PME – floor grids

elox

Technical parameters

Version
Floor grilles are used to aesthetically cover the ventilation opening in the floor for ventilation and air conditioning equipment. The pitch of the longitudinal fixed sheets is 12.5 mm. Floor grids can be equipped with R1 regulation.

- low noise level
- easy installation in the floor
- good setting parameters
- simple construction

Construction
The floor grids are made of an aluminum profile with transparent anodization. Grids are produced in a range of sizes with 12.5 mm leaf spacing. The standard design of the grids is with longitudinal sheets and with transverse reinforcement. Grids also come with a frame.

Installation
is done using a floor frame.

Accessories
Dust collector PZ.
Regulating damper R1 made of galvanized steel equipped with regulating leaves with counter-rotating movement.

Type key for ordering

floor grid

PME-500×300
1

1 – dimensions

regulation

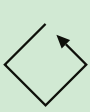
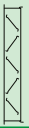
PME-R1 500×300
1

1 – dimensions (W × H) (mm)

dust collector

PME-PZ 500×300
1

1 – dimensions (W × H) (mm)

			
W × H [mm]	**PME**	**PME-R1**	**PME-PZ**
300×100	•	•	•
400×100	•	•	•
500×100	•	•	•
600×100	•	•	•
800×100	•	•	•
1000×100	•	•	•
300×150	•	•	•
400×150	•	•	•
500×150	•	•	•
600×150	•	•	•
800×150	•	•	•
1000×150	•	•	•
400×200	•	•	•
500×200	•	•	•
600×200	•	•	•
800×200	•	•	•
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500×300	•	•	•
600×300	•	•	•
800×300	•	•	•
1000×300	•	•	•
600×400	•	•	•
800×400	•	•	•
1000×400	•	•	•
600×500	•	•	•
800×500	•	•	•
1000×500	•	•	•
600×600	•	•	•
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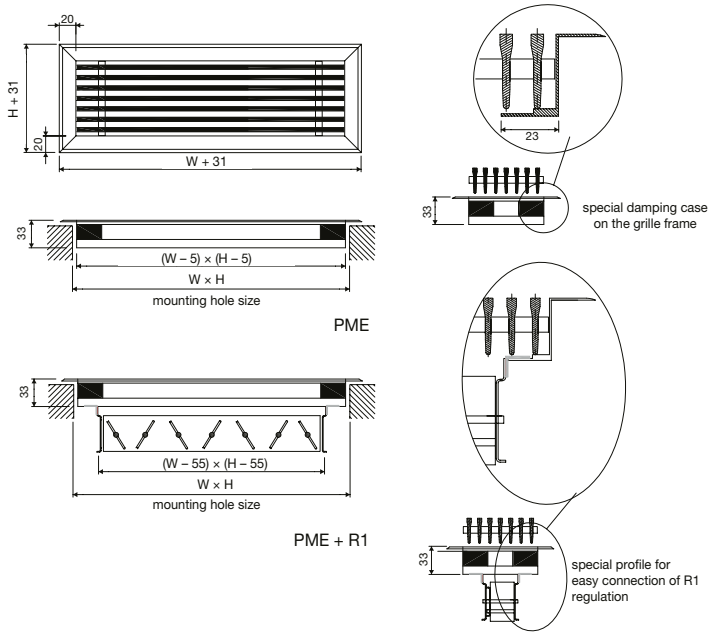
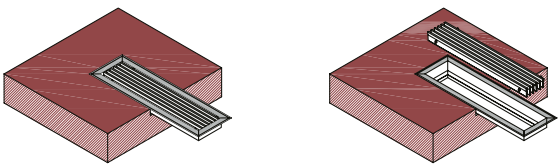


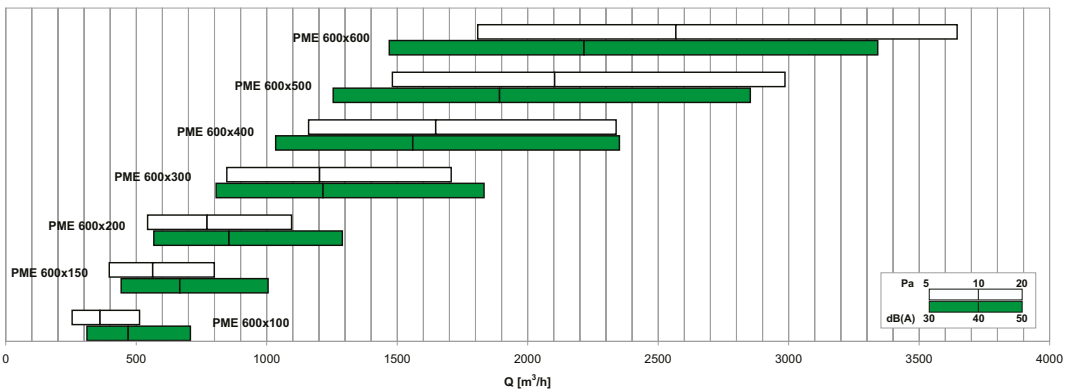
Additional illustration



Example Installation

7²

Quick Design Table



PME – floor grids

Type	A_k [m²]	Q [m³/h]		L_{WA} [dB(A)]		$Y_{(0,25)}$ [m]		Δp_t [Pa]	
		min	max	min	max	min	max	min	max
PME 300×100	0.0126	120	240	21	38	2.2	4.9	5	20
PME 400×100	0.0172	160	330	22	40	2.6	5.9	5	20
PME 500×100	0.0220	210	420	24	41	3.2	6.7	5	20
PME 600×100	0.0268	250	510	25	42	3.5	7.4	5	20
PME 800×100	0.0368	350	700	27	44	4.2	8.8	5	20
PME 1000×100	0.0470	450	900	28	45	4.9	10.0	5	20
PME 300×150	0.0196	190	370	24	40	3.1	6.3	5	20
PME 400×150	0.0268	250	510	25	42	3.5	7.6	5	20
PME 500×150	0.0343	320	650	26	43	4.1	8.6	5	20
PME 600×150	0.0418	400	800	28	44	4.7	9.6	5	20
PME 800×150	0.0573	540	1100	29	46	5.4	11.3	5	20
PME 1000×150	0.0732	690	1400	30	47	6.2	12.7	5	20
PME 400×200	0.0368	350	700	27	44	4.4	9.1	5	20
PME 500×200	0.0470	450	900	28	45	5.0	10.3	5	20
PME 600×200	0.0573	540	1100	29	46	5.5	11.4	5	20
PME 800×200	0.0785	740	1500	30	48	6.5	13.3	5	20
PME 1000×200	0.1003	950	1920	32	49	7.4	15.1	5	20
PME 500×300	0.0732	690	1400	30	47	6.4	13.1	5	20
PME 600×300	0.0893	850	1710	31	48	7.1	14.5	5	20
PME 800×300	0.1224	1160	2340	33	50	8.3	16.9	5	20
PME 1000×300	0.1563	1480	2990	34	51	9.4	19.1	5	20
PME 600×400	0.1224	1160	2340	33	50	8.4	17.1	5	20
PME 800×400	0.1677	1590	3200	34	51	9.8	20.0	5	20
PME 1000×400	0.2141	2030	4090	36	53	11.1	22.5	5	20
PME 600×500	0.1563	1480	2990	34	51	9.6	19.5	5	20
PME 800×500	0.2141	2030	4090	36	53	11.2	22.7	5	20
PME 1000×500	0.2733	2590	5220	37	54	12.6	25.6	5	20
PME 600×600	0.1908	1810	3650	35	52	10.7	21.7	5	20
PME 800×600	0.2613	2480	5000	37	54	12.5	25.3	5	20
PME 1000×600	0.3336	3160	6380	38	55	14.0	28.5	5	20

Explanatory notes:

Q [m³/h]	air flow
A_k [m²]	free discharge area
Δp, [Pa]	total pressure drop
L_{WA} [dB(A)]	acoustic performance
$Y_{(0,25)}$ [m]	air flow range to obtain a comfortable air speed in the living area of 0.25 m/s