

LLFA Noise Dampening Cabinet

Model

LLFA Noise Dampening Cabinet

The LLFA Noise Dampening Cabinet is designed for FAM and FAH fans and is used to dampen noise dispersion into the environment. The noise dampening cabinet is designed for indoor use, but if required, it can be adapted for placement outdoors. The cabinet is manufactured from 1.5 mm thick aluminium zinc plates and is noise insulated with polyurethane foam together with a bitumen mat to dampen structure-borne sound. This dampens noise by approx. 15 dB(A) in case of 50 mm insulation and approx. 20 dB(A) in case of 100 mm insulation.

The fan and noise dampening cabinet are supplied fully assembled with a round duct at the air inlet and outlet. The cabinet features a large door on one side to enable easy access during electric installation, service work and inspection. Sleeve couplings, clamping ribbons and noise dampers are separately available for on-site installation by the customer.

Facts

Noise dampening:	15-20 dB(A)
Insulation thickness:	50-100 mm polyurethane foam
Structure-borne noise dampening:	2,6 mm bitumenmat
Fan model:	FAM-FAH
Fan size in cabinet:	FAM 012 - FAM 063, FAH 010 - FAH 050

Design

The noise dampening cabinet is supplied complete with the fan mounted inside, ready for on-site placement. It features standard H2 air exhaust. Upon request, other special air exhaust models are available. The noise dampening cabinet is only designed to house direct drive An1 fans. The noise dampening cabinet is supplied in unpainted aluminium zinc plating, but can be supplied in custom colours upon request.



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LLFA Noise Dampening Cabinet – Specifications

Prod. No./Fan code =	LLFA	a	b	c	ddd	e
Drive type						
Direct-drive, motor trestle	Standard	1				
Belt drive, on base	Special	3				
Size						
FAM 012, 016, 020			1			
FAM 025 / FAH 010, 012, 016, 020			2			
FAM 031 / FAH 025			3			
FAM 040 / FAH 031			4			
FAM 050 / FAH 040			5			
FAM 063 / FAH 050			6			
Exhaust form						
H1	Special			1		
H2	Standard			2		
H3	Special			3		
H4	Special			4		
V1	Special			5		
V2	Special			6		
V3	Special			7		
V4	Special			8		
Air duct diameter, inlet and outlet (Nipple)						
Ø100mm					100	
Ø120mm					120	
Ø160mm					160	
Ø200mm	Max diameter for size 1				200	
Ø250mm	Max diameter for size 2				250	
Ø310mm	Max diameter for size 3				310	
Ø400mm	Max diameter for size 4				400	
Ø500mm	Max diameter for size 5				500	
Ø630mm	Max diameter for size 6				630	
Insulation thickness						
50mm	Standard					1
100mm						2

The price includes piping from the fan to the cabinet air outlet and installation of the fan in the noise dampening cabinet. Please be sure to indicate other required accessories in the estimate/order. (Sleeve couplings, clamping ribbons, etc.)