ERGOVENT Klima Rodaclim

LINEO PRO 160 CONDI

Diffuseur de ventilation invisible pour la climatisation

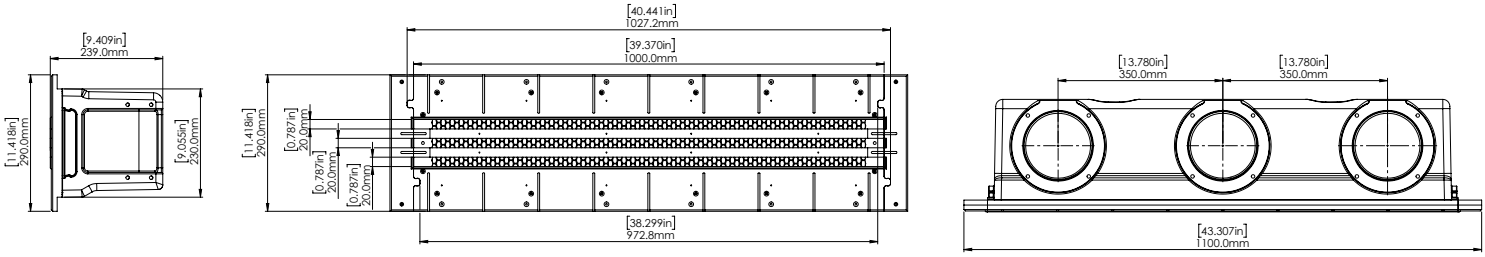


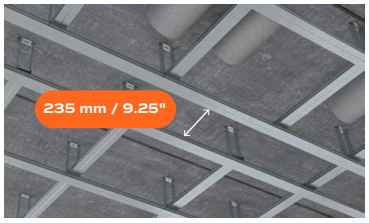


RACCORDEMENT SUPÉRIEUR POSSIBLE

Raccordement 160 mm / 3 fentes × 1000 mm × 20 mm / isolé

Diffuseur d'air linéaire encastrable à fentes, conçu pour une installation dans des plafonds ou murs en plaques de plâtre.
Compatible avec les réseaux de gaines de diamètre 160 mm. Les trois fentes permettent des débits d'air très élevés, typiques des systèmes de rafraîchissement.
Le plénum est fabriqué en EPP (polypropylène expansé), assurant une isolation optimale.
Après installation, le diffuseur est enduit puis entièrement peint dans la même couleur que le plafond ou le mur. Seules trois fentes minimalistes restent visibles, formant un détail intérieur discret et élégant.





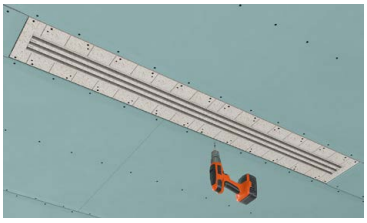
Largeur d'installation entre profilés :
235 mm / 9,25 po



Hauteur minimale d'installation :
230 mm / 9,05 po



Solution technique brevetée :
Le système PUZZLE LOCK permet de raccorder les diffuseurs.

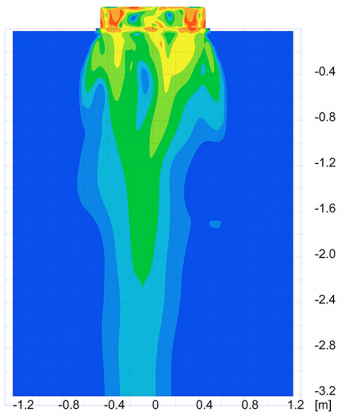


Lors de l'installation, toutes les vis de fixation doivent être complètement serrées.

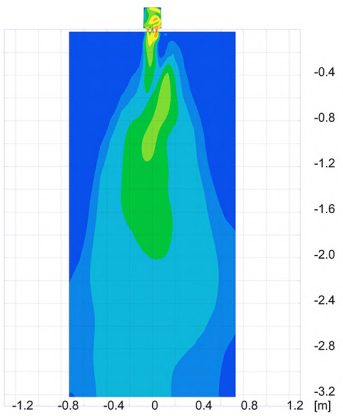
PORTÉE DU JET D'AIR



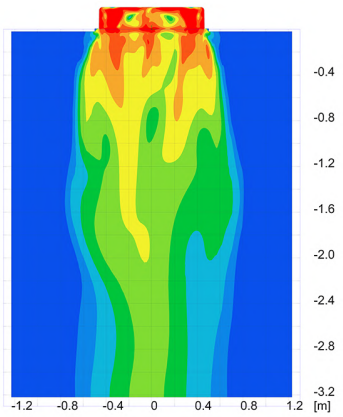
300 m³/h



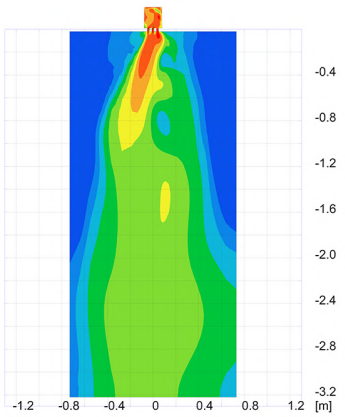
300 m³/h



650 m³/h



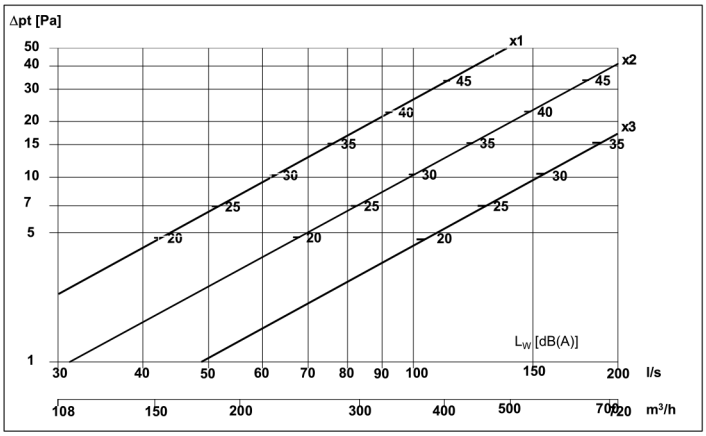
650 m³/h



FLOW NOISE (in accordance with ISO 3741) and PRESSURE DROP test report

SOUFFLAGE

Diagram for pressure and flow noise:



L_{Woct} [dB] = L_{WA} + K_{oct}

q [l/s]	Dp_t [Pa]	L_{WA} [dBA]			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
-	-	33		K_{oct}	-37	0	-3	1	-5	-14	-21	-24

Octave correction factors to the diagram are calculated at the listed value of either q, Δp_t or L_{WA}/L_{pA}

Calculation of pressure and sound effect according to flow:

Sound effect: $L_{W(oct\ or\ A)} = k \cdot \log(q) + L_0$

Total pressuredrop: $\Delta p_t = c_{pt} \cdot q^2$

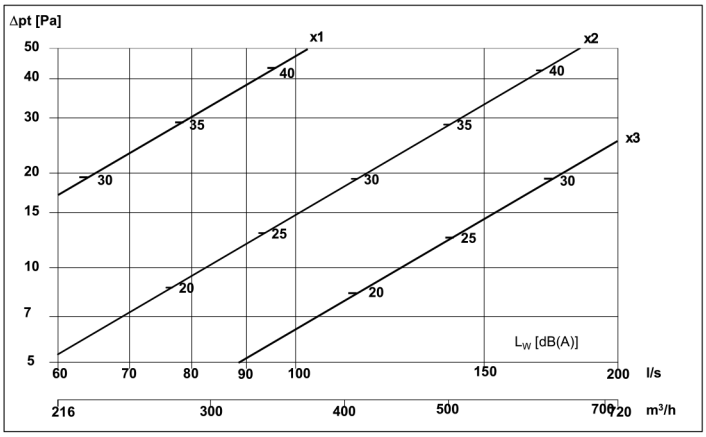
Balancing: $q = K_{factor} \cdot \sqrt{p_i}$

L_W - sound effect [dB]
k - factor, sound effect [-]
L_0 - addend, sound effect [-]
Δp_t - total pressuredrop [Pa]
c_{pt} - factor, total pressuredrop [Pa·s²/l²]
q - flow [l/s]
K_{factor} - factor, balancing [l/(s·√Pa)]
p_i - pressuredifference, balancing [Pa]

	Total p c_{ptot}	Balancing K-factor		LwA	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	0.0010	Not measured	k	58.8	46.9	55.9	51.0	57.8	79.7	97.4	40.9	41.0
			Lo	-87.7	-59.1	-80.2	-66.9	-86.9	-140.3	-183.9	-70.4	-68.6

EXTRACTION

Diagram for pressure and flow noise:



L_{Woct} [dB] = L_{WA} + K_{oct}

q [l/s]	Dp_t [Pa]	L_{WA} [dBA]			63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
-	-	33		K_{oct}	8	5	6	-4	-11	-15	-19	-18

Octave correction factors to the diagram are calculated at the listed value of either q, Δp_t or L_{WA}/L_{pA}

Calculation of pressure and sound effect according to flow:

Sound effect: $L_{W(oct\ or\ A)} = k \cdot \log(q) + L_0$

Total pressuredrop: $\Delta p_t = c_{pt} \cdot q^2$

Balancing: $q = K_{factor} \cdot \sqrt{p_i}$

L_W - sound effect [dB]
k - factor, sound effect [-]
L_0 - addend, sound effect [-]
Δp_t - total pressuredrop [Pa]
c_{pt} - factor, total pressuredrop [Pa·s²/l²]
q - flow [l/s]
K_{factor} - factor, balancing [l/(s·√Pa)]
p_i - pressuredifference, balancing [Pa]

	Total p c_{ptot}	Balancing K-factor		LwA	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
	0.0015	Not measured	k	57.8	59.7	57.4	59.0	57.2	49.1	78.4	45.2	46.9
			Lo	-89.0	-85.1	-83.4	-85.6	-91.3	-81.0	-147.3	-81.2	-83.5