



Insulation thickness	050	
Nominal size	315	
Nominal length	500	
Connection type	VD2	Spigot with lip seal on both ends
Total amount	1	

CB050/315x500/VD2

Input Data

Strategy: Silencer with pod
Volume flow q_v 1 400 m³/h

Results

Airflow velocity in the airway v_s	8,4 m/s
Static differential pressure Δp_{st}	20 Pa
Air-regenerated noise $L_{W,A}$	43 dB(A)
Air-regenerated noise $L_{W,NC}$	37 dB
Air-regenerated noise $L_{W,NR}$	38 dB
Weight m	12 kg

Acoustic results

	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Air-regenerated noise, sound power level	51	47	44	42	37	31	22	< 15
Insertion Loss	1	3	6	10	15	18	19	18

Description

Circular silencers with sound absorbing pod for better acoustic performance, rigid construction, for air conditioning systems, available in 11 nominal sizes. Insertion loss measured according to ISO 7235. Casing with acoustic and thermal insulation. Optimised differential pressure due to the sound-absorbing pod with domed end upstream. Various types of connection, suitable for circular ducts to EN 1506 or EN 13180. Casing air leakage to EN 15727, class B.