

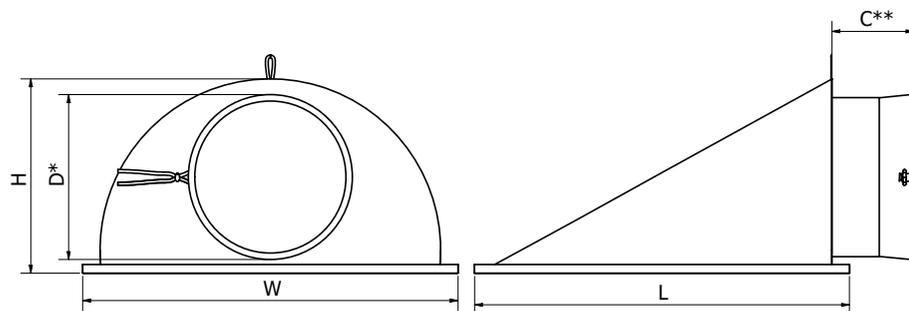
Technical data

Extract units, EPM

The FabricAir EPM is a drop-in unit, suitable for T-profile-based suspended ceiling installations and is used for air extraction. They are quick to install and require no tools. The units can be connected to both solid and flexible ducts. The plenum box – the upper and hidden part of the unit – is insulated. The connection sleeve is

centered on the end or side of the plenum box and it fits for duct sizes from Ø125 to Ø250 mm by adjusting the strap lock. The flow panel – the lower and visual part – is a fabric with a PerfoFlow™ flow model and is available in alternative colors or printed patterns. This unit is made from FabricAir Combi 80 and Combi 90 fabrics and it comes with a 10-year warranty.

Dimensions



Performance data

Size (mm)	W (mm)	L (mm)	H (mm)	D* (mm)	C** (mm)		m (kg)
					solid duct	flexible duct	
600 x 600	595	595	300	260	205	110	1,7
600 x 1200	595	1195	300	260	205	110	2,8
1200 x 600	1195	595	300	260	205	110	2,8
625 x 625	620	620	300	260	205	110	1,9
625 x 1250	620	1245	300	260	205	110	3,1
1250 x 625	1245	620	300	260	205	110	3,1

Notes:

- * Fits for duct sizes Ø125-250 mm by adjusting the strap lock.
- ** Length of the connection sleeve when fully extended. Length decreases with the size of the duct when connected. Smaller duct diameter results in a shorter length of the connection sleeve.

Disclaimer: Unit flow panels may experience a small amount of curve inwards during operation or sagging at rest after extended use.

Performance data

Tested in general accordance to standards ISO 3744 and ISO 7235, ISO 3741 and ISO 5135. Tests performed with straight metal duct connection. Actual performance may vary in the field depending on upstream duct layout and when flexible duct is used.

Sizing diagrams: air volume q [m³/h], total pressure loss Δp_t [Pa] and sound power level L_{WA} [dB(A)] are shown. The number of perforated holes is the same between the units 600 x 600 mm, 600 x 1200 mm, 1200 x 600 mm and 625 x 625 mm, 625 x 1250 mm, 1250 x 625 mm respectively. Hence the performance data is the same.

Code compliance

							Feature
EN 13501-1	UL 723	ULC s102.2	GOST 30244	NFP 92:507	DS 428	GB 8624	Anti-microbial
B-s1, d0			✓	M1	✓	B-s1, d0, t1	✓

EPM 600 x 600 mm

EPM 625 x 625 mm

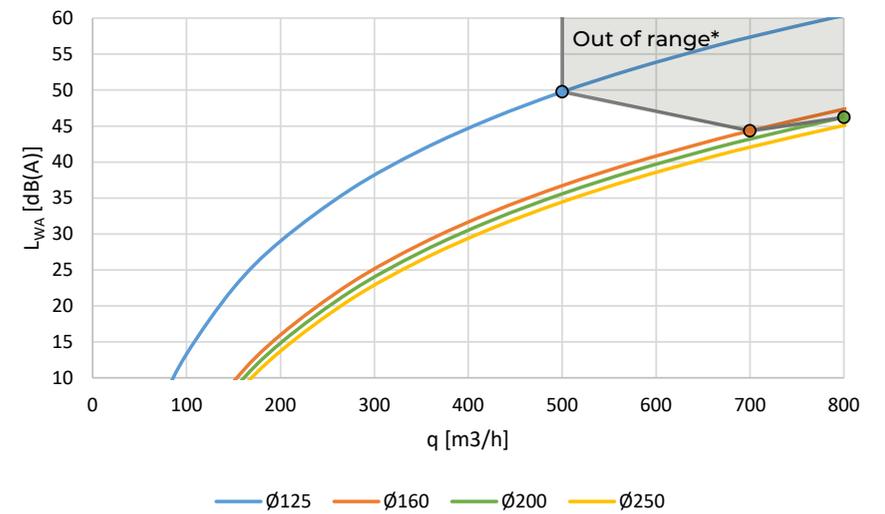
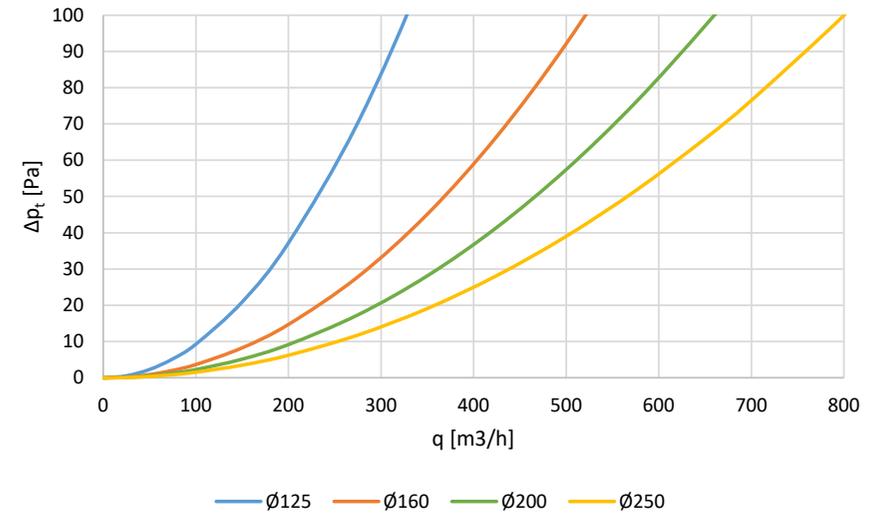
Sound attenuation, dB

Connecting duct diameter [mm]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
125	-	0,1	-	-	1,4	0,4	2,5	3,5
160	-	-	-	-	3,3	-	-	3,6
200	-	0,5	-	-	5,2	1,7	3,3	3,6
250	-	-	-	-	3,6	3,1	3,6	3,7

Sound attenuation of the diffuser ΔL from duct to room in dB.

Dash (-) denotes attenuation was not determined.

Sizing diagrams



* Exceeds the recommended air volume. Neglecting may cause vibrations and performance disturbances.

EPM 600 x 1200 mm

EPM 625 x 1250 mm

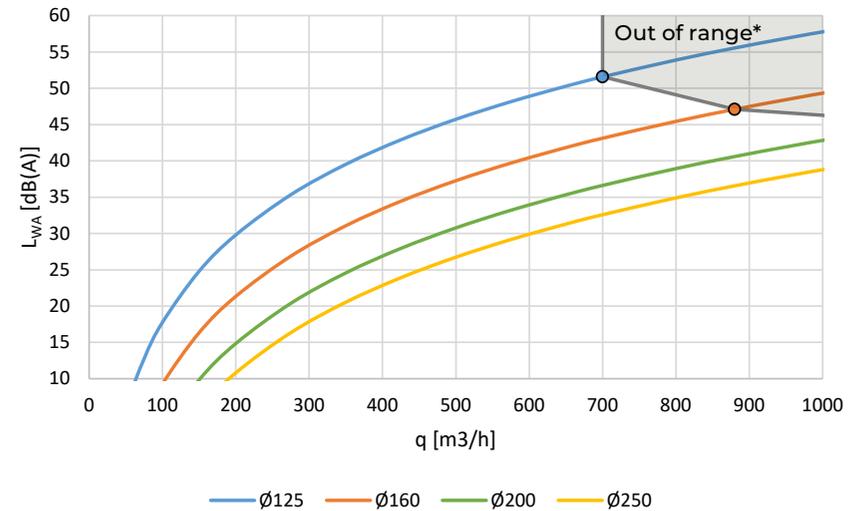
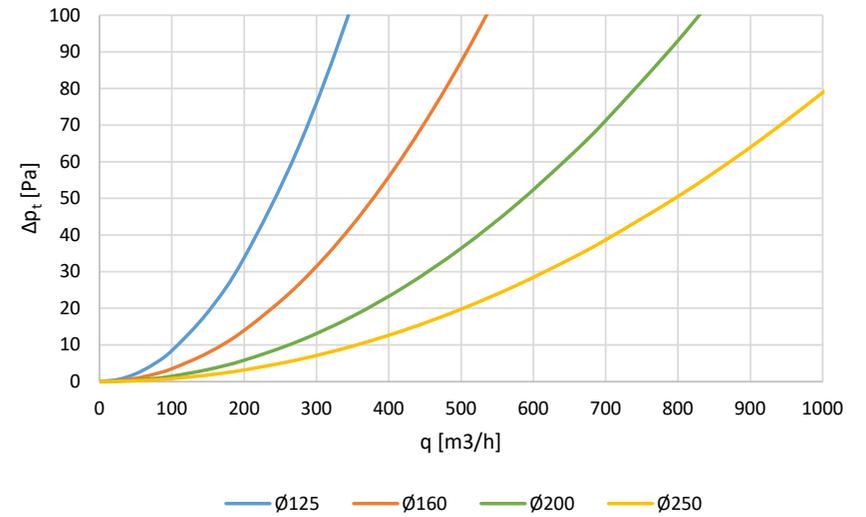
Sound attenuation, dB

Connecting duct diameter [mm]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
125	0,2	-	-	-	5,0	-	0,3	5,0
160	0,5	0,2	-	-	4,4	0,1	0,3	2,0
200	0,6	0,5	-	-	5,5	3,1	2,0	4,0
250	1,4	1,1	-	-	5,6	5,3	3,9	7,3

Sound attenuation of the diffuser ΔL from duct to room in dB.

Dash (-) denotes attenuation was not determined.

Sizing diagrams



* Exceeds the recommended air volume. Neglection may cause vibrations and performance disturbances.

EPM 1200 x 600 mm

EPM 1250 x 625 mm

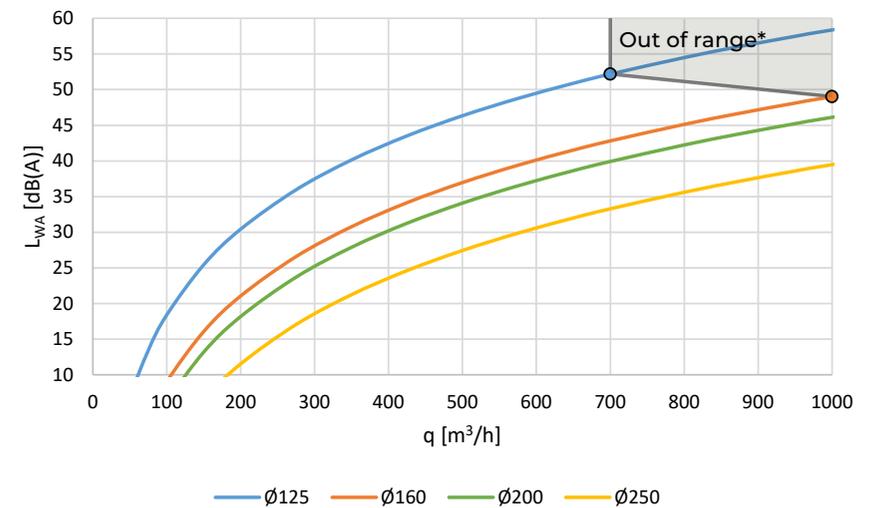
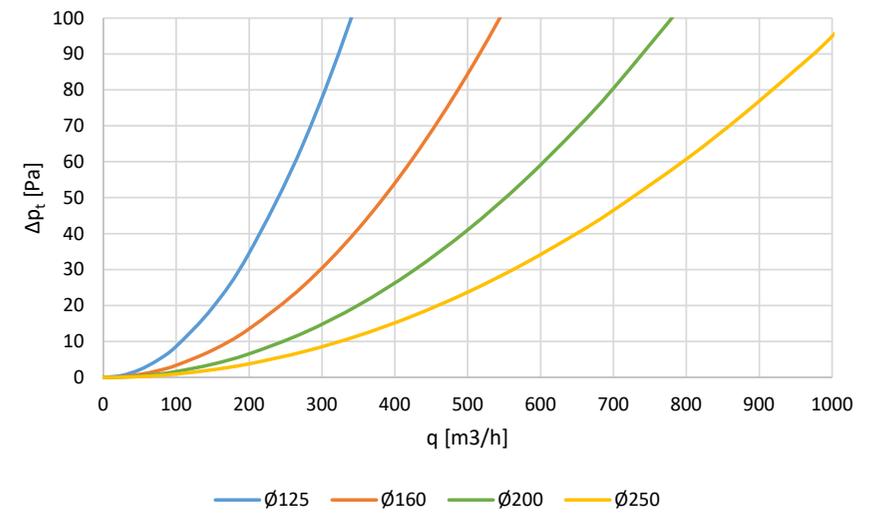
Sound attenuation, dB

Connecting duct diameter [mm]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
125	-	-	-	-	8,4	3,7	4,6	0,5
160	-	-	-	-	5,6	4,0	3,5	1,1
200	-	0,6	-	-	8,7	5,8	6,5	3,2
250	-	1,0	1,5	1,6	8,8	3,6	4,7	4,6

Sound attenuation of the diffuser ΔL from duct to room in dB.

Dash (-) denotes attenuation was not determined.

Sizing diagrams



* Exceeds the recommended air volume. Neglection may cause vibrations and performance disturbances.