5	-11	-18	-23
	s = 4	29,9	-6	-3	-2	-4	-7	-7	-15	-22
			± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB

RSV+SKRM exhaust air

Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
200×100	s = 1	6,9	5	8	0	-6	-5	-15	-22	-25
	s = 2	5,6	5	8	3	-3	-5	-16	-22	-25
	s = 3	4,2	4	6	3	-2	-5	-15	-20	-24
	s = 4	3,2	2	3	1	-3	-5	-12	-18	-23
200×150	s = 1	10,5	5	7	0	-6	-5	-15	-22	-25
	s = 2	8,4	5	8	3	-3	-5	-16	-22	-25
	s = 3	6,1	4	6	3	-2	-5	-14	-20	-24
	s = 4	4,5	2	2	1	-3	-5	-11	-18	-23
300×100	s = 1	10,5	4	7	-1	-6	-5	-15	-21	-25
	s = 2	8,5	5	8	3	-3	-5	-16	-22	-25
	s = 3	6,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	4,6	2	3	1	-3	-5	-11	-18	-23
300×150	s = 1	16,2	4	7	-1	-7	-5	-15	-21	-25
	s = 2	12,9	5	8	2	-3	-5	-16	-22	-25
	s = 3	9,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	6,6	2	2	0	-3	-5	-11	-17	-23
300×200	s = 1	22,3	4	7	-2	-7	-5	-14	-21	-25
	s = 2	17,7	5	8	2	-3	-5	-16	-22	-25
	s = 3	12,5	4	6	3	-2	-5	-15	-20	-24
	s = 4	8,9	2	2	1	-3	-5	-11	-18	-23
400×100	s = 1	14,2	4	7	-1	-6	-5	-15	-21	-25
	s = 2	11,3	5	8	3	-3	-5	-16	-22	-25
	s = 3	8,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	6	2	2	1	-3	-5	-11	-18	-23
400×150	s = 1	22	4	7	-2	-7	-5	-14	-21	-25
	s = 2	17,4	5	8	2	-3	-5	-16	-22	-25
	s = 3	12,3	4	6	3	-2	-5	-14	-20	-24
	s = 4	8,7	1	2	0	-3	-5	-11	-17	-23
400×200	s = 1	30,1	4	7	-2	-8	-5	-14	-21	-24
	s = 2	23,8	5	8	2	-4	-5	-16	-22	-25
	s = 3	16,8	4	6	3	-2	-5	-15	-20	-24
	s = 4	11,7	2	2	1	-3	-5	-11	-17	-23
500×100	s = 1	17,9	4	7	-1	-7	-5	-15	-21	-25
	s = 2	14,2	5	8	2	-3	-5	-16	-22	-25
	s = 3	10,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	7,3	2	2	0	-3	-5	-11	-17	-23
500×150	s = 1	27,7	4	7	-2	-7	-5	-14	-21	-25
	s = 2	21,9	5	8	2	-3	-5	-16	-22	-25
	s = 3	15,4	4	6	3	-2	-5	-14	-20	-24
	s = 4	10,8	1	2	0	-4	-5	-11	-17	-23
500×200	s = 1	38	4	7	-3	-8	-5	-14	-21	-24
	s = 2	30	5	8	2	-4	-5	-16	-22	-25
	s = 3	21	4	6	3	-2	-5	-15	-20	-24
	s = 4	14,6	2	2	0	-3	-5	-11	-17	-23

RSV+SKRM exhaust air										
Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
600×150	s = 1	32,2	4	7	-1	-6	-5	-15	-21	-25
	s = 2	25,5	5	8	3	-3	-5	-16	-22	-25
	s = 3	17,9	4	5	3	-2	-5	-14	-20	-24
	s = 4	12,5	1	2	0	-4	-5	-10	-17	-23
600×200	s = 1	44	4	7	-2	-7	-5	-14	-21	-25
	s = 2	34,8	5	8	2	-3	-5	-16	-22	-25
	s = 3	24,4	4	6	3	-2	-5	-14	-20	-24
	s = 4	16,9	1	2	0	-4	-5	-10	-17	-23
600×300	s = 1	67,6	4	7	-2	-7	-5	-14	-21	-25
	s = 2	53,3	5	8	2	-3	-5	-16	-22	-25
	s = 3	37,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	25,6	1	2	0	-4	-5	-10	-17	-23
800×150	s = 1	43,7	4	7	-2	-7	-5	-14	-21	-25
	s = 2	34,5	5	8	2	-3	-5	-16	-22	-25
	s = 3	24,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	16,8	1	2	0	-4	-5	-10	-17	-23
800×200	s = 1	59,8	4	7	-2	-7	-5	-14	-21	-25
	s = 2	47,1	5	8	2	-3	-5	-16	-22	-25
	s = 3	32,9	4	6	3	-2	-5	-14	-20	-24
	s = 4	22,6	1	2	0	-4	-5	-10	-17	-23
1000×200	s = 1	75,5	4	7	-3	-8	-5	-14	-21	-24
	s = 2	59,4	5	8	2	-4	-5	-16	-22	-25
	s = 3	41,4	4	6	3	-2	-5	-15	-20	-24
	s = 4	28,4	1	2	0	-4	-5	-10	-17	-23
			± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB

Product Marking



Example: RSV 500×150

Accessories:

SKRM - plenum box

MRO - regulating part

Installation

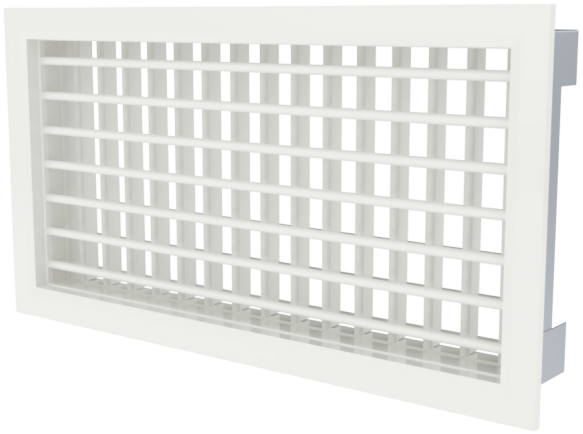
Attach to rectangular duct with mounting frame RSK. Installation to round duct with SKRM plenum box. Wall installation: recommended minimum distance to ceiling 200 mm.

Cleaning: Remove grille from frame carefully, with a screwdriver if needed. Clean parts with a damp cloth. Replace grille.

RSP General Grille

Classic grille manufactured of aluminum for supply, exhaust and transfer air.

- Adjustable blades.
- Removable grille allows for easy cleaning both the grille and the duct.
- Can be manufactured in modules.



Application

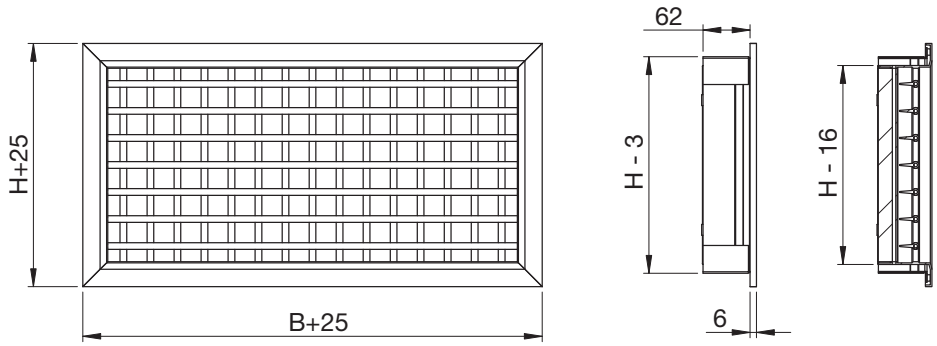
RSP – Adjustable front and back blades. Used for supply and exhaust air.

RSK – Mounting frame. For installing grille to duct.

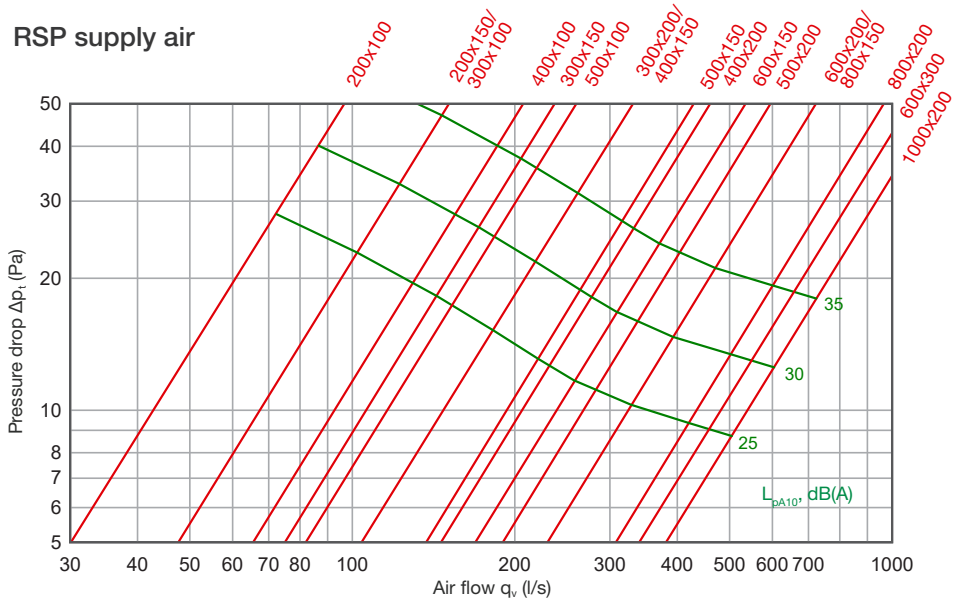
Structure and Dimensions

Manufactured of aluminum profiles. Good torsional stiffness and adjustability because of welded frame and riveted bars. Mounting Frame manufactured of zinc-magnesium coated steel (ZM 310) .Standard colour white (RAL 9003). Other RAL colours available.

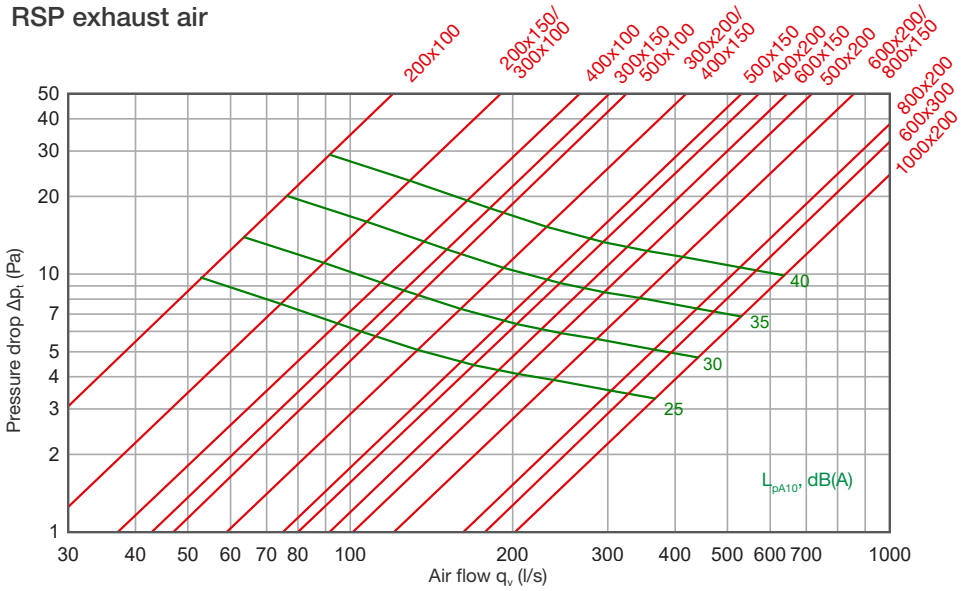
The minimum size of the RSP general grille is 75×75 mm and the maximum 2000×1000 mm.



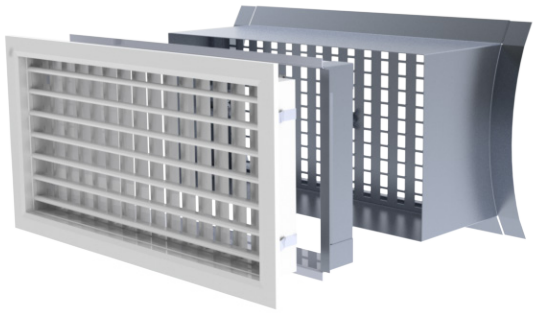
Technical Data



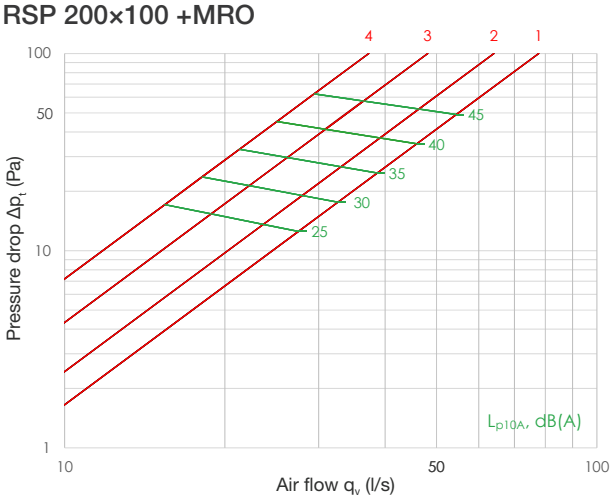
RSP exhaust air



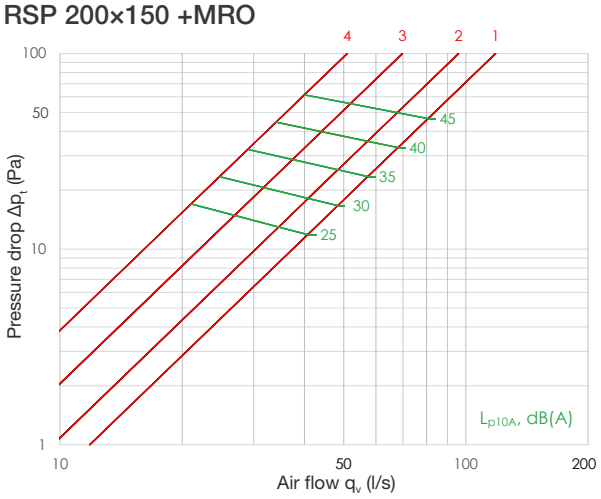
RSP+MRO Supply Air: Air Flow – Pressure Drop



RSP 200×100 +MRO



RSP 200×150 +MRO



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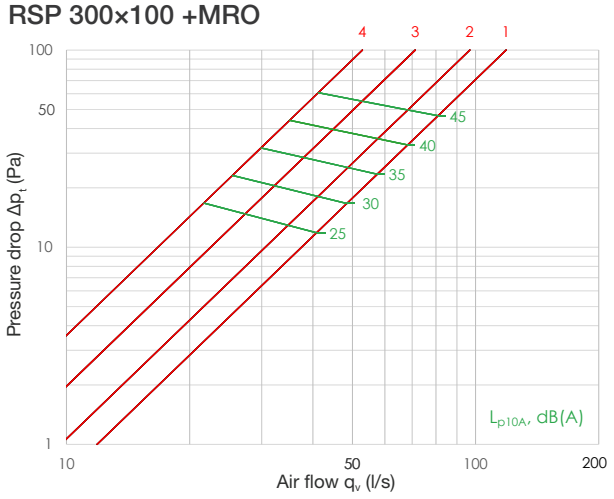
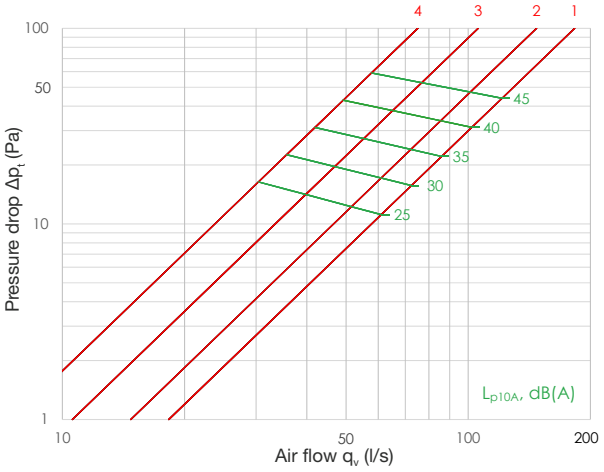
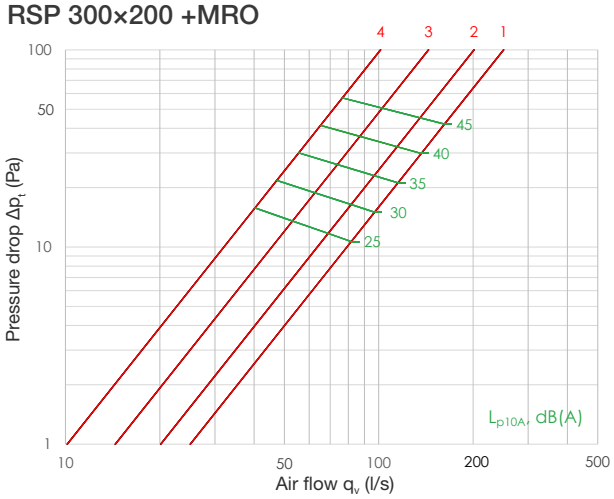


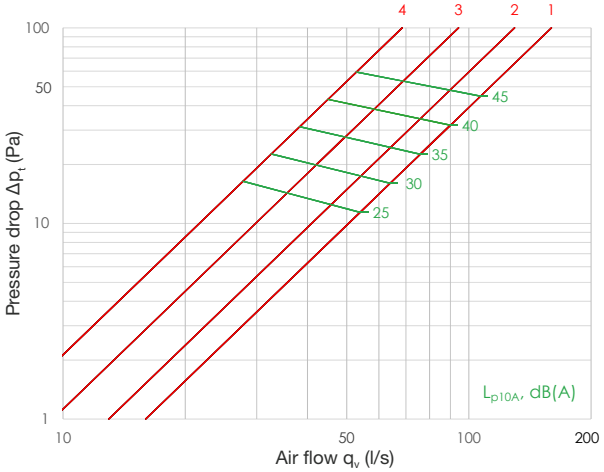
RSP 300×150 +MRO



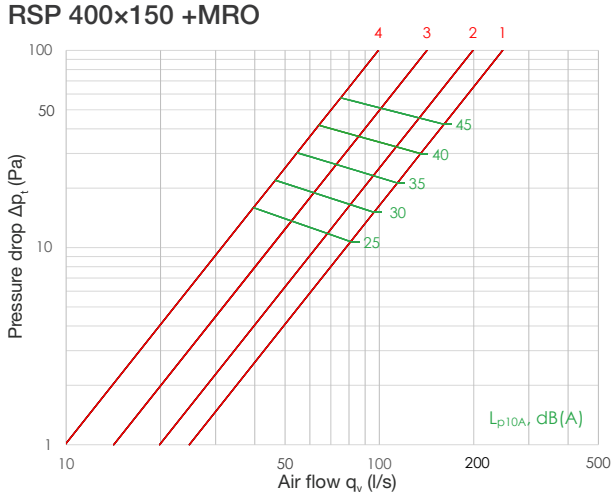
RSP 300×200 +MRO



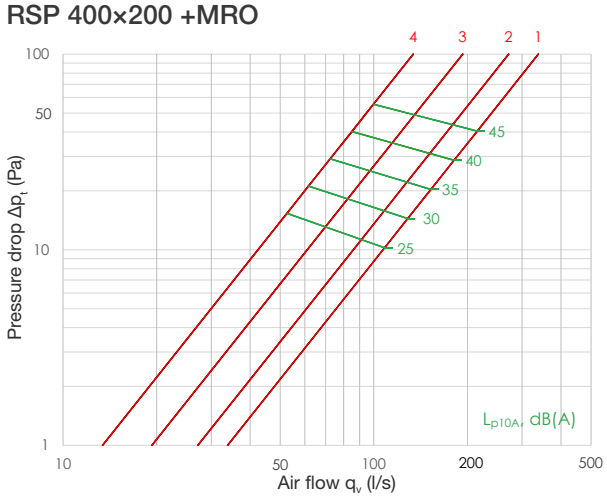
RSP 400×100 +MRO



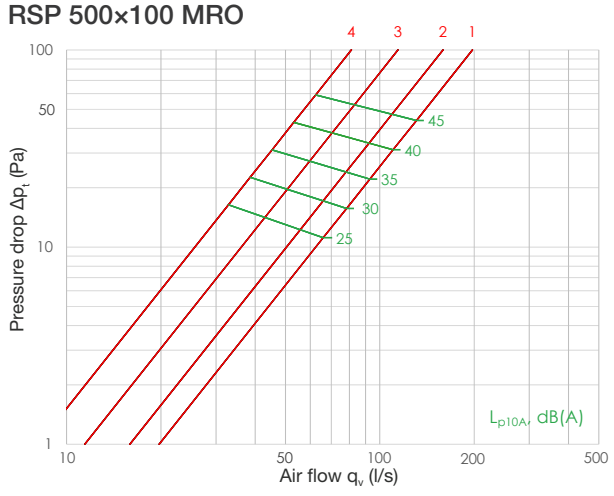
RSP 400×150 +MRO



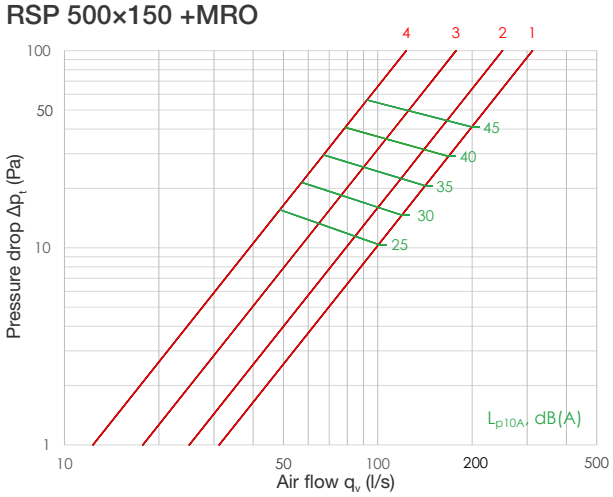
RSP 400×200 +MRO



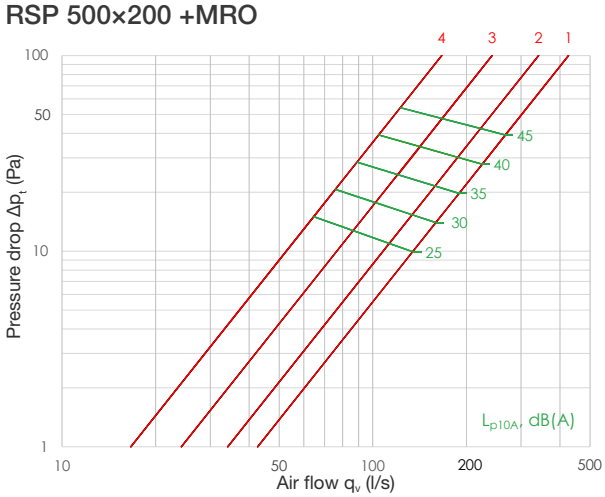
RSP 500×100 MRO



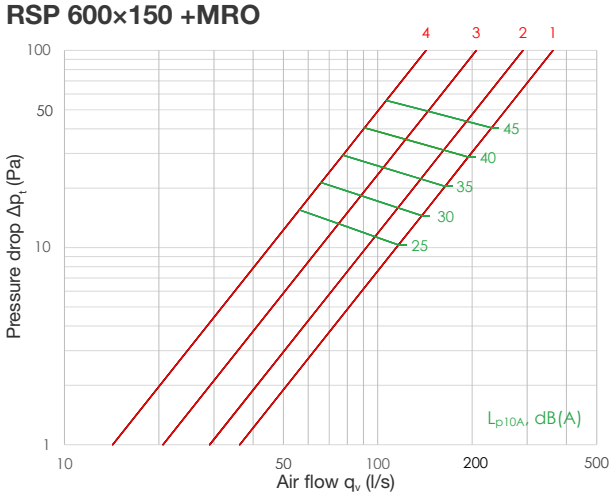
RSP 500×150 +MRO



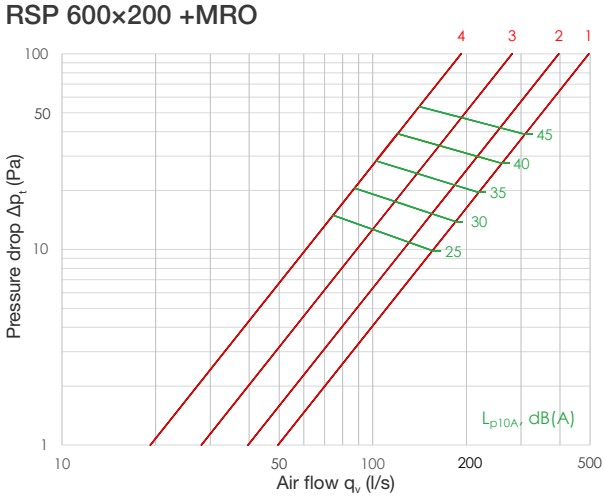
RSP 500×200 +MRO



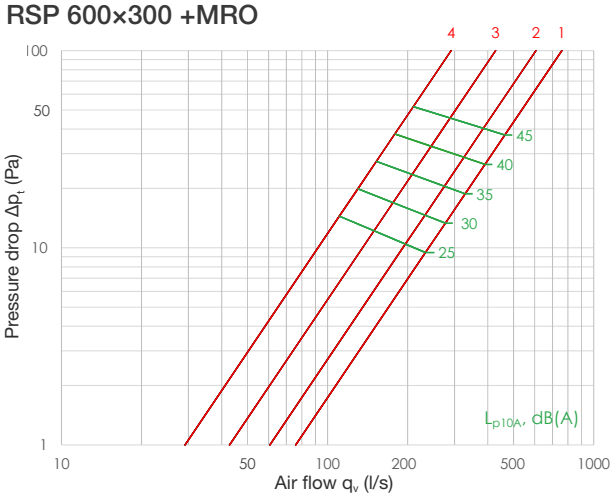
RSP 600×150 +MRO



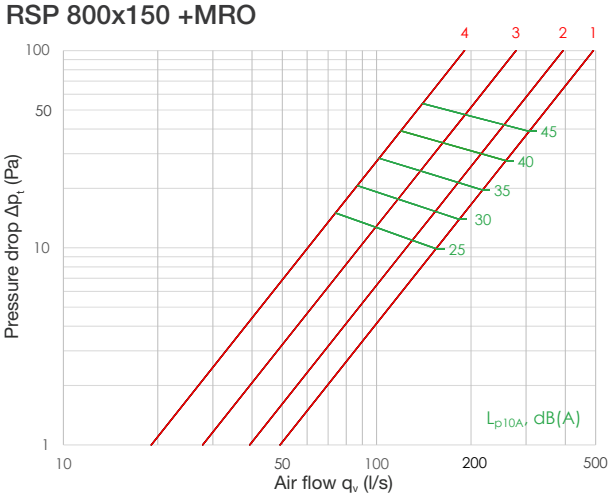
RSP 600×200 +MRO



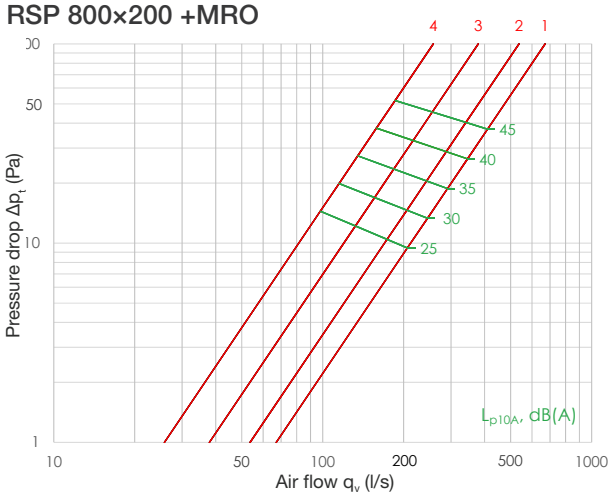
RSP 600×300 +MRO



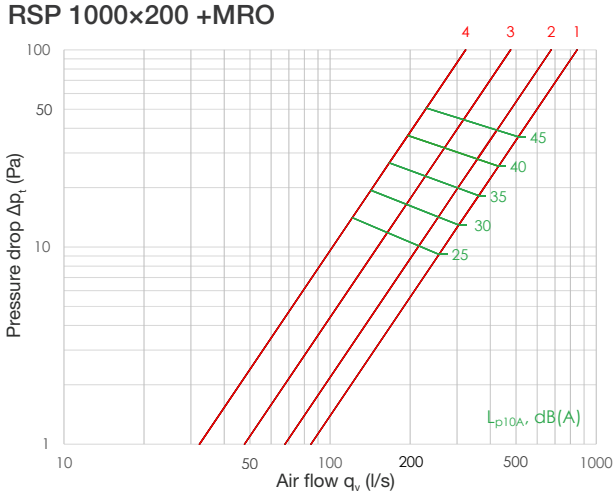
RSP 800x150 +MRO



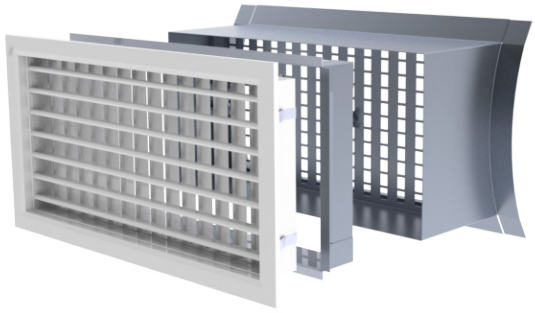
RSP 800×200 +MRO



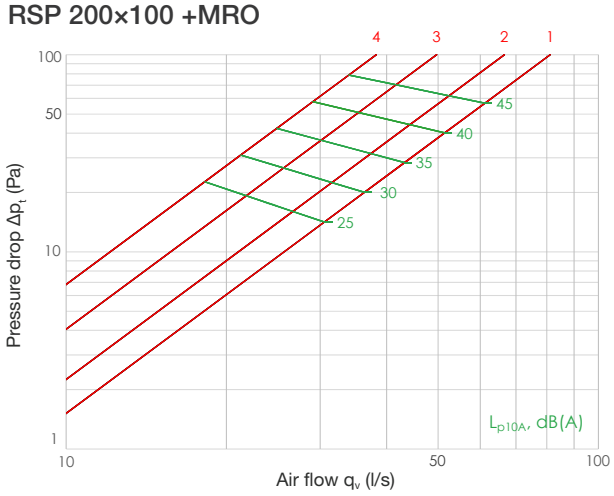
RSP 1000×200 +MRO



RSP+MRO Exhaust Air: Air Flow – Pressure Drop



RSP 200×100 +MRO



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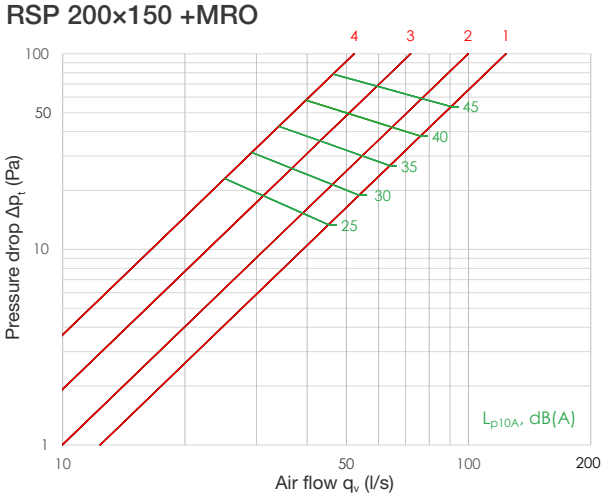

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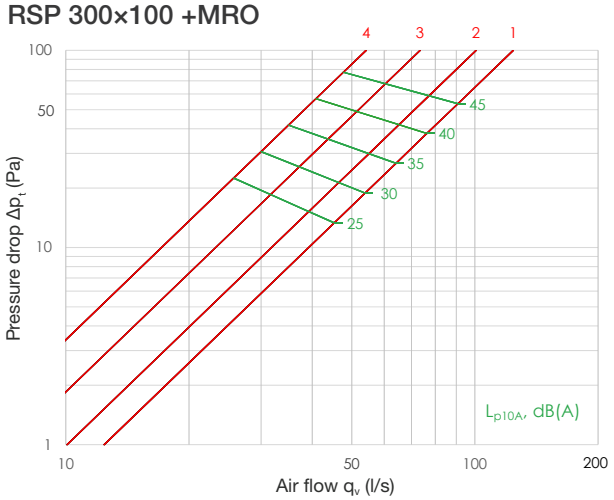

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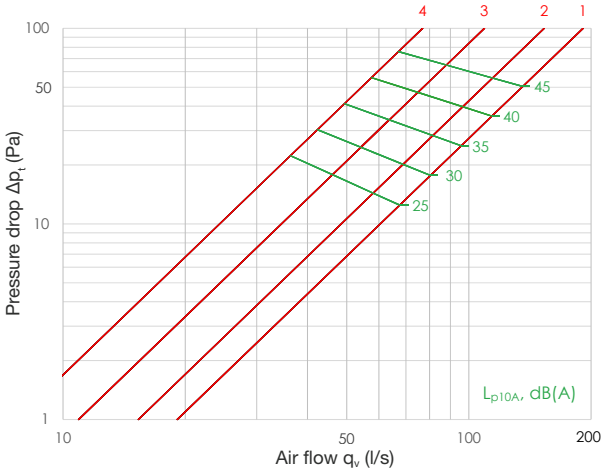

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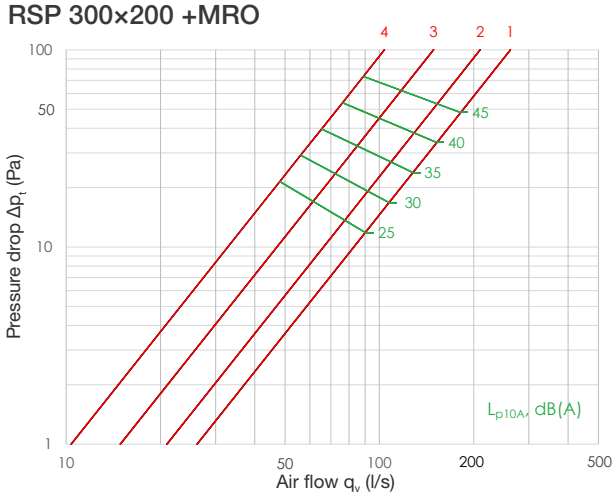
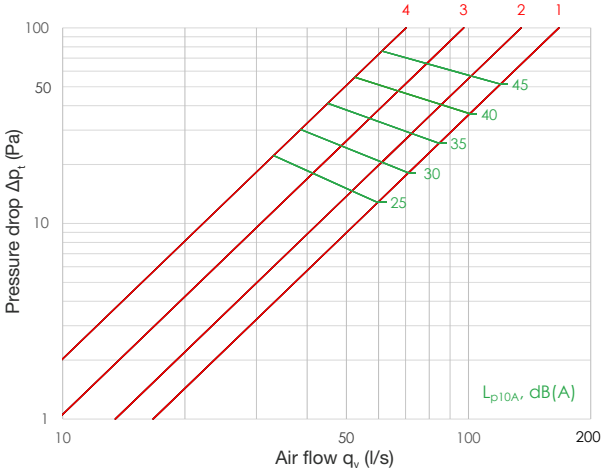
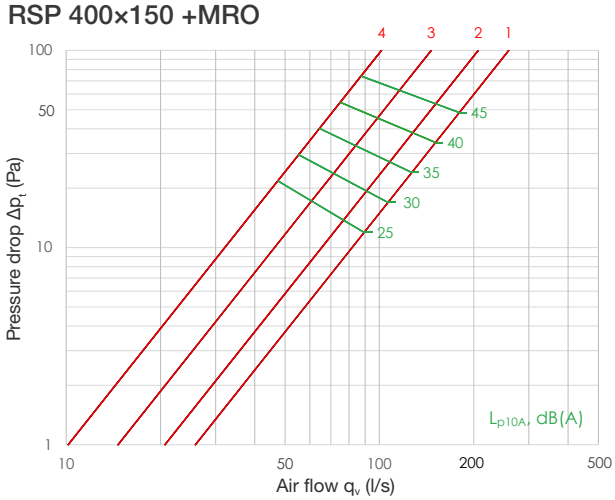


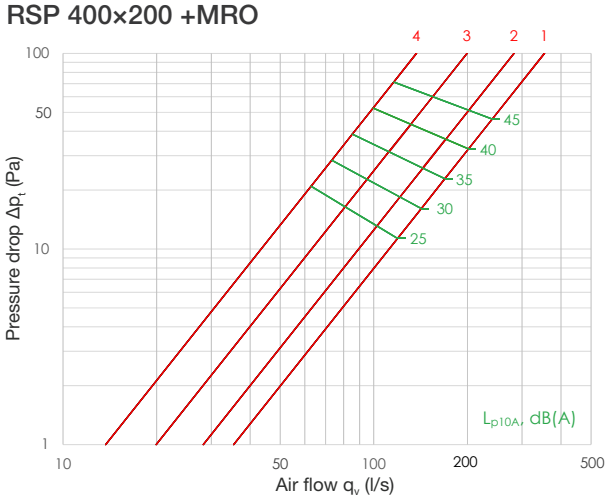
RSP 400×100 +MRO



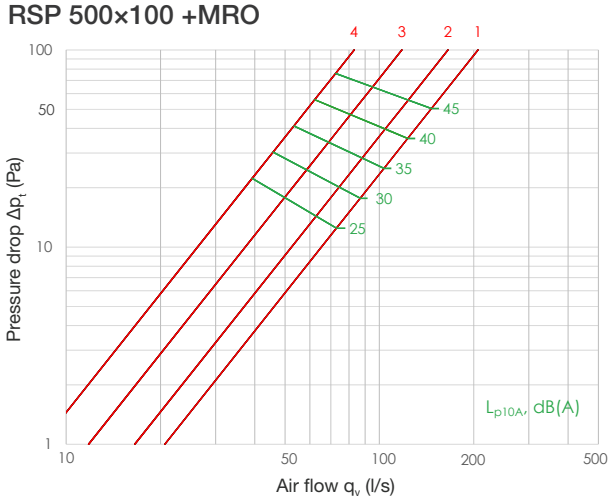
RSP 400×150 +MRO



RSP 400×200 +MRO



RSP 500×100 +MRO



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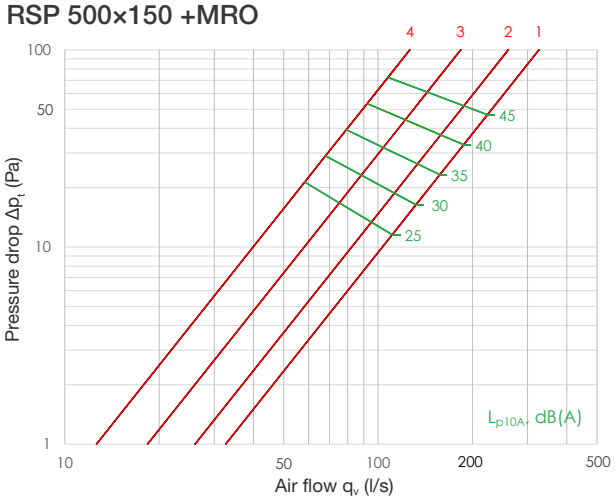
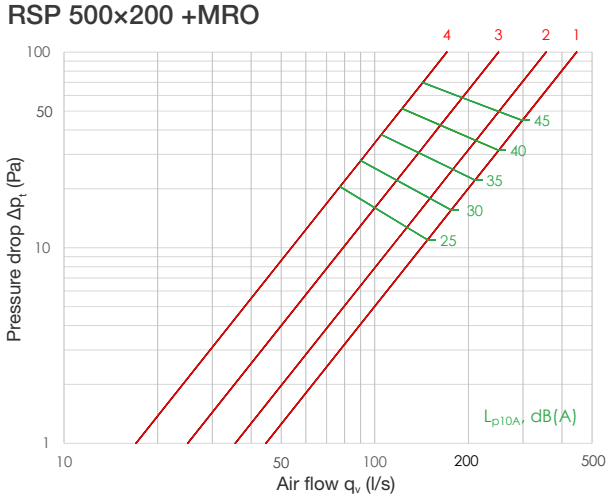


RSP 500×200 +MRO



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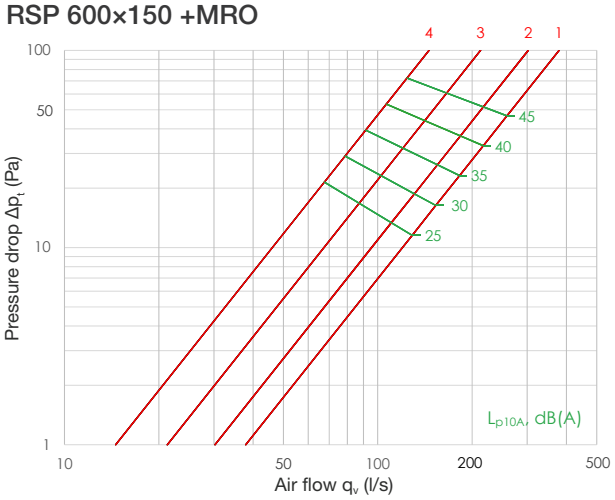

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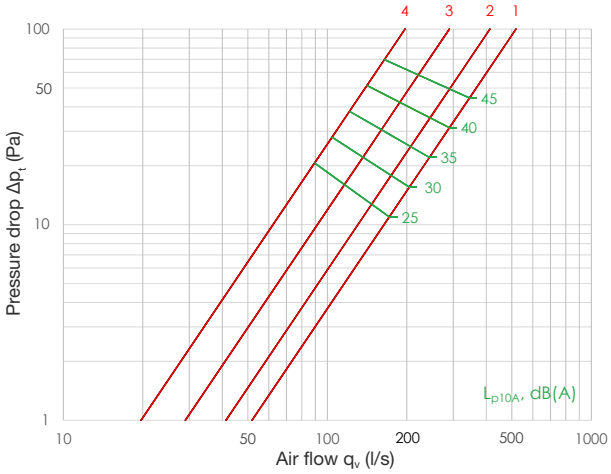

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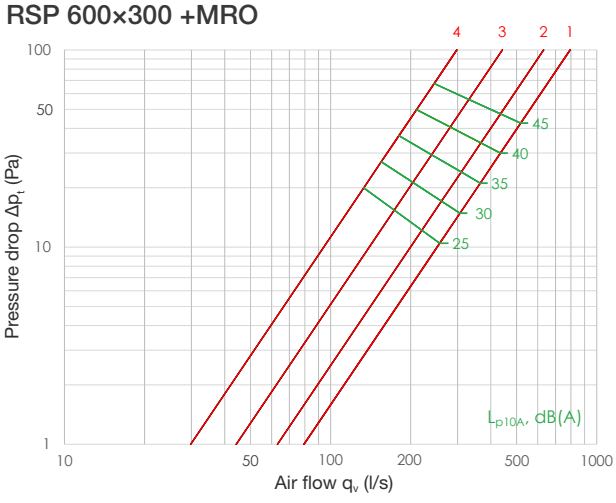
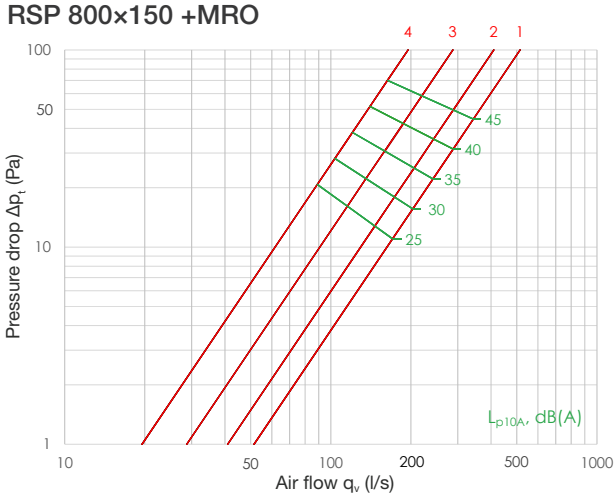


RSP 800×150 +MRO



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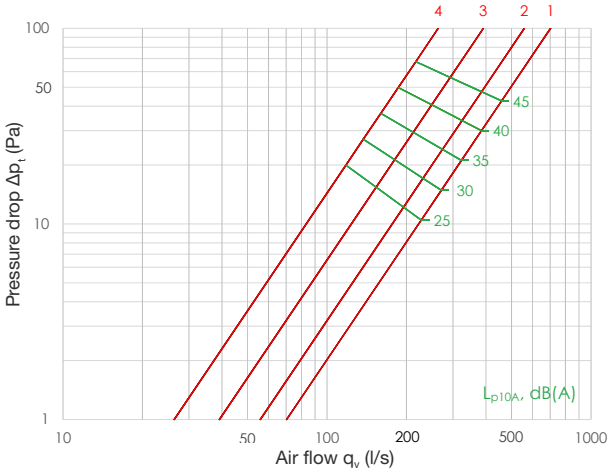
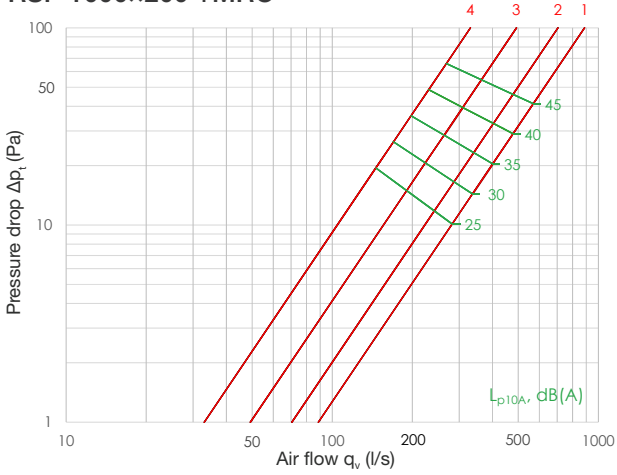
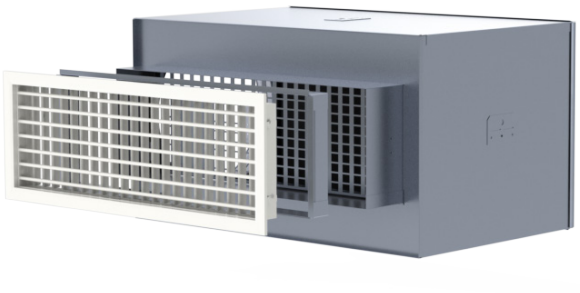


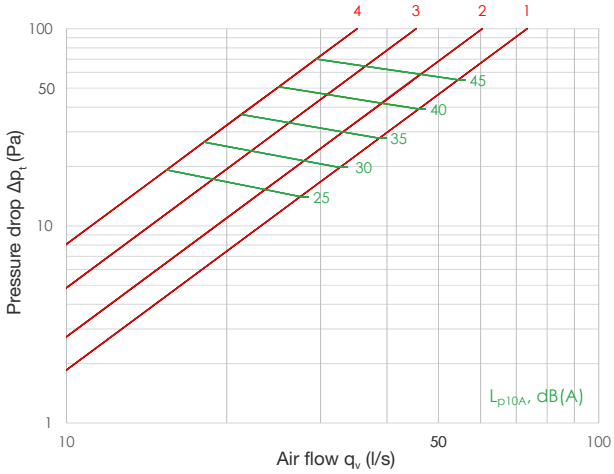
RSP 1000×200 +MRO



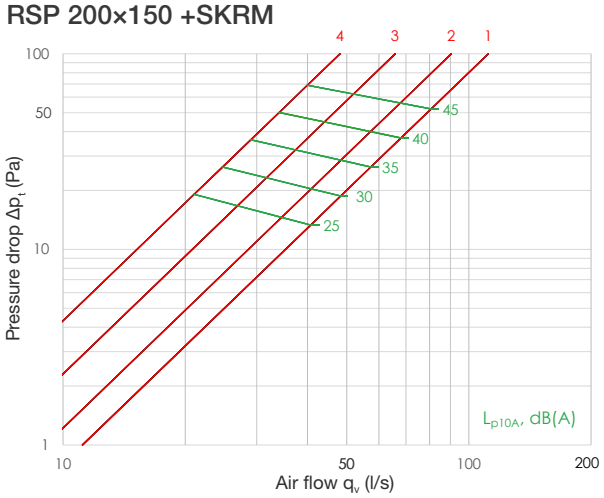
RSP+SKRM Supply Air: Air Flow – Pressure Drop



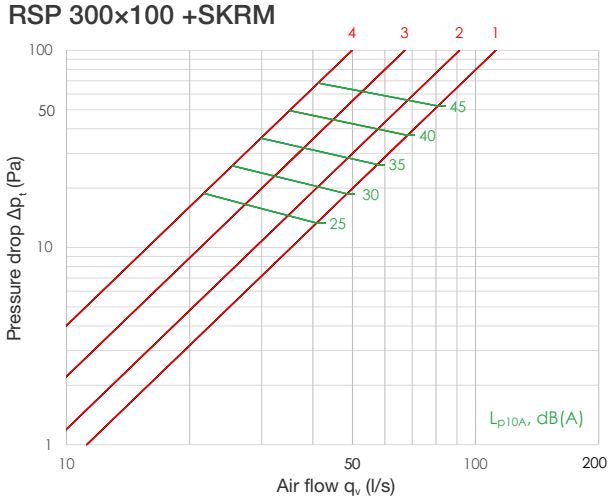
RSP 200×100 +SKRM



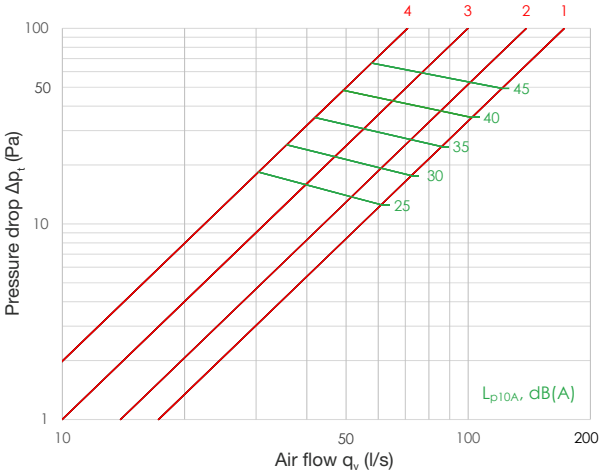
RSP 200×150 +SKRM



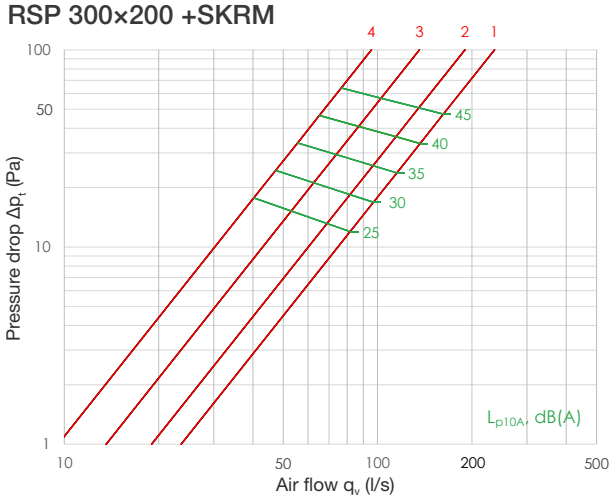
RSP 300×100 +SKRM



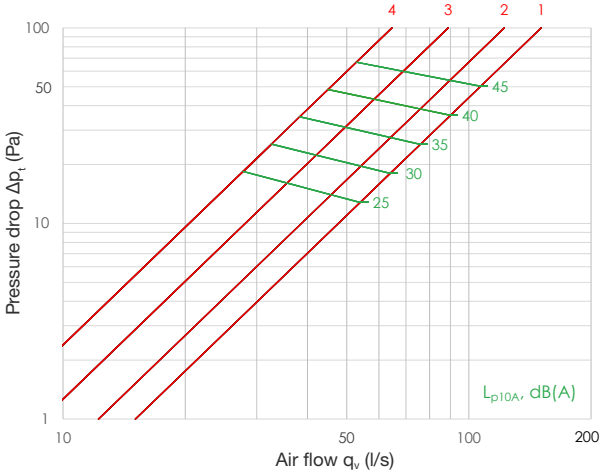
RSP 300×150 +SKRM



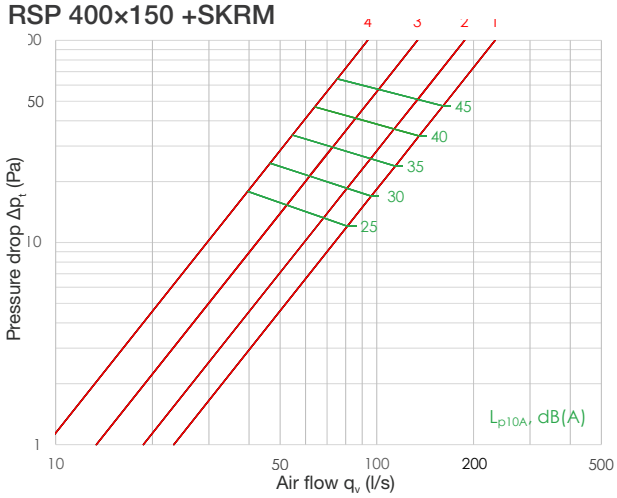
RSP 300×200 +SKRM



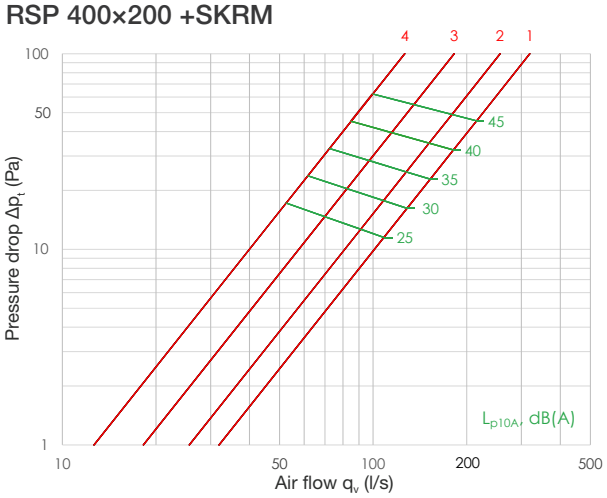
RSP 400×100 +SKRM



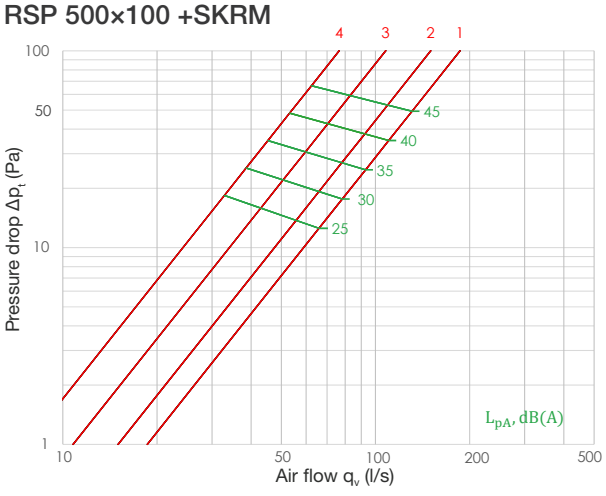
RSP 400×150 +SKRM



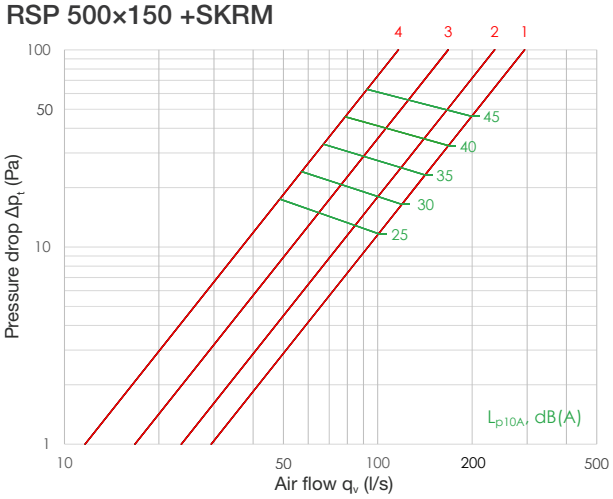
RSP 400×200 +SKRM



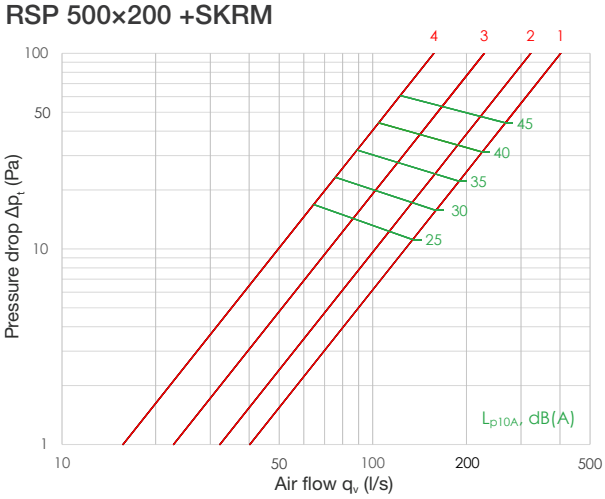
RSP 500×100 +SKRM



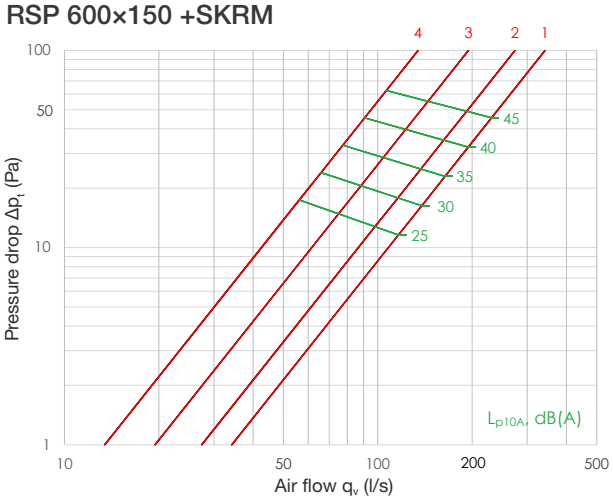
RSP 500×150 +SKRM



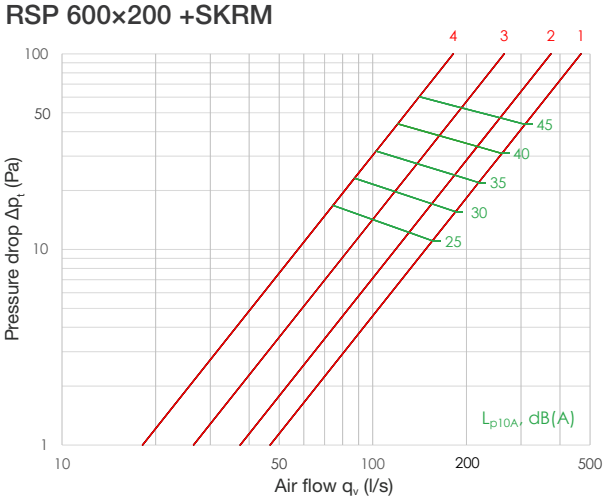
RSP 500×200 +SKRM



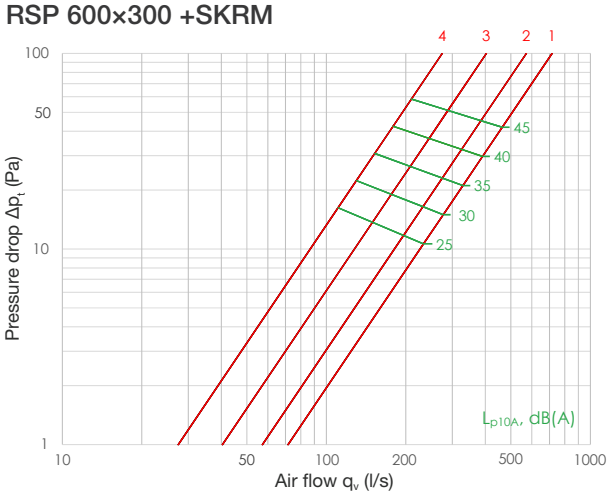
RSP 600×150 +SKRM



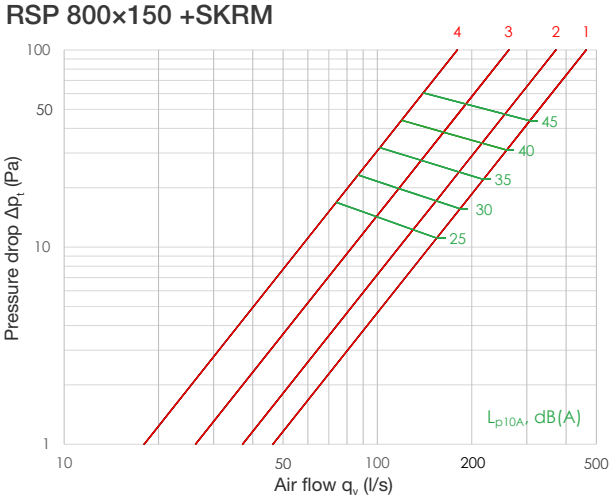
RSP 600×200 +SKRM



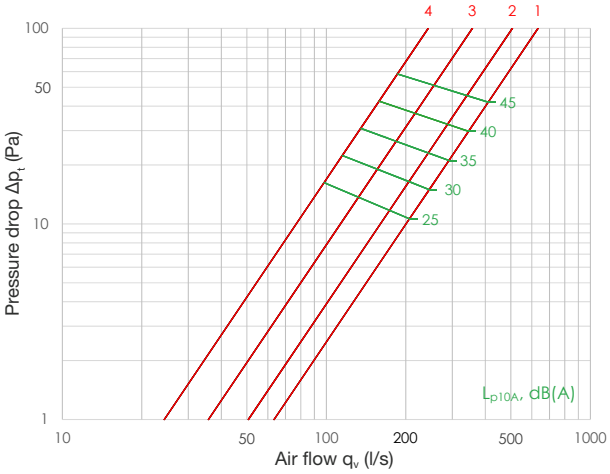
RSP 600×300 +SKRM



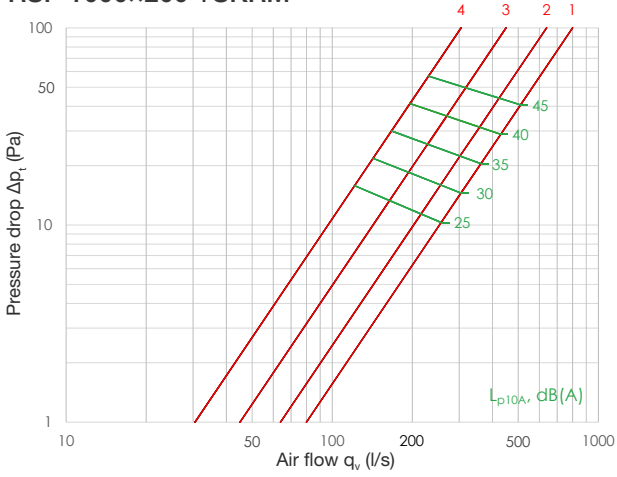
RSP 800×150 +SKRM



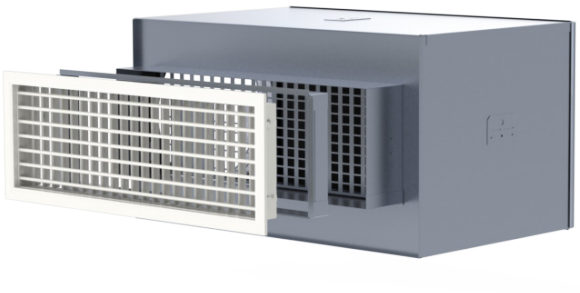
RSP 800×200 +SKRM



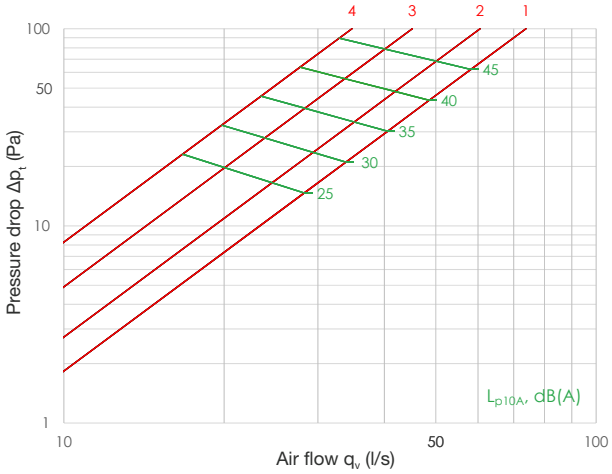
RSP 1000×200 +SKRM



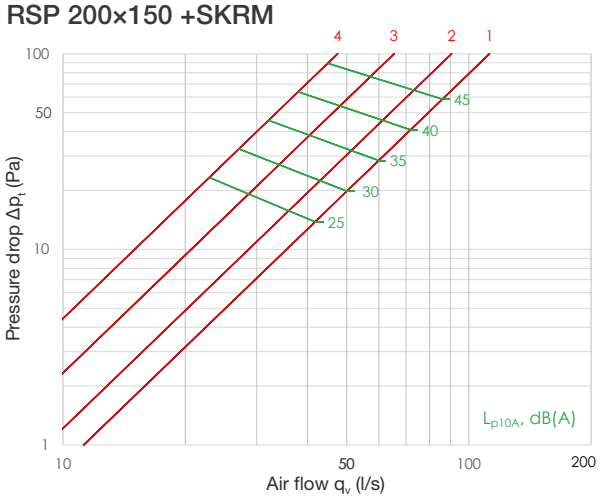
RSP+SKRM Exhaust Air: Air Flow – Pressure Drop



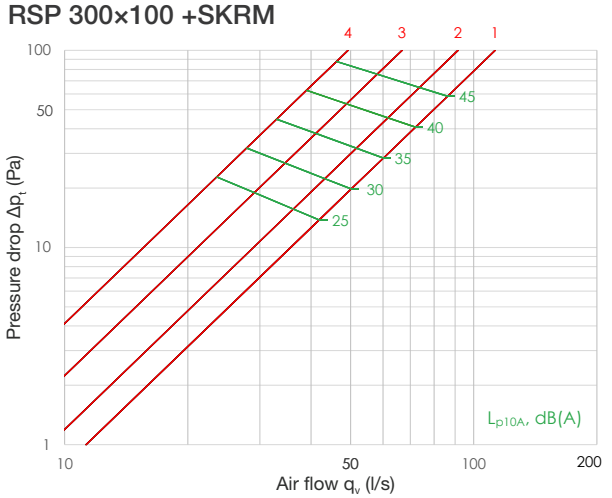
RSP 200×100 +SKRM



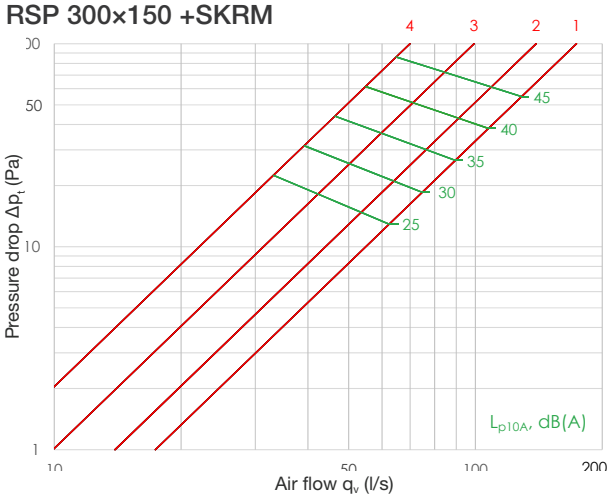
RSP 200×150 +SKRM



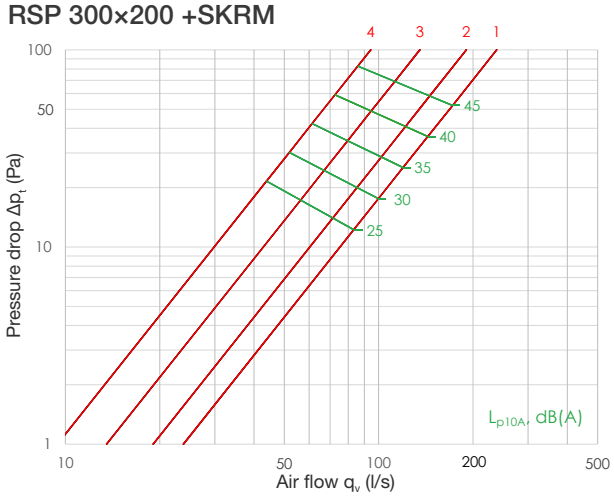
RSP 300×100 +SKRM



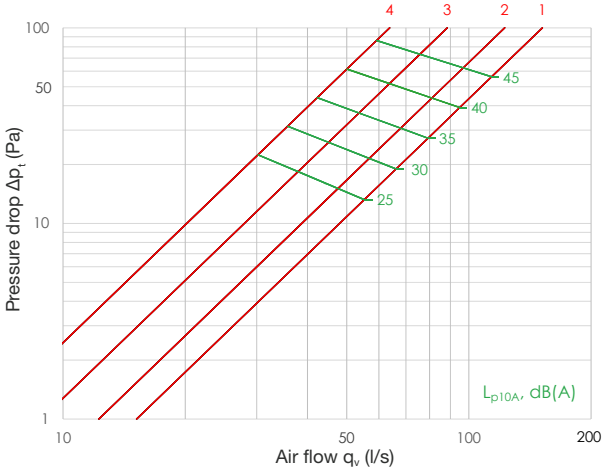
RSP 300×150 +SKRM



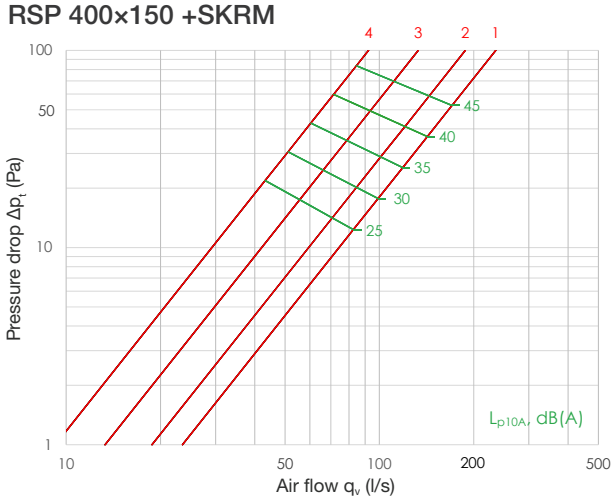
RSP 300×200 +SKRM



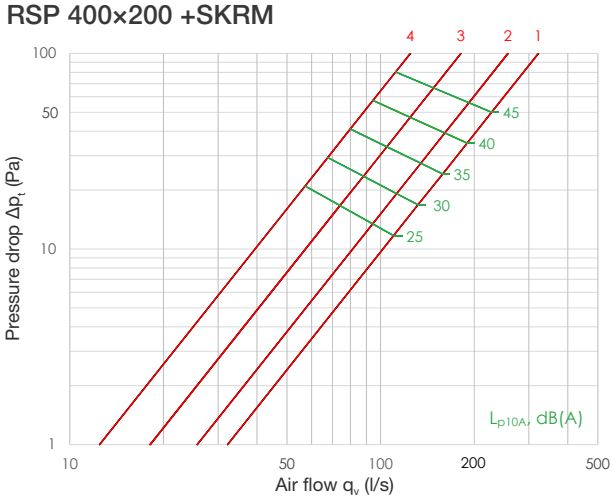
RSP 400×100 +SKRM



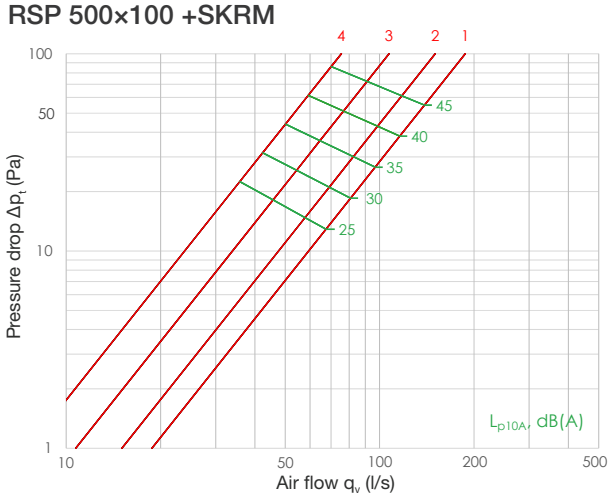
RSP 400×150 +SKRM



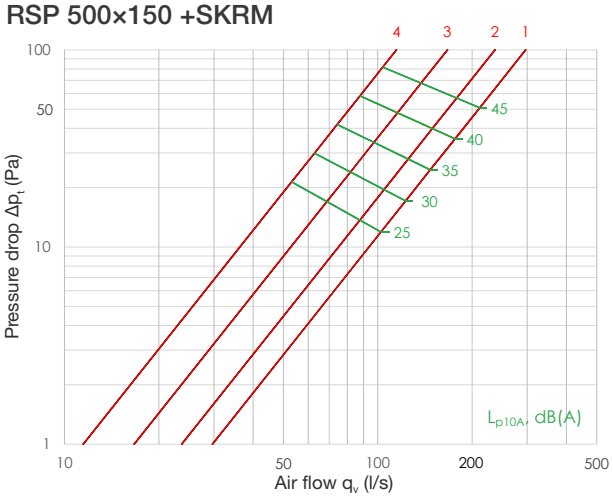
RSP 400×200 +SKRM



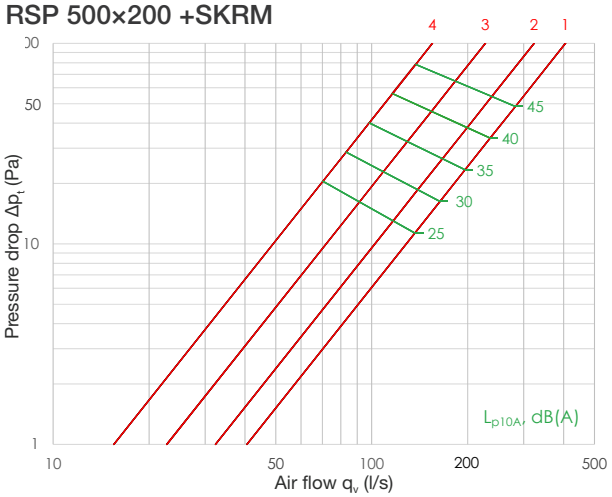
RSP 500×100 +SKRM



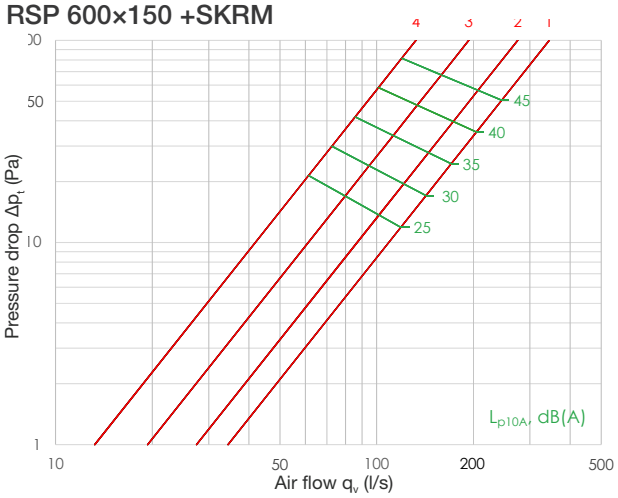
RSP 500×150 +SKRM



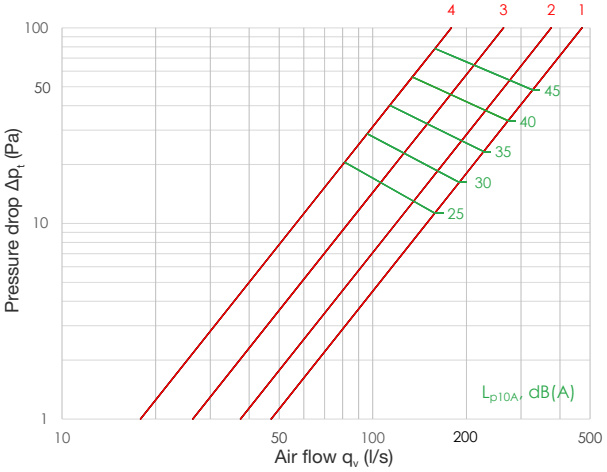
RSP 500×200 +SKRM



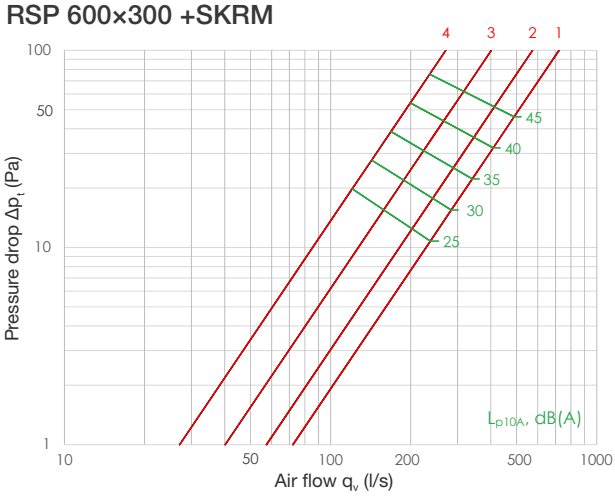
RSP 600×150 +SKRM



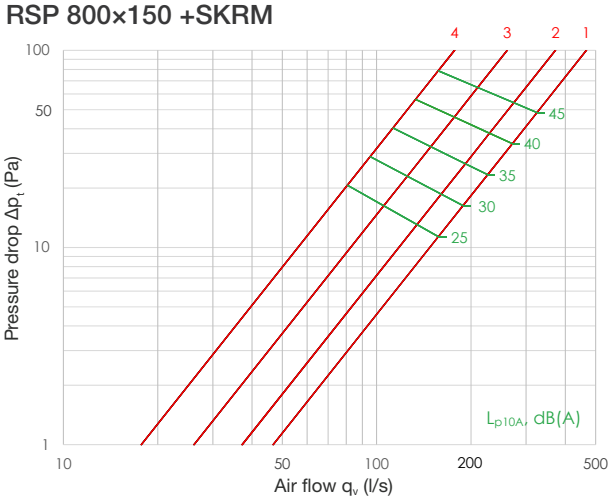
RSP 600×200 +SKRM



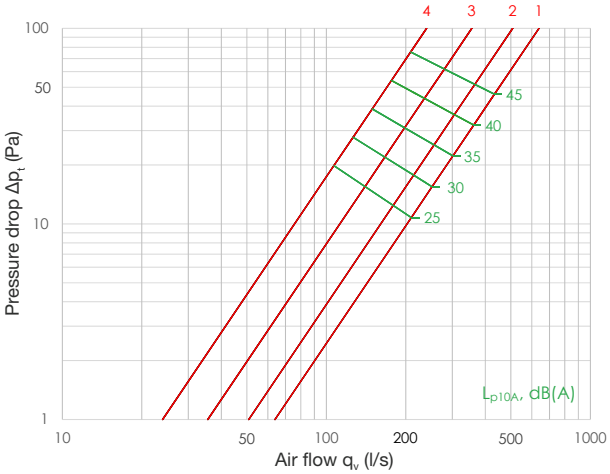
RSP 600×300 +SKRM



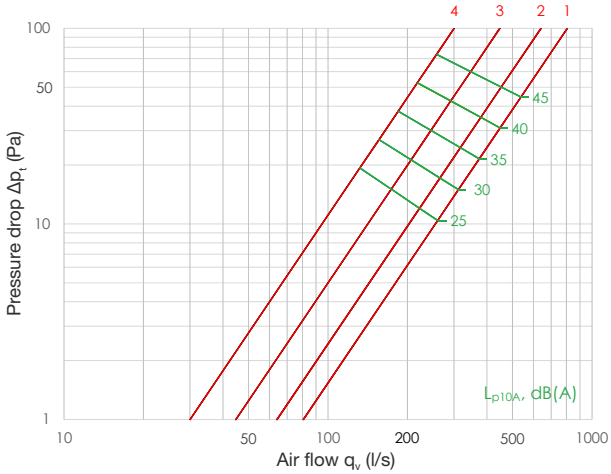
RSP 800×150 +SKRM



RSP 800×200 +SKRM



RSP 1000×200 +SKRM



Sound power correction factors

Acoustic data, $L_w = L_{p10A} + K_{okt}$

RSP+SKRM supply air									
Dimensions	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)						
			63	125	250	500	1000	2000	4000	8000
200×100	s = 1	10,5	2	3	1	-2	-8	-12	-19	-23
	s = 2	7,7	2	4	2	-2	-6	-12	-19	-24
	s = 3	5,1	1	3	2	-3	-4	-10	-18	-24
	s = 4	3,7	-1	0	0	-4	-4	-9	-16	-22
200×150	s = 1	16,1	2	3	0	-2	-8	-12	-19	-23
	s = 2	11,5	2	4	2	-2	-6	-12	-19	-24
	s = 3	7,3	0	2	1	-3	-4	-10	-17	-23
	s = 4	5,0	-2	-1	-1	-4	-4	-9	-15	-21
300×100	s = 1	16,2	2	3	0	-2	-8	-12	-19	-23
	s = 2	11,6	2	4	2	-2	-6	-12	-19	-24
	s = 3	7,5	0	2	2	-3	-4	-10	-17	-23
	s = 4	5,2	-2	-1	-1	-4	-4	-9	-15	-22
300×150	s = 1	25,3	1	2	0	-2	-8	-12	-18	-22
	s = 2	17,9	2	4	2	-2	-6	-12	-19	-24
	s = 3	11,1	0	2	1	-3	-4	-10	-17	-23
	s = 4	7,3	-2	-1	-1	-4	-4	-9	-15	-21
300×200	s = 1	35,3	1	1	-1	-2	-9	-12	-18	-22
	s = 2	24,8	2	4	2	-2	-6	-12	-19	-24
	s = 3	15,2	1	3	2	-3	-4	-10	-18	-24
	s = 4	9,9	-2	-1	-1	-4	-4	-9	-15	-21
400×100	s = 1	21,9	2	2	0	-2	-8	-12	-19	-23
	s = 2	15,6	2	4	2	-2	-6	-12	-19	-24
	s = 3	9,9	0	2	1	-3	-4	-10	-17	-23
	s = 4	6,7	-2	-1	-1	-4	-4	-9	-15	-21
400×150	s = 1	34,6	1	2	0	-2	-9	-12	-18	-22
	s = 2	24,3	2	4	2	-2	-6	-12	-19	-24
	s = 3	14,9	0	2	1	-3	-4	-10	-17	-23
	s = 4	9,7	-2	-1	-1	-4	-3	-8	-15	-21
400×200	s = 1	48,2	1	1	-1	-2	-9	-12	-18	-22
	s = 2	33,6	2	4	2	-2	-7	-12	-19	-24
	s = 3	20,4	1	3	2	-3	-4	-11	-18	-24
	s = 4	13,1	-2	-1	-1	-4	-4	-9	-15	-21
500×100	s = 1	27,9	1	2	0	-2	-8	-12	-18	-22
	s = 2	19,8	2	4	2	-2	-6	-12	-19	-24
	s = 3	12,3	0	2	1	-3	-4	-10	-17	-23
	s = 4	8,1	-2	-1	-1	-4	-4	-9	-15	-21

RSP+SKRM supply air										
Dimensions	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
500×150	s = 1	43,9	1	2	-1	-2	-9	-12	-18	-22
	s = 2	30,7	2	4	2	-2	-6	-12	-19	-24
	s = 3	18,7	0	2	2	-3	-4	-10	-17	-23
	s = 4	12,0	-2	-2	-1	-4	-3	-8	-15	-21
500×200	s = 1	61,0	1	1	-1	-2	-9	-12	-18	-22
	s = 2	42,4	2	4	2	-2	-7	-12	-19	-24
	s = 3	25,6	1	3	2	-3	-4	-11	-18	-24
	s = 4	16,2	-2	-1	-1	-4	-4	-8	-15	-21
600×150	s = 1	49,9	2	2	0	-2	-8	-12	-19	-23
	s = 2	35,0	2	4	2	-2	-6	-12	-19	-24
	s = 3	21,4	0	2	1	-3	-4	-10	-17	-23
	s = 4	13,8	-2	-2	-2	-4	-3	-8	-15	-21
600×200	s = 1	69,4	1	2	0	-2	-9	-12	-18	-22
	s = 2	48,4	2	4	2	-2	-6	-12	-19	-24
	s = 3	29,4	0	2	1	-3	-4	-10	-17	-23
	s = 4	18,7	-2	-2	-2	-4	-3	-8	-15	-21
600×300	s = 1	107,5	1	1	-1	-2	-9	-12	-18	-22
	s = 2	74,6	2	4	2	-2	-6	-12	-19	-24
	s = 3	45,0	0	2	1	-3	-4	-10	-17	-23
	s = 4	28,3	-2	-2	-2	-4	-3	-8	-15	-21
800×150	s = 1	68,5	1	2	0	-2	-9	-12	-18	-22
	s = 2	47,8	2	4	2	-2	-6	-12	-19	-24
	s = 3	29,0	0	2	1	-3	-4	-10	-17	-23
	s = 4	18,5	-2	-2	-2	-4	-3	-8	-15	-21
800×200	s = 1	95,1	1	1	-1	-2	-9	-12	-18	-22
	s = 2	66,0	2	4	2	-2	-6	-12	-19	-24
	s = 3	39,8	0	2	1	-3	-4	-10	-17	-23
	s = 4	25,0	-2	-2	-2	-4	-3	-8	-15	-21
1000×200	s = 1	120,8	1	1	-1	-2	-9	-12	-18	-22
	s = 2	83,6	2	4	2	-2	-7	-12	-19	-24
	s = 3	50,2	1	2	2	-3	-4	-10	-18	-23
	s = 4	31,4	-2	-2	-1	-4	-3	-8	-15	-21
			± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB

RSP+MRO supply air										
Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
200×100	s = 1	8,1	3	5	0	-1	-5	-11	-22	-26
	s = 2	6,5	-5	0	-1	-1	-5	-11	-18	-24
	s = 3	4,8	-12	-5	-3	-2	-5	-10	-16	-23
	s = 4	3,7	-14	-9	-5	-3	-4	-9	-16	-23
200×150	s = 1	12,3	4	5	0	-1	-5	-11	-22	-26
	s = 2	9,8	-6	0	-1	-1	-5	-11	-18	-24
	s = 3	7,0	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	5,0	-14	-9	-6	-3	-4	-8	-16	-23
300×100	s = 1	12,4	4	6	0	-1	-5	-11	-23	-26
	s = 2	9,9	-5	0	-1	-1	-5	-11	-18	-24
	s = 3	7,1	-12	-5	-3	-2	-4	-10	-16	-23
	s = 4	5,2	-14	-9	-5	-3	-4	-8	-16	-23
300×150	s = 1	19,1	6	6	0	-1	-5	-11	-23	-26
	s = 2	15,1	-5	1	-1	-1	-5	-11	-19	-24
	s = 3	10,6	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	7,4	-14	-10	-6	-4	-4	-8	-16	-23
300×200	s = 1	26,2	7	7	0	-2	-5	-11	-24	-26
	s = 2	20,7	-4	1	0	-1	-5	-11	-19	-25
	s = 3	14,4	-12	-5	-3	-2	-5	-10	-16	-23
	s = 4	10,0	-14	-9	-6	-4	-4	-8	-16	-23

RSP+MRO supply air

Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
400×100	s = 1	16,7	4	6	0	-1	-5	-11	-23	-26
	s = 2	13,2	-5	0	-1	-1	-5	-11	-18	-24
	s = 3	9,4	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	6,7	-14	-9	-5	-3	-4	-8	-16	-23
400×150	s = 1	25,9	6	7	0	-2	-5	-11	-24	-26
	s = 2	20,4	-4	1	-1	-1	-5	-11	-19	-24
	s = 3	14,2	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	9,8	-14	-10	-6	-4	-4	-8	-16	-23
400×200	s = 1	35,5	8	8	0	-2	-5	-11	-25	-27
	s = 2	27,9	-3	1	0	-1	-5	-11	-19	-25
	s = 3	19,3	-11	-5	-3	-2	-5	-10	-16	-23
	s = 4	13,2	-14	-10	-6	-4	-4	-8	-16	-23
500×100	s = 1	21,1	6	6	0	-1	-5	-11	-23	-26
	s = 2	16,7	-5	1	-1	-1	-5	-11	-19	-24
	s = 3	11,7	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	8,2	-14	-10	-6	-4	-4	-8	-16	-23
500×150	s = 1	32,7	7	7	0	-2	-5	-11	-24	-26
	s = 2	25,6	-4	1	0	-1	-5	-11	-19	-25
	s = 3	17,8	-12	-5	-3	-2	-4	-10	-16	-23
	s = 4	12,1	-14	-10	-6	-4	-4	-8	-16	-23
500×200	s = 1	44,8	9	8	0	-2	-5	-11	-25	-27
	s = 2	35,1	-3	2	0	-1	-5	-11	-19	-25
	s = 3	24,2	-11	-5	-3	-2	-5	-10	-16	-23
	s = 4	16,4	-14	-10	-6	-4	-4	-8	-16	-23
600×150	s = 1	37,9	5	6	0	-1	-5	-11	-23	-26
	s = 2	29,7	-5	0	-1	-1	-5	-11	-18	-24
	s = 3	20,6	-12	-6	-3	-2	-4	-9	-16	-23
	s = 4	14,0	-14	-10	-6	-4	-4	-8	-16	-23
600×200	s = 1	51,9	7	7	0	-2	-5	-11	-24	-26
	s = 2	40,6	-4	1	-1	-1	-5	-11	-19	-24
	s = 3	28,0	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	18,9	-14	-10	-6	-4	-4	-8	-16	-23
600×300	s = 1	79,6	8	7	0	-2	-5	-11	-24	-26
	s = 2	62,3	-4	1	0	-1	-5	-11	-19	-25
	s = 3	42,8	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	28,8	-14	-10	-6	-4	-4	-8	-16	-23
800×150	s = 1	51,4	6	7	0	-1	-5	-11	-24	-26
	s = 2	40,3	-5	1	-1	-1	-5	-11	-19	-24
	s = 3	27,8	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	18,8	-14	-10	-6	-4	-4	-8	-16	-23
800×200	s = 1	70,4	8	7	0	-2	-5	-11	-24	-26
	s = 2	55,1	-4	1	0	-1	-5	-11	-19	-25
	s = 3	37,8	-12	-6	-3	-2	-4	-10	-16	-23
	s = 4	25,4	-14	-10	-6	-4	-4	-8	-16	-23
1000×200	s = 1	89,0	8	8	0	-2	-5	-11	-25	-27
	s = 2	69,5	-4	1	0	-1	-5	-11	-19	-25
	s = 3	47,6	-12	-5	-3	-2	-4	-10	-16	-23
	s = 4	31,8	-14	-10	-6	-4	-4	-8	-16	-23
			± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB

RSP+SKRM exhaust air

Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
200×100	s = 1	6,9	5	8	0	-6	-5	-15	-22	-25
	s = 2	5,6	5	8	3	-3	-5	-16	-22	-25
	s = 3	4,2	4	6	3	-2	-5	-15	-20	-24
	s = 4	3,2	2	3	1	-3	-5	-12	-18	-23

RSP+SKRM exhaust air

Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
			63	125	250	500	1000	2000	4000	8000
200×150	s = 1	10,5	5	7	0	-6	-5	-15	-22	-25
	s = 2	8,4	5	8	3	-3	-5	-16	-22	-25
	s = 3	6,1	4	6	3	-2	-5	-14	-20	-24
	s = 4	4,5	2	2	1	-3	-5	-11	-18	-23
300×100	s = 1	10,5	4	7	-1	-6	-5	-15	-21	-25
	s = 2	8,5	5	8	3	-3	-5	-16	-22	-25
	s = 3	6,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	4,6	2	3	1	-3	-5	-11	-18	-23
300×150	s = 1	16,2	4	7	-1	-7	-5	-15	-21	-25
	s = 2	12,9	5	8	2	-3	-5	-16	-22	-25
	s = 3	9,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	6,6	2	2	0	-3	-5	-11	-17	-23
300×200	s = 1	22,3	4	7	-2	-7	-5	-14	-21	-25
	s = 2	17,7	5	8	2	-3	-5	-16	-22	-25
	s = 3	12,5	4	6	3	-2	-5	-15	-20	-24
	s = 4	8,9	2	2	1	-3	-5	-11	-18	-23
400×100	s = 1	14,2	4	7	-1	-6	-5	-15	-21	-25
	s = 2	11,3	5	8	3	-3	-5	-16	-22	-25
	s = 3	8,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	6,0	2	2	1	-3	-5	-11	-18	-23
400×150	s = 1	22,0	4	7	-2	-7	-5	-14	-21	-25
	s = 2	17,4	5	8	2	-3	-5	-16	-22	-25
	s = 3	12,3	4	6	3	-2	-5	-14	-20	-24
	s = 4	8,7	1	2	0	-3	-5	-11	-17	-23
400×200	s = 1	30,1	4	7	-2	-8	-5	-14	-21	-24
	s = 2	23,8	5	8	2	-4	-5	-16	-22	-25
	s = 3	16,8	4	6	3	-2	-5	-15	-20	-24
	s = 4	11,7	2	2	1	-3	-5	-11	-17	-23
500×100	s = 1	17,9	4	7	-1	-7	-5	-15	-21	-25
	s = 2	14,2	5	8	2	-3	-5	-16	-22	-25
	s = 3	10,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	7,3	2	2	0	-3	-5	-11	-17	-23
500×150	s = 1	27,7	4	7	-2	-7	-5	-14	-21	-25
	s = 2	21,9	5	8	2	-3	-5	-16	-22	-25
	s = 3	15,4	4	6	3	-2	-5	-14	-20	-24
	s = 4	10,8	1	2	0	-4	-5	-11	-17	-23
500×200	s = 1	38,0	4	7	-3	-8	-5	-14	-21	-24
	s = 2	30,0	5	8	2	-4	-5	-16	-22	-25
	s = 3	21,0	4	6	3	-2	-5	-15	-20	-24
	s = 4	14,6	2	2	0	-3	-5	-11	-17	-23
600×150	s = 1	32,2	4	7	-1	-6	-5	-15	-21	-25
	s = 2	25,5	5	8	3	-3	-5	-16	-22	-25
	s = 3	17,9	4	5	3	-2	-5	-14	-20	-24
	s = 4	12,5	1	2	0	-4	-5	-10	-17	-23
600×200	s = 1	44,0	4	7	-2	-7	-5	-14	-21	-25
	s = 2	34,8	5	8	2	-3	-5	-16	-22	-25
	s = 3	24,4	4	6	3	-2	-5	-14	-20	-24
	s = 4	16,9	1	2	0	-4	-5	-10	-17	-23
600×300	s = 1	67,6	4	7	-2	-7	-5	-14	-21	-25
	s = 2	53,3	5	8	2	-3	-5	-16	-22	-25
	s = 3	37,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	25,6	1	2	0	-4	-5	-10	-17	-23
800×150	s = 1	43,7	4	7	-2	-7	-5	-14	-21	-25
	s = 2	34,5	5	8	2	-3	-5	-16	-22	-25
	s = 3	24,2	4	6	3	-2	-5	-14	-20	-24
	s = 4	16,8	1	2	0	-4	-5	-10	-17	-23
800×200	s = 1	59,8	4	7	-2	-7	-5	-14	-21	-25
	s = 2	47,1	5	8	2	-3	-5	-16	-22	-25
	s = 3	32,9	4	6	3	-2	-5	-14	-20	-24
	s = 4	22,6	1	2	0	-4	-5	-10	-17	-23

RSP+SKRM exhaust air									
Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)						
			63	125	250	500	1000	2000	4000	8000
1000×200	s = 1	75,5	4	7	-3	-8	-5	-14	-21	-24
	s = 2	59,4	5	8	2	-4	-5	-16	-22	-25
	s = 3	41,4	4	6	3	-2	-5	-15	-20	-24
	s = 4	28,4	1	2	0	-4	-5	-10	-17	-23
			± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB

RSP+MRO exhaust air									
Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)						
			63	125	250	500	1000	2000	4000	8000
200×100	s = 1	7,2	-6	1	1	-2	-6	-14	-23	-31
	s = 2	5,9	-5	2	2	-1	-5	-14	-21	-26
	s = 3	4,4	-5	1	1	-1	-5	-12	-18	-23
	s = 4	3,4	-6	-2	-1	-3	-6	-8	-16	-22
200×150	s = 1	11,0	-6	1	0	-3	-6	-14	-24	-31
	s = 2	8,8	-5	2	2	-1	-5	-14	-21	-26
	s = 3	6,4	-5	1	1	-1	-5	-11	-18	-23
	s = 4	4,7	-6	-3	-2	-3	-6	-7	-15	-22
300×100	s = 1	11,1	-6	1	0	-3	-6	-14	-24	-31
	s = 2	8,9	-5	2	2	-1	-5	-14	-21	-26
	s = 3	6,5	-5	1	1	-1	-5	-11	-18	-23
	s = 4	4,9	-6	-2	-1	-3	-6	-8	-16	-22
300×150	s = 1	17,1	-6	0	0	-3	-6	-13	-24	-32
	s = 2	13,6	-5	2	2	-1	-5	-14	-21	-26
	s = 3	9,7	-5	1	1	-1	-5	-11	-18	-23
	s = 4	7,0	-6	-3	-2	-4	-6	-7	-15	-22
300×200	s = 1	23,4	-6	0	-1	-4	-7	-13	-24	-33
	s = 2	18,6	-5	2	2	-1	-5	-14	-22	-27
	s = 3	13,2	-5	1	1	-1	-5	-12	-18	-23
	s = 4	9,4	-6	-3	-2	-3	-6	-7	-15	-22
400×100	s = 1	14,9	-6	0	0	-3	-6	-14	-24	-32
	s = 2	11,9	-5	2	2	-1	-5	-14	-21	-26
	s = 3	8,6	-5	1	1	-1	-5	-11	-18	-23
	s = 4	6,3	-6	-3	-2	-3	-6	-7	-15	-22
400×150	s = 1	23,1	-6	0	-1	-4	-7	-13	-24	-33
	s = 2	18,3	-5	2	2	-1	-5	-14	-21	-27
	s = 3	13,0	-5	1	1	-1	-5	-11	-18	-23
	s = 4	9,2	-6	-3	-2	-4	-7	-7	-15	-22
400×200	s = 1	31,7	-6	-1	-1	-4	-7	-13	-25	-34
	s = 2	25,1	-5	2	2	-1	-5	-14	-22	-27
	s = 3	17,7	-5	1	1	-1	-5	-12	-18	-23
	s = 4	12,4	-6	-3	-2	-4	-6	-7	-15	-22
500×100	s = 1	18,9	-6	0	0	-3	-6	-13	-24	-32
	s = 2	15,0	-5	2	2	-1	-5	-14	-21	-26
	s = 3	10,7	-5	1	1	-1	-5	-11	-18	-23
	s = 4	7,7	-6	-3	-2	-4	-6	-7	-15	-22
500×150	s = 1	29,2	-6	0	-1	-4	-7	-13	-24	-33
	s = 2	23,1	-5	2	2	-1	-5	-14	-21	-27
	s = 3	16,3	-5	1	1	-1	-5	-11	-18	-23
	s = 4	11,4	-6	-3	-2	-4	-7	-7	-15	-22
500×200	s = 1	40,0	-6	-1	-2	-4	-7	-13	-25	-34
	s = 2	31,6	-5	2	2	-1	-5	-14	-22	-27
	s = 3	22,2	-5	1	1	-1	-5	-12	-18	-23
	s = 4	15,4	-6	-3	-2	-4	-6	-7	-15	-22
600×150	s = 1	33,9	-6	0	0	-3	-6	-13	-24	-32
	s = 2	26,8	-5	2	2	-1	-5	-14	-21	-26
	s = 3	18,9	-5	0	1	-1	-5	-11	-18	-23
	s = 4	13,2	-6	-3	-2	-4	-7	-6	-15	-22

RSP+MRO exhaust air									
Grille size	Position	K-value	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)						
			63	125	250	500	1000	2000	4000	8000
600×200	s = 1	46,4	-6	0	-1	-4	-7	-13	-24	-33
	s = 2	36,6	-5	2	2	-1	-5	-14	-21	-27
	s = 3	25,7	-5	1	1	-1	-5	-11	-18	-23
	s = 4	17,9	-6	-3	-2	-4	-7	-7	-15	-22
600×300	s = 1	71,1	-6	-1	-1	-4	-7	-13	-24	-33
	s = 2	56,1	-5	2	2	-1	-5	-14	-22	-27
	s = 3	39,3	-5	1	1	-1	-5	-11	-18	-23
	s = 4	27,1	-6	-3	-2	-4	-7	-7	-15	-22
800×150	s = 1	46,0	-6	0	-1	-3	-7	-13	-24	-33
	s = 2	36,3	-5	2	2	-1	-5	-14	-21	-26
	s = 3	25,5	-5	1	1	-1	-5	-11	-18	-23
	s = 4	17,7	-6	-3	-2	-4	-7	-6	-15	-22
800×200	s = 1	62,9	-6	-1	-1	-4	-7	-13	-25	-33
	s = 2	49,6	-5	2	2	-1	-5	-14	-22	-27
	s = 3	34,7	-5	1	1	-1	-5	-11	-18	-23
	s = 4	23,9	-6	-3	-2	-4	-7	-7	-15	-22
1000×200	s = 1	79,4	-6	-1	-1	-4	-7	-13	-25	-34
	s = 2	62,6	-5	2	2	-1	-5	-14	-22	-27
	s = 3	43,6	-5	1	1	-1	-5	-11	-18	-23
	s = 4	29,9	-6	-3	-2	-4	-7	-7	-15	-22
			± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB	± 4 dB

NORDgrille | RSP

Product Marking

RSP - B×H - RAL 9003

Product
RSP - grille for supply and exhaust air

Nominal size B×H

RAL colour
If other than standard colour (RAL 9003, white).

Example: RSP 500×150

Accessories:

SKRM - plenum box

MRO - regulating part

Installation

Attach to rectangular duct with mounting frame RSK. Installation to round duct with SKRM plenum box. Wall installation: recommended minimum distance to ceiling 200 mm.

Cleaning: Remove grille from frame carefully, with a screwdriver if needed. Clean parts with a damp cloth. Replace grille.

RPS/RPV General Grilles

Grilles for installation on the wall or ceiling for supply or exhaust air. When installed on the wall, the grille is used as a horizontal air flow pattern and for the vertical air flow pattern grille installed to the ceiling.

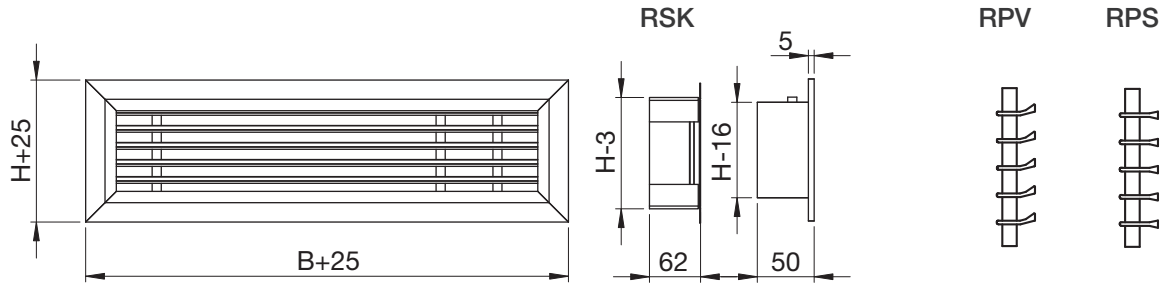
- Grilles for supply and exhaust air for wall and ceiling installation.
- Horizontally fixed blades or at 15° angle.
- Removable bars for easy access for cleaning.

Structure and Dimensions

Manufactured of aluminum profiles. Bars are horizontal or 15° angled. Good torsional stiffness because of welded frame and back supports. Mounting Frame manufactured of zinc-magnesium coated steel (ZM 310).

Standard colour white (RAL 9003). Other RAL colours available.

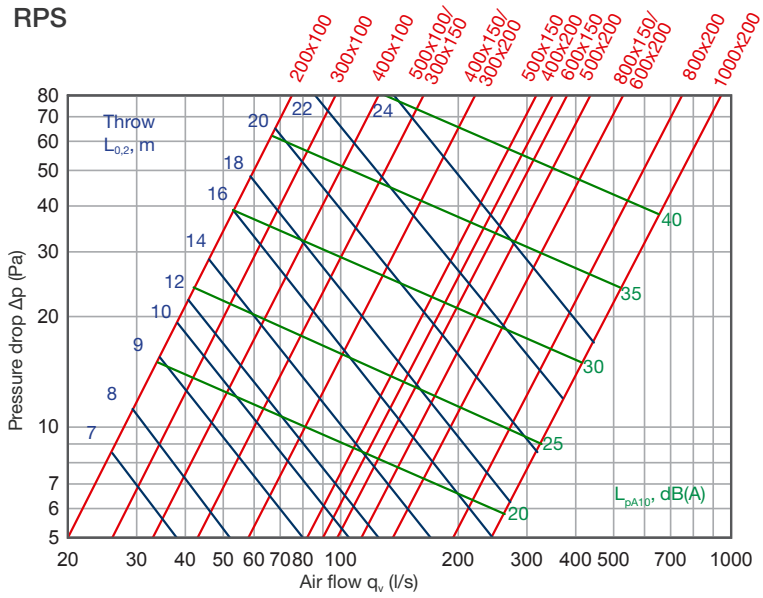
The minimum size of the RPS/RPV grille is 80×80 mm and the maximum 1500×1000 mm. For lengths greater than 1500 mm, grilles are manufactured in modules and installed in string.



Technical Data

Supply air

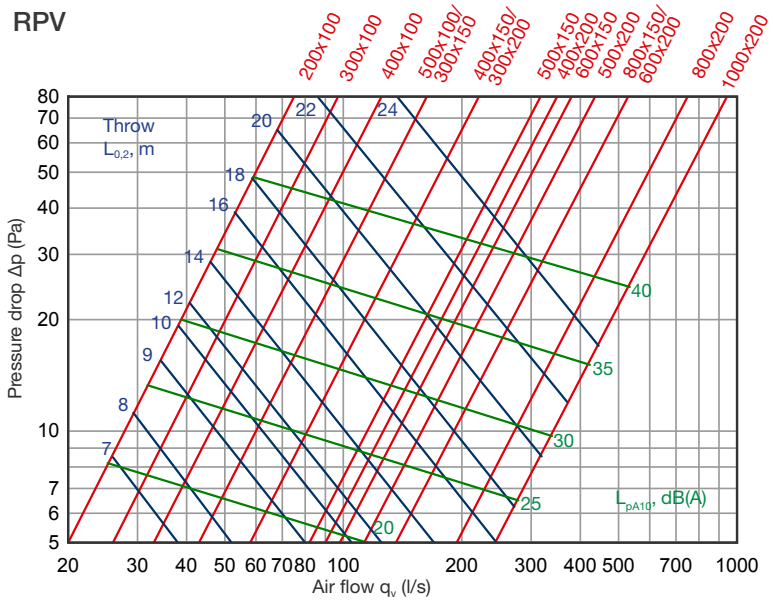
Recommended minimum temperature Δt=-5°C



Exhaust air

Add: noise level 5 dB(A), pressure loss 1,2 x.

RPV



Product Marking

RPS - B×H - RAL 9003

Product
- RPS - grille for supply and exhaust air, fixed blades
- RPV - grille for supply and exhaust air, blades at 15° angle

Nominal size B×H

RAL colour
If other than standard colour (RAL 9003, white).

Example: RPS 500×150

Accessories:

SKRM - plenum box

Installation

Attach to rectangular duct with mounting frame RSK. Installation to round duct with SKRM plenum box. Wall installation: recommended minimum distance to ceiling 200 mm.

Cleaning: Remove grille from frame carefully, with a screwdriver if needed. Clean parts with a damp cloth. Replace grille.

RPSL/RPVL Floor Grille

RPSL/RPVL are grilles for supply and exhaust air for floor or window-sill.

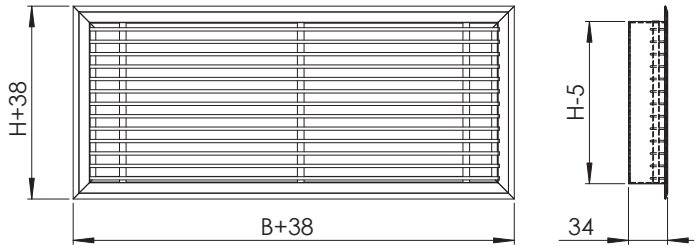
- Vertical or 15° angled fixed blades.
- Removable grille for easy access for cleaning.
- Module grille option.

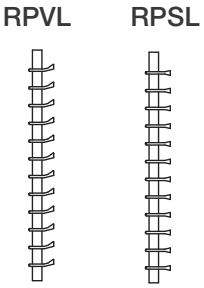
Structure and Dimensions

Manufactured of aluminum profile. Blades are vertical or at 15° angled. Good torsional stiffness because of welded frame and back supports. Mounting Frame manufactured of zinc-magnesium coated steel (ZM 310)

Standard colour white (RAL 9003). Other RAL colours available.

The minimum size of the RPSL/RPVL grille is 80×80 mm and the maximum 1500×600 mm. For lengths greater than 1500 mm, grilles are manufactured in modules and installed in string.



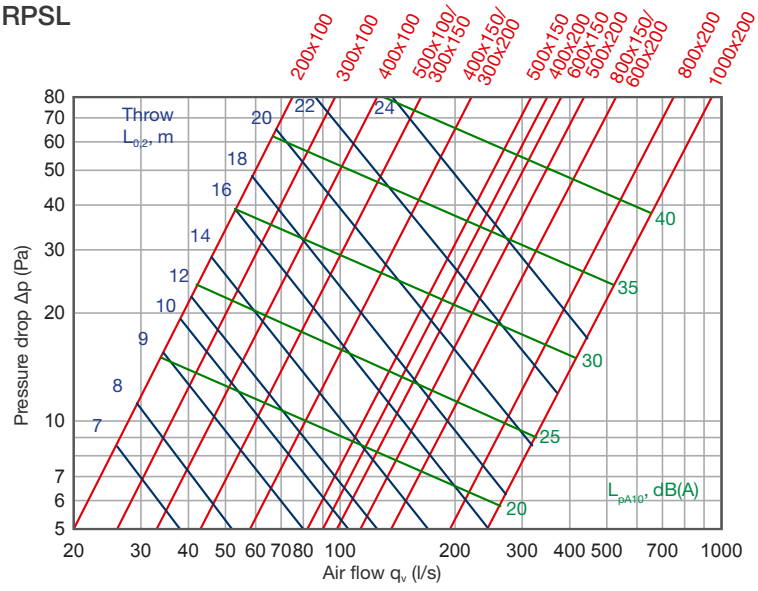


Technical Data

Supply air

Recommended minimum temperature Δt=-5°C.

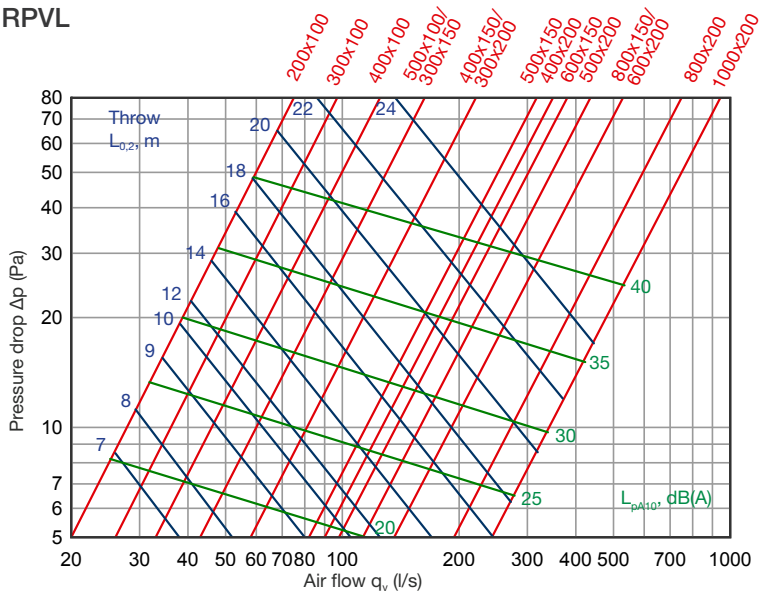
RPSL



Exhaust air

Add: noise level 5 dB(A),
pressure loss 1,2x.

RPVL



Product Marking

RPSL - B×H - RAL 9003

Product
RPSL - grille for supply and exhaust air
RPVL - floor grille for supply and exhaust air, blades at 15° angle

Nominal size B×H

RAL colour
If other than standard colour (RAL 9003, white).

Example: RPSL 500×150

Accessories:

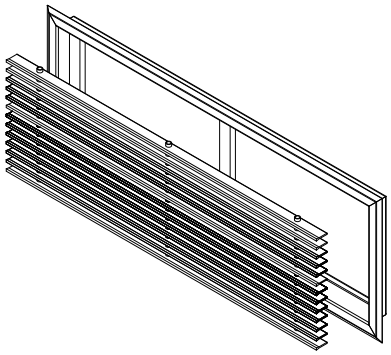
SKRM - plenum box

Installation and Maintenance

Installation to floor or window-sill with mounting frame. Remove grille first from frame. Then install the frame into floor with screws, and finally attach the grille to the frame.

Cleaning: Remove grille from frame carefully, with a screwdriver if needed. Clean parts with a damp cloth. Replace grille.

N.B. RPSL and RPVL are not suitable for wall or ceiling installation.



RSO Transfer Air Grille

Grille for transfer air between rooms. Installed in door or wall.

- Adjustable according to wall or door thickness.
- Very small pressure loss.
- Airflow through the grille is caused by pressure difference between rooms.
- Prevents visual contact between rooms.

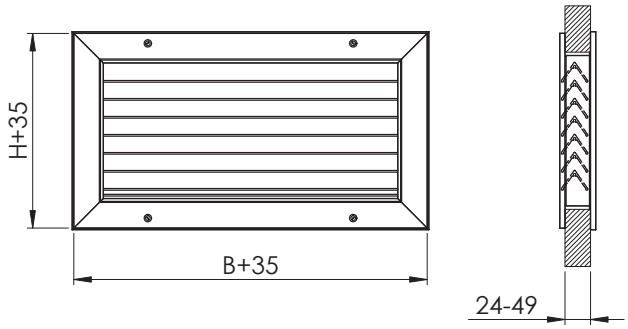
Installation thickness for grille and frame is 25-50 mm. If wall or door thickness exceeds 50 mm, two grilles can be used without mounting frame.

Structure and Dimensions

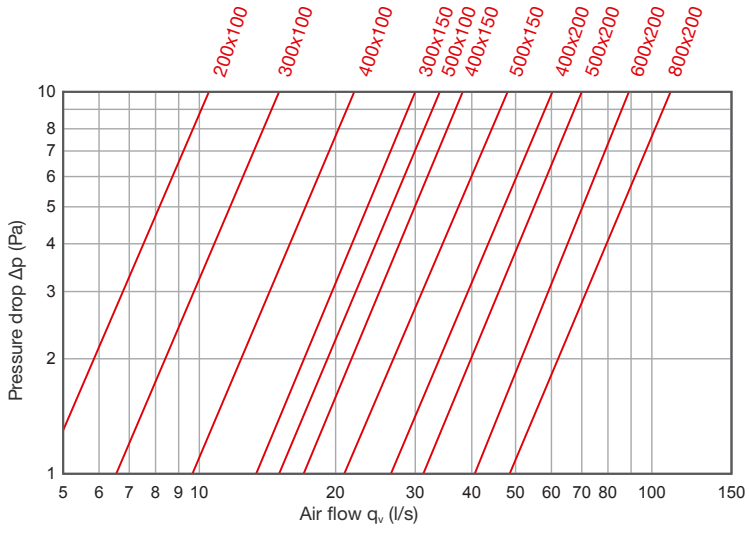
Manufactured of aluminum profiles. Bars are V-shaped. Nominal size of the grille is the same dimension as the installation dimensions in the wall/door (B×H). Standard colour white (RAL 9003). Other RAL colours available.

The minimum size of the RSO grille is 100×100 mm and the maximum 1500×1000 mm.

Nominal size B×H
200×100
300×100
400×100
500×100
300×150
400×150
500×150
600×150
400×200
500×200
600×200
800×200



Technical Data



Product Marking

Example: RSO 500×200

Installation and Maintenance

RSO grill is fixed with screws to the wall or door. A grille is installed on one side of the wall/door and on the other half mounting frame.

For structural width exceeding 50 mm, two grilles are used without mounting frame. A rectangular duct can be installed between the two grilles.

Cleaning: Remove grille from frame carefully, with a screwdriver if needed. Clean parts with a damp cloth. Replace grille.

RSL Sound Attenuating Transfer Grille

Grille for transfer air between rooms.

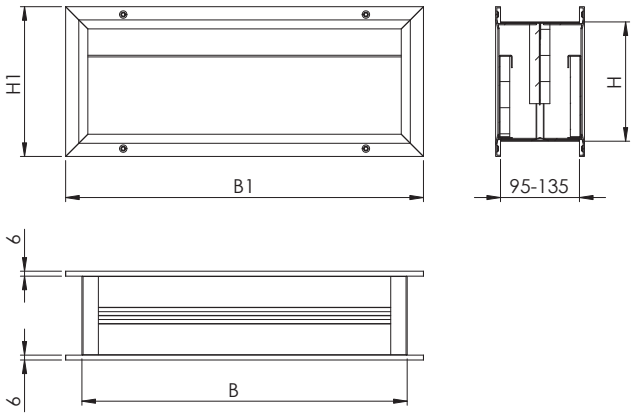
- Adjustable according to wall thickness.
- Small pressure loss.
- Easy to clean.
- Absorbs sound between rooms.
- Prevents visual contact between rooms.

Installing thickness 95-135 mm. Airflow through the grille is caused by pressure difference between rooms. The grille includes sound absorbing plates to attenuate sound between rooms and absorb airflow noise. Usually installed in wall above a door.

Structure and Dimensions

RSL air grille frame is manufactured of aluminum profiles and the absorbing panels are from aluminium steel sheet. Sound attenuation material is coated mineral wool. The grill have a white (RAL 9003) finish by standard, but are also available in any other RAL colours.

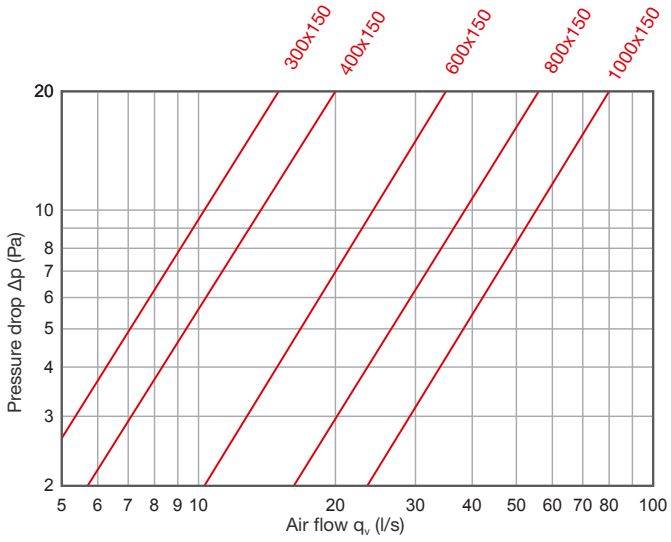
Nominal size	B×H	B1×H1	Cutting dimensions
300×150	295×145	335×182	300×150
400×150	395×145	435×182	400×150
600×150	595×145	635×182	600×150
800×150	795×145	835×182	800×150
1000×150	995×145	1035×182	1000×150



Technical Data

The sound level is less than 25 dB(A), when the pressure drop is 20 Pa.

Recommended maximum pressure difference between rooms is 15 Pa.



Sound Attenuation

Dimensions	Mid-frequency of octave band (Hz)							
	63	125	250	500	1000	2000	4000	8000
RSL 300×150	0	24	23	25	36	39	39	0
RSL 400×150	0	21	20	23	31	38	39	0
RSL 600×150	0	19	17	21	29	37	39	0
RSL 800×150	0	17	16	20	27	36	38	0
RSL 1000×150	0	15	14	19	25	35	37	0

Product Marking

RSL - B×H - RAL 9003

Product

Nominal size B×H

RAL colour
If other than standard colour (RAL 9003, white).

Example: RSL 600×150

Installation and Maintenance

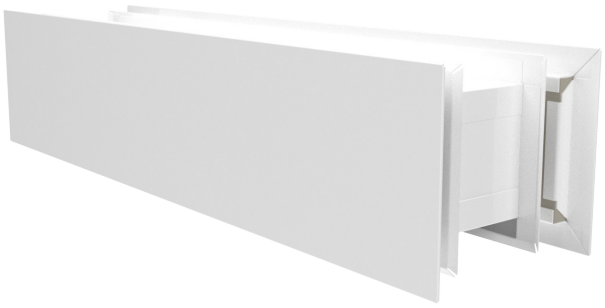
The grill is fixed with screws to the wall or door. A grille is installed on one side of the wall/door and on the other half mounting frame.

For structural width exceeding 135 mm, two grilles are used without mounting frame. A rectangular duct can be installed between the two grilles.

Cleaning: Remove the front panel and clean it with a damp cloth.

RSM Sound Attenuating Transfer Grille

Grille for transfer air between rooms. The depth of the grille is adjustable from 80 to 145 mm, therefore it is suitable for installation in different wall thicknesses.



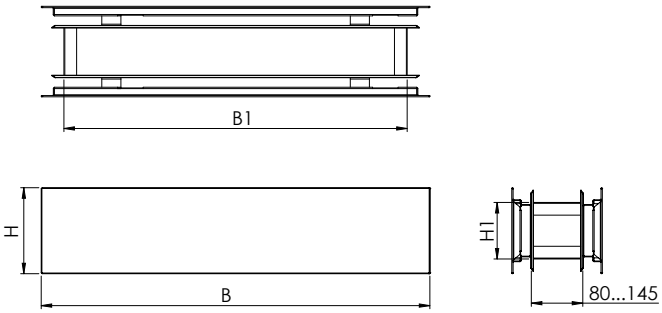
- Adjustable according to wall or door thickness
- Small pressure loss
- Easy to clean
- Absorbs sound between rooms
- Prevents visual contact between rooms

Airflow through the grille is caused by pressure difference between rooms. The grille includes sound absorbing plates (made of synthetic material) to attenuate sound between rooms and absorb air flow noise.

Structure and Dimensions

Transfer air grille RSM is manufactured from galvanized steel. The front panels have a white (RAL 9003) finish by standard, but are also available in any other RAL colours.

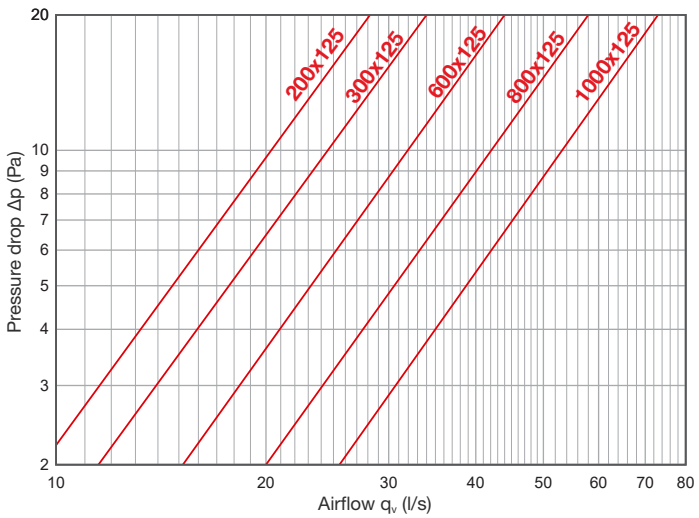
Nominal size	B×H	B1×H1	Cutting dimensions
200×125	210×135	140×89	145×94
300×125	310×135	240×89	245×94
600×125	610×135	540×89	545×94
800×125	810×135	740×89	745×94
1000×125	1010×135	940×89	945×94



Technical Data

The sound level is less than 25 dB(A), when the pressure drop is 20 Pa.

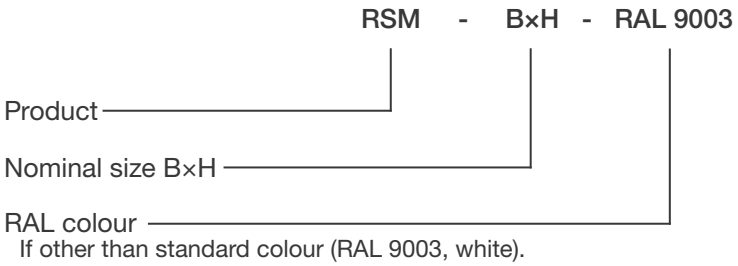
Recommended maximum pressure difference between rooms is 15 Pa.



Sound Attenuation

Nominal size	Mid-frequency of octave band (Hz)							
	63	125	250	500	1000	2000	4000	8000
RSM 200×125	0	20	20	21	24	38	37	0
RSM 300×125	0	21	20	20	24	38	39	0
RSM 600×125	0	17	17	19	23	36	37	0
RSM 800×125	0	15	15	18	23	33	35	0
RSM 1000×125	0	13	14	16	22	31	34	0

Product Marking



Example: RSM 600×125

Installation and Maintenance

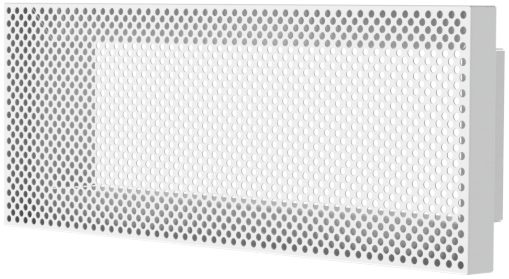
The RSM grille is mounted on a wall with a minimum thickness of 80 mm and a maximum of 145 mm.
To clean the RSM grille, remove the front panels and clean the grille panels and internal parts with a damp cloth.

RSI Exhaust Air Grille

Grille for exhaust air with perforated front cover.

- Low sound power level
- Easy to clean

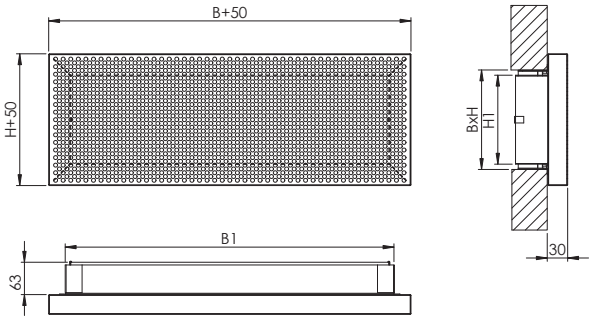
Grille for exhaust for inside installation in offices, schools, hospitals etc.



Structure and Dimensions

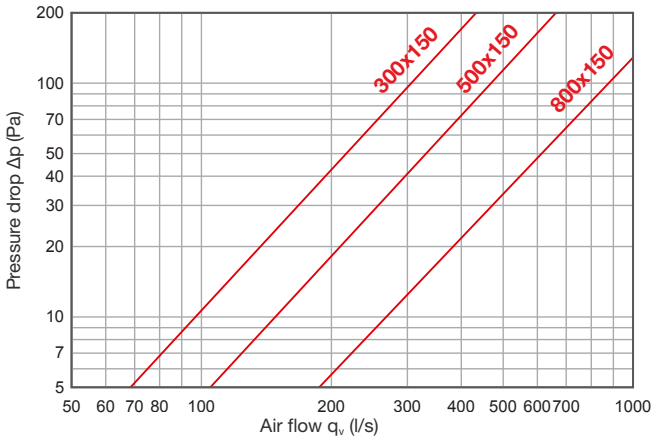
RSI manufactured of galvanized steel. Mounting Frame manufactured of zinc-magnesium coated steel (ZM 310).

Standard colour white (RAL 9003). Other RAL colours available.



Nominal size (mm)	B1	H1	Weight (kg)
300×150	295	145	1,2
500×150	495	145	1,7
800×150	795	145	2,6

Technical Data



Product Marking

RSI - BxH - RAL 9003

Product

Nominal size BxH

RAL colour
If other than standard colour (RAL 9003, white).

Example: RSI 300x150

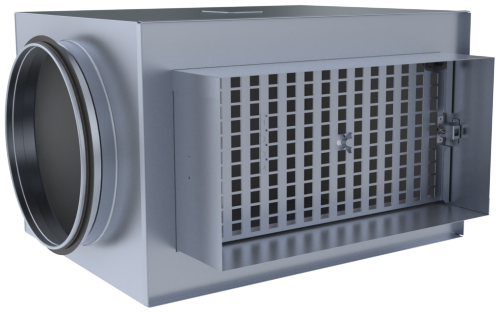
Accessories:

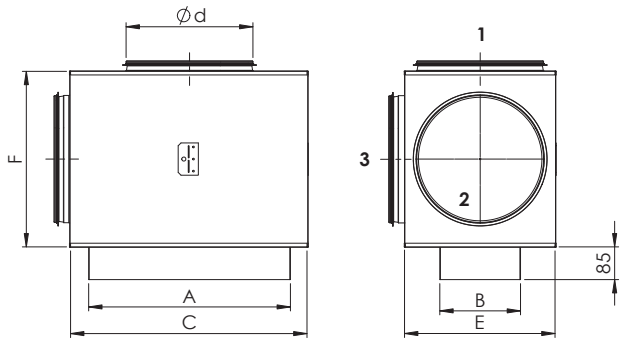
SKRM - plenum box for round duct connection.

Installation and Maintenance

Usually installed in wall using a mounting frame. Can also be installed in rectangular duct using a reducer or SKRM plenum box. Clean with a damp cloth.

SKRM Plenum Box





Used in combination with grilles for supply or exhaust air to reduce pressure difference, maintain even air flow to room and absorb sound.

Material and Dimensions

Manufactured of galvanized steel and equipped with a round duct connection with rubber gasket. Sound absorbtion material glass wool covered with fiber-glass blanket.

Measurements	Ød	A	B	C	E	F
SKRM 200×100	125	200	100	290	185	245
SKRM 300×100	160	300	100	390	220	280
SKRM 400×100	160	400	100	490	220	280
SKRM 500×100	200	500	100	590	260	280
SKRM 200×150	160	200	150	290	220	280
SKRM 300×150	200	300	150	390	260	320
SKRM 400×150	250	400	150	490	310	370
SKRM 500×150	250	500	150	590	310	370
SKRM 600×150	250	600	150	690	310	370
SKRM 300×200	250	300	200	390	310	370
SKRM 400×200	250	400	200	490	310	370
SKRM 500×200	315	500	200	590	375	435
SKRM 600×200	315	600	200	690	375	435
SKRM 800×200	315	800	200	890	375	435
SKRM 600×300	315	600	300	690	475	435
SKRM 800×300	315	800	300	890	475	435
SKRM 800×400	315	800	500	890	575	435
SKRM 1000×200	315	1000	200	1090	375	435

More info about the technical data see RSP/RSV general grille product sheet.

Product Marking

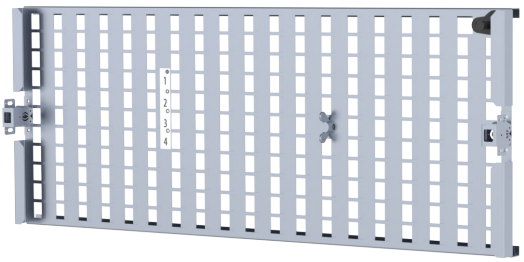
SKRM - A×B / Ød - 1

- Product
- Width A × Height B
- Diameter d
- Duct connection
  - 1 - rear connection
  - 2 - side connection
  - 3 - top connection

Example: SKRM 400×150/250-1

MRO Regulating Part

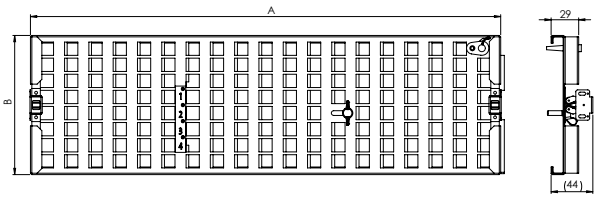
MRO rectangular regulating part for exact measuring and adjusting of air volumes. The MRO is intended to be installed with rectangular saddle directly onto the duct.



Structure and Dimensions

MRO regualting part is manufactured of galvanized steel sheet.

MRO is provided with mounting brackets which are removed from the part by pulling them out and then fixed separately to the inside of the rectangular saddle.

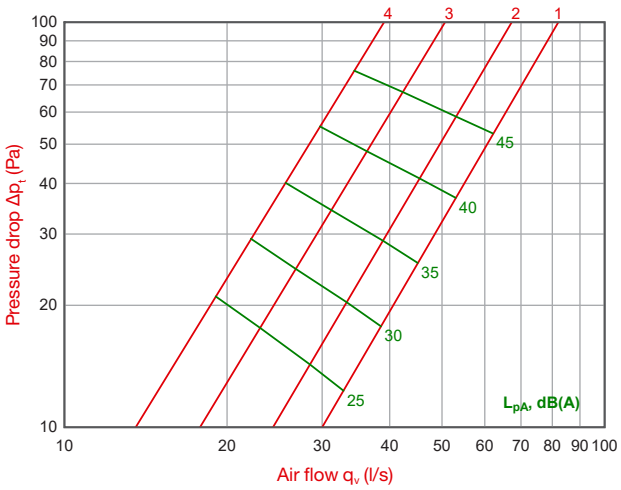


Measurements	A	B
200×100	197	97
200×150	197	147
300×100	297	97
300×150	297	147
300×200	297	197
400×100	397	97
400×150	397	147
400×200	397	197
500×150	497	147
500×200	497	197
600×150	597	147
600×200	597	197
600×300	597	297
800×150	797	147
800×200	797	197
1000×200	997	197

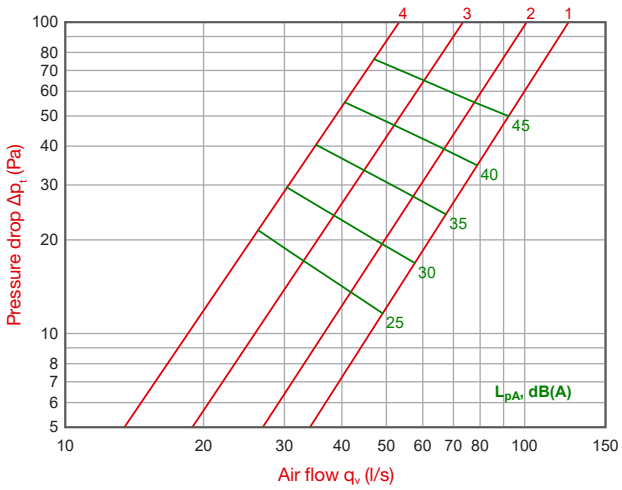
More info about the technical data see RSP/RSV general grille product sheet.

Technical Data

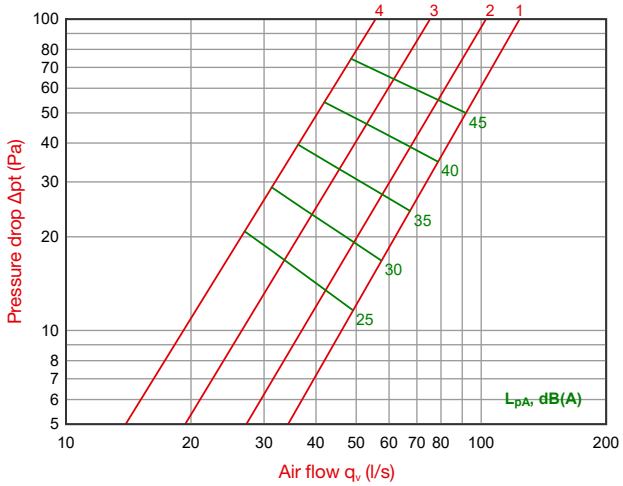
MRO 200×100



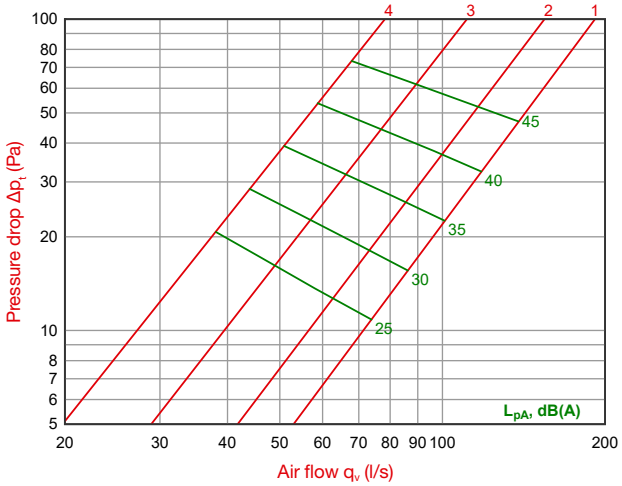
MRO 200×150



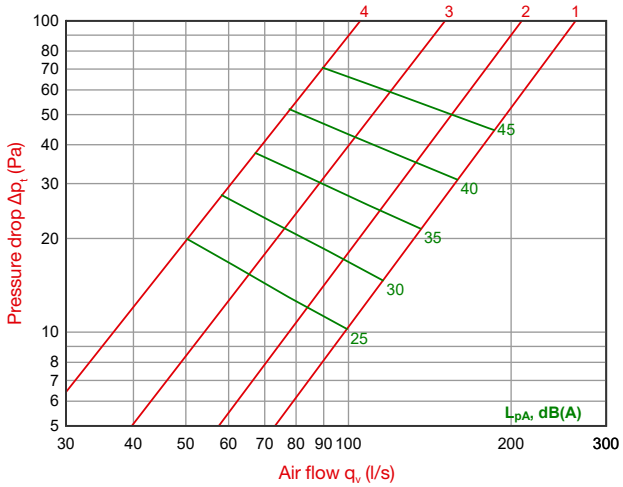
MRO 300×100



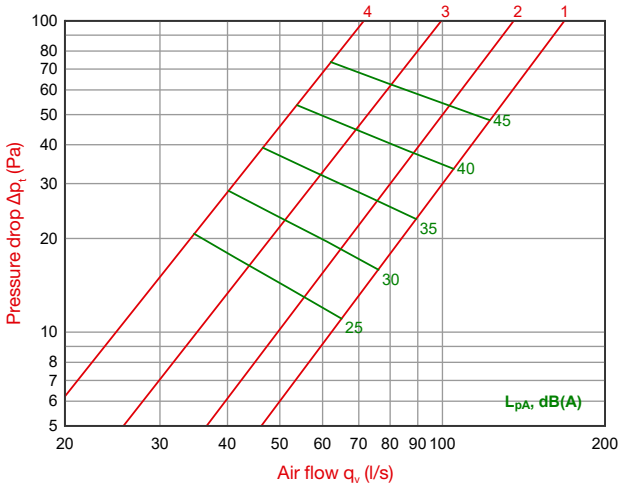
MRO 300×150



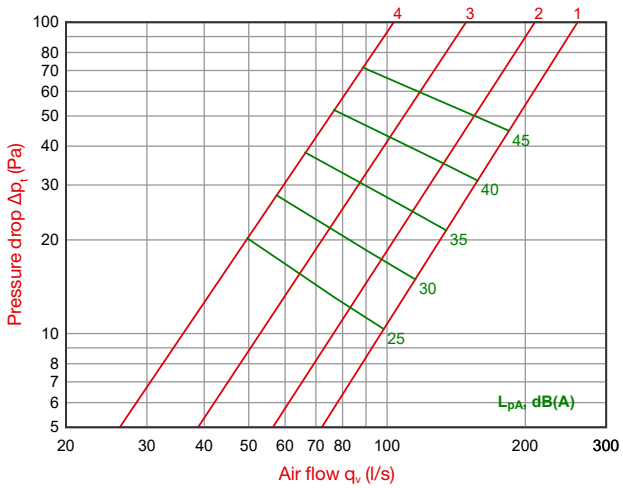
MRO 300×200



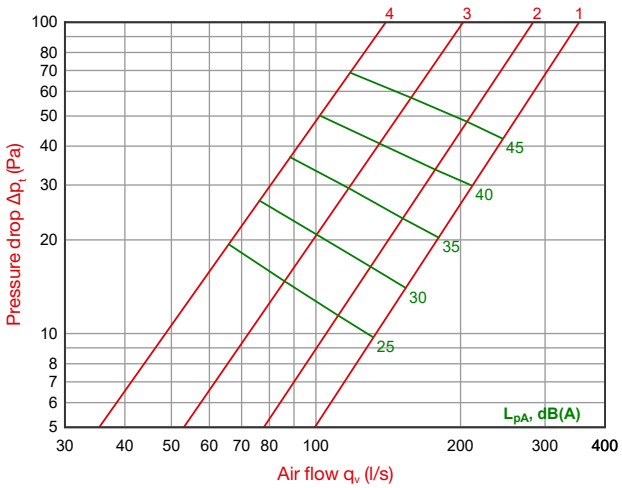
MRO 400×100



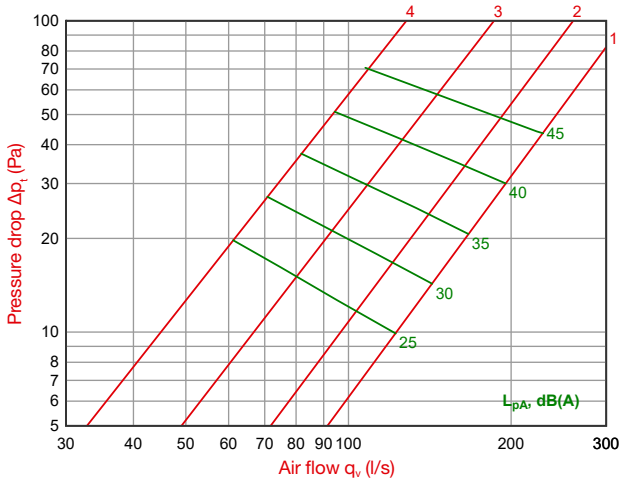
MRO 400×150



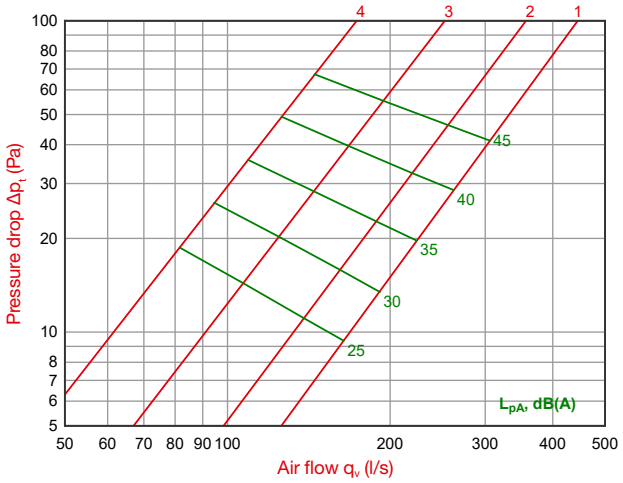
MRO 400×200



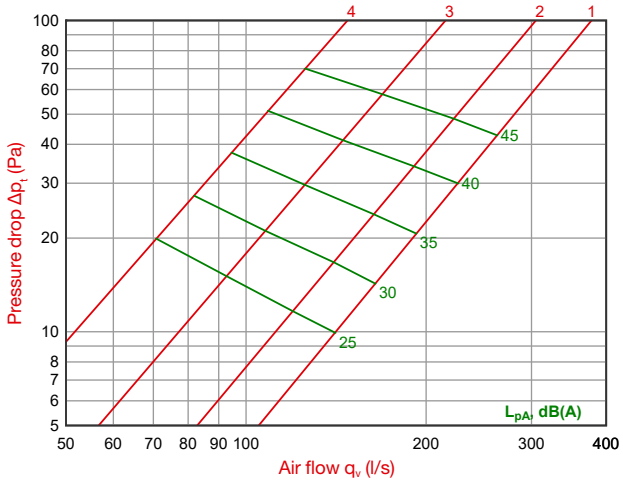
MRO 500×150



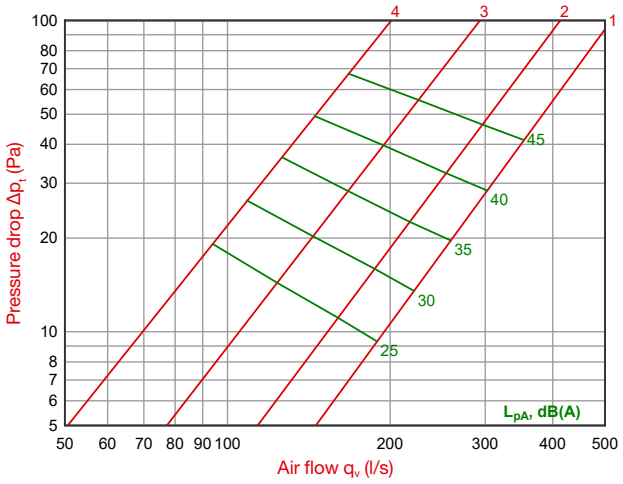
MRO 500×200



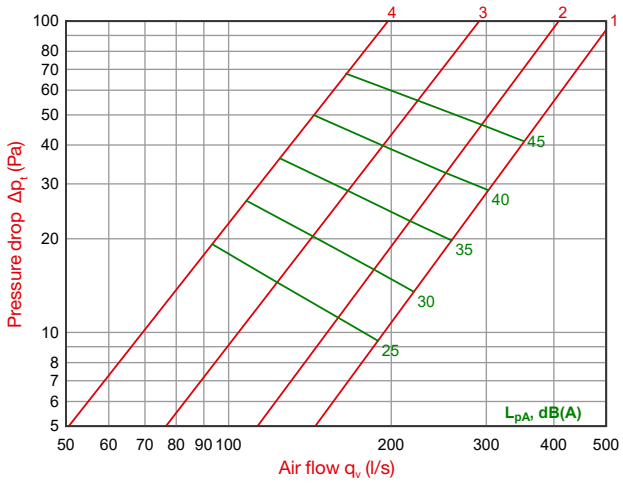
MRO 600×150



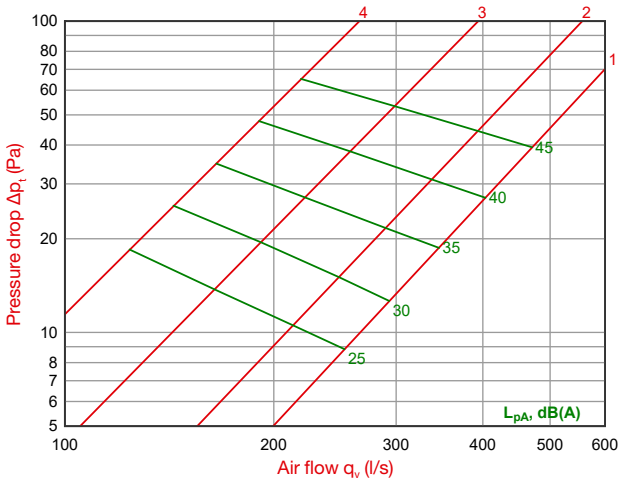
MRO 600×200



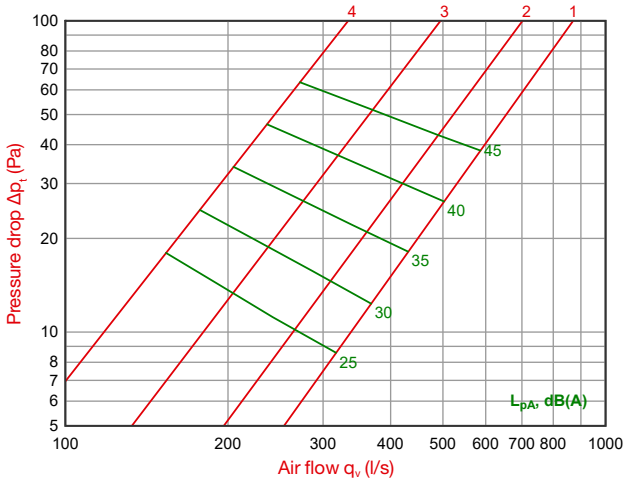
MRO 800×150



MRO 800×200



MRO 1000×200



Product Marking

SKRM - A×B

Product

Width A × Height B

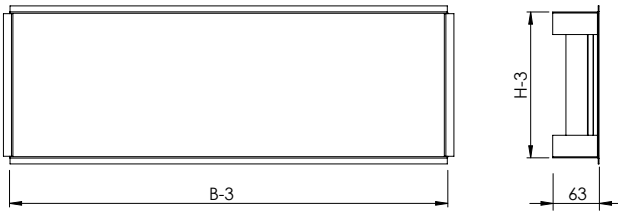
Example: MRO 400×100

RSK Mouting Frame

RSK – fixing frame of an internal grille.

Used to connect the grille with ventilation piping.

Mounting Frame manufactured of zinc-magnesium coated steel (ZM 310).



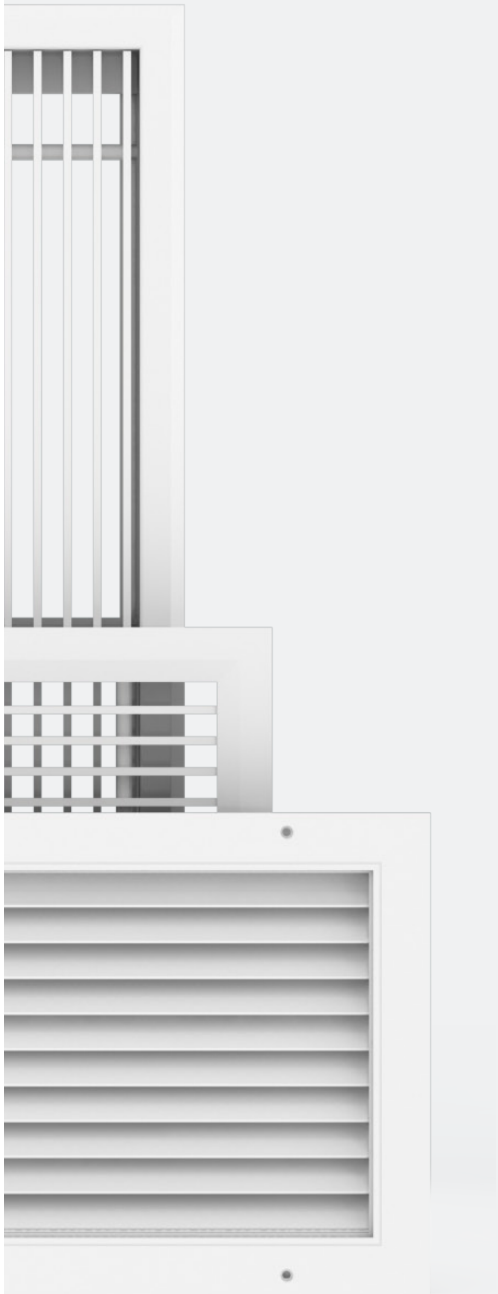
Product Marking

RSK - AxB

Product

Width A × Height B

Example: RSK 400x100



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Let's move the air ***together!***