

NZL-W – long reach nozzle



Technical parameters

■ Version

The long reach nozzle allows manual rotation of 360° and deflection of up to 30° for long distance air distribution in shopping malls, halls and public areas. Optimised to ensure low noise levels.

■ Construction

Made of aluminium alloy, painted RAL 9016 and fitted with a special seal between the exhaust nozzle and the cover frame.

■ Installation

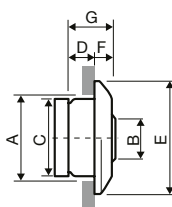
The nozzles are designed for wall or ceiling mounting for air supply. Recommended installation height 2,4–11,5 m.

■ Mounting

by hidden screws behind the cover frame.

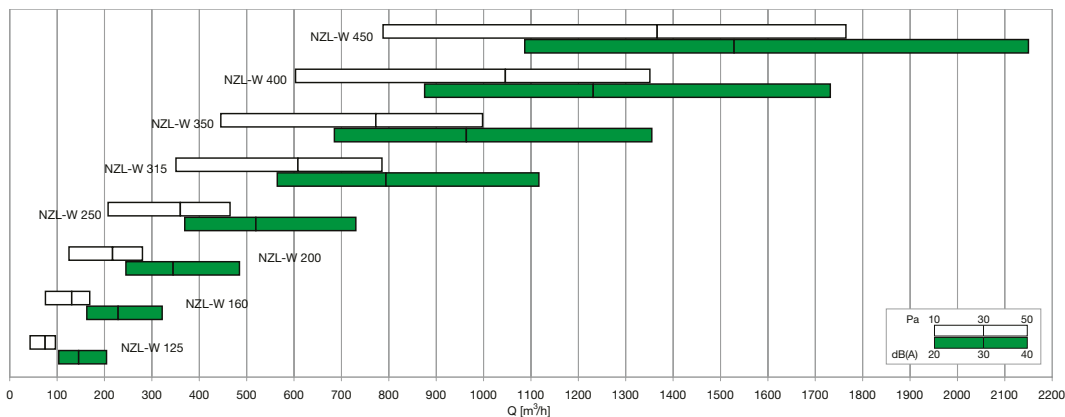
Type	NZL-W
NZL-W 125	•
NZL-W 160	•
NZL-W 200	•
NZL-W 250	•
NZL-W 315	•
NZL-W 350	•
NZL-W 400	•
NZL-W 450	•

Dimensions



Type	A	B	C	D	E	F	G
NZL-W 125	135	60	123	45	170	22	67
NZL-W 160	175	76	158	57	200	23	80
NZL-W 200	215	96	199	88	265	27	115
NZL-W 250	270	127	248	112	309	30	142
NZL-W 315	335	180	313	138	378	30	168
NZL-W 350	370	195	348	205	430	33	238
NZL-W 400	420	220	398	171	466	36	207
NZL-W 450	470	276	448	233	520	41	274

Quick Design Table



Type	A_n [m²]	Q [m³/h]		L_{WA} [dB(A)]		$X_{(0,25)} - Y_{(0,25)}$ [m]		Δp_t [Pa]	
		min	max	min	max	min	max	min	max
NZL-W 125	0,01227	40	100	<20	<20	6,7	16,6	10	50
NZL-W 160	0,02011	80	170	<20	21	9,9	21,0	10	50
NZL-W 200	0,03142	130	280	<20	24	12,4	26,5	10	50
NZL-W 250	0,04909	210	470	<20	27	15,3	34,0	10	50
NZL-W 315	0,07793	350	790	<20	30	19,4	43,4	10	50
NZL-W 350	0,09621	450	1000	<20	31	21,9	48,4	10	50
NZL-W 400	0,12566	600	1350	<20	33	24,9	55,7	10	50
NZL-W 450	0,15904	790	1760	<20	34	28,5	63,1	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_n [m²] – free discharge area; Δp_t [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