

NZL-B – long reach nozzle



Type	NZL-B
NZL-B 80	•
NZL-B 150	•
NZL-B 200	•

Technical parameters

Version

Long-reach nozzle allows manual 360° rotation and up to 30° deflection. The nozzles are designed to distribute air over a large distances in large spaces, e.g. shopping malls, lobbies and other public areas. The nozzle has an optimised design to ensure low noise level.

Construction

The nozzles are made of brushed aluminium coated with a transparent protective lacquer.

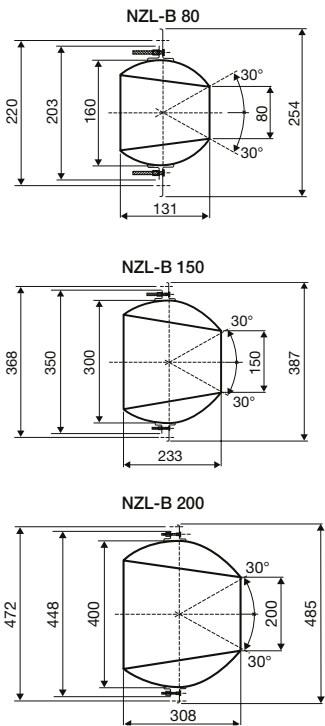
Installation

The nozzles are designed for wall or ceiling mounting for air supply. Recommended Installation height 2,4–11,5 m.

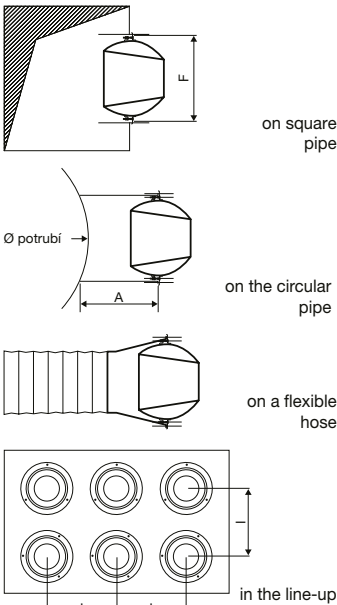
Mounting

using the screws on the cover frame directly on the circular pipe or on the flexible hose.

Dimensions



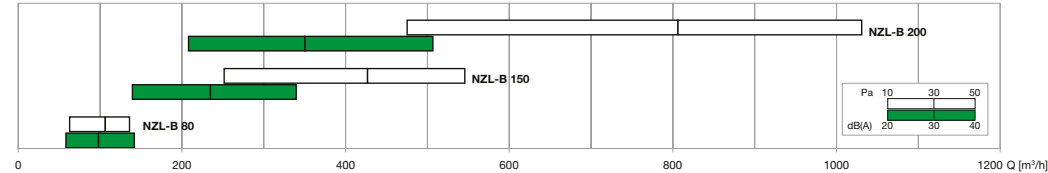
Mounting



Type	A	F	I
NZL-B 80	200	220	300
NZL-B 150	300	368	430
NZL-B 200	350	472	430

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Quick Design Table



Type	A, [m²]	Q [m³/h]		L _{wa} [dB(A)]		X _{0,25} - Y _{0,25} [m]		Δp, [Pa]	
		min	max	min	max	min	max	min	max
NZL-B 80	0,0050	60	140	20	40	8,1	18,9	10	50
NZL-B 150	0,0176	250	550	31	58	11,9	26,2	10	50
NZL-B 200	0,0314	480	1030	38	69	14,0	30,1	10	50

The air flow parameters are under isothermal conditions. Airflow at the centre of the neutral axis of the nozzle.

Explanatory notes:

Q [m³/h] – air flow, A, [m²] – free discharge area, Δp, [Pa] – total pressure drop, L_{wa} [dB(A)] – acoustic performance
X_{0,25} – Y_{0,25} [m] – air flow range for obtaining a comfortable air velocity in the residence zone under isothermal conditions of 0.25 m/s