SMLD

PDF

KOOLAIR
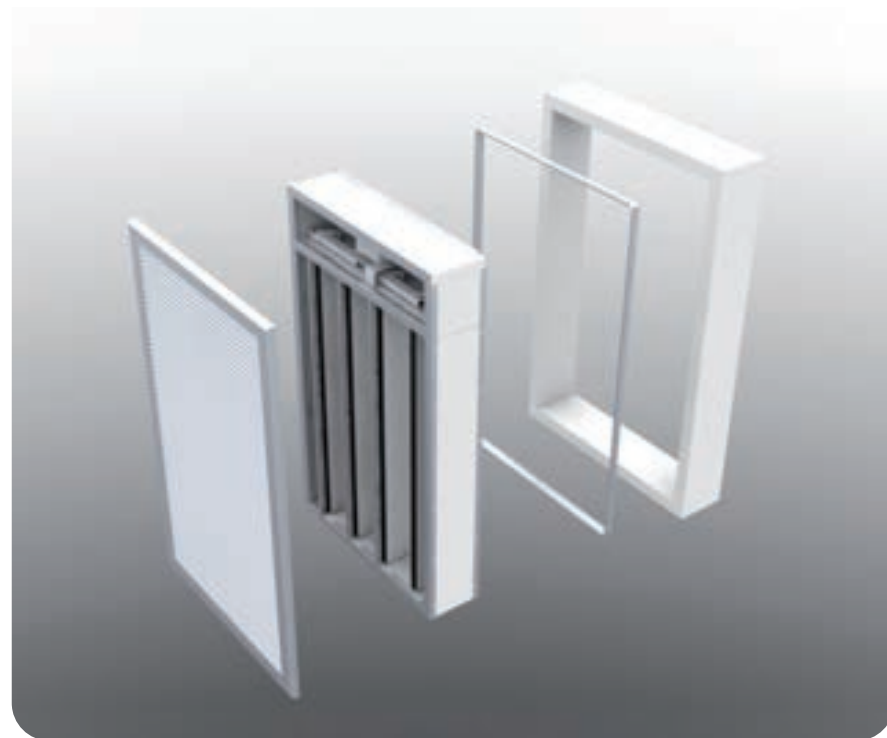
Smoke evacuation damper

Product description

Multiblade **smoke evacuation damper,** appropriate for applications in shallow ducts, EN 1366-10 approved.
Designed as per EN 12101-8 specifications.
Composed of a refractory structure, externally enclosed with steel plate; composed of various refractory blades in the passage area.
Application: by a wall- or duct-recessed mounting frame.
Front panel with specific protection grille for smoke evacuation, in anodized aluminium.
UNE-EN-1366-10 certificate.
EN 13501-4 classification:
EI 120 (ved i<->o) S 1500 AA multi.
The SMLD smoke evacuation dampers have CE Mark No. 0370-CPR-1688, in conformity with Construction Products Directive 89/106/EC, as per EN12101-8.

Dimensions

Length: 360, 530 and 700 mm
Height: 200 mm to 1000 mm, in 50-mm increments.

Operating mechanism

The operating mechanism will be incorporated in the central part of the damper.
The motor-driven operating mechanism is incorporated in the lower front part of the damper, where it is protected from smoke and high temperatures.
The smoke extract damper will be reset (closing) manually (**MN**) or by servomotor (**M BL 24/48**).
Option for opening and closing operations by servomotor (**M BLE 24/230**).
Option to incorporate position contacts in order to indicate an open or closed position.
- **FDCU** - Start and end of stroke contact.

Motor-driven smoke evacuation dampers **SMLD** can be incorporated into KOOLAIR's
KOOLCOM system for managing and monitoring fire dampers.

General dimensions

Blades	Ln	Lt	Lm	Lh
2	354	418	427	429
3	527	591	600	602
4	700	764	773	775

Unit mm
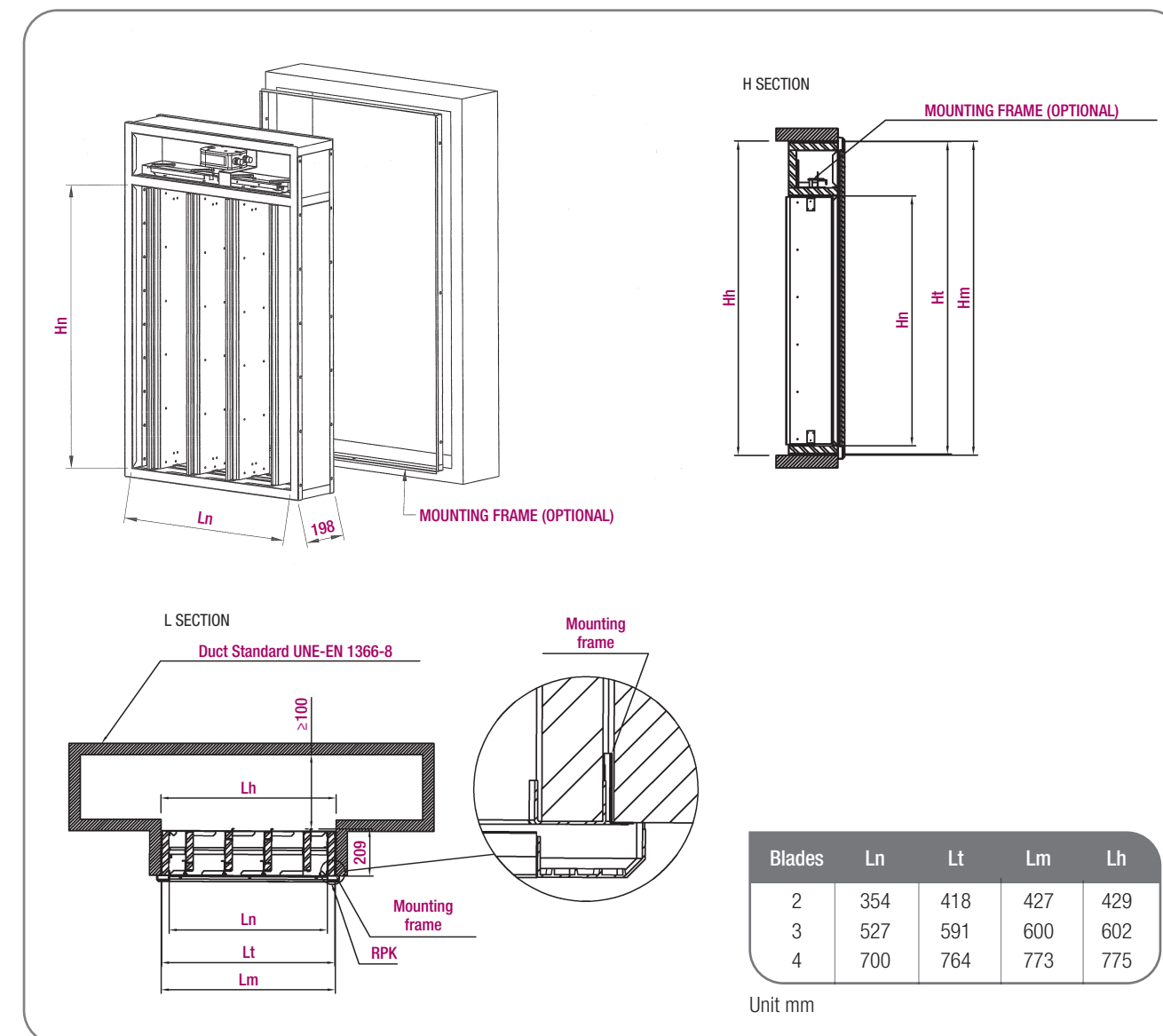
Free area (dm^2)

Blades	Ln (mm)	Height Hn (mm)																
		200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
2	354	4.9	6.1	7.3	8.5	9.8	11.0	12.2	13.4	14.6	15.9	17.1	18.3	19.5	20.7	22.0	23.2	24.4
3	527	7.3	9.2	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.8	25.6	27.5	29.3	31.1	32.9	34.8	36.6
4	700	9.8	12.2	14.6	17.1	19.5	22.0	24.4	26.8	29.3	31.7	34.2	36.6	39.0	41.5	43.9	46.4	48.8

Pressure loss ≤ 40 Pa if velocity at damper is ≤ 8 m/s

LEGEND

L = Length
H = Height
Ln = Nominal length
Hn = Nominal height
Lt = Total length

Ht = Total height
Lm = Mounting frame length
Hm = Mounting frame height
Lh = Opening length
Hh = Opening height

FORMULARY

H = Hn
Ht = Hn + 249
Hm = Hn + 255
Hh = Hn + 257