

*Louvers*



# Alara-Lukagro Louvers

Alara-Lukagro louvers offer a good protection for air intake and exhaust openings to technical installations. The louvers are suitable for commercial and industrial construction, infrastructure, offshore and the shipbuilding industry.

## Acoustic louvers

Alara-Lukagro acoustic louvers, type AL-R, provide solutions for sound attenuated ventilation openings.

### Properties

- Limited depth for built-in element.
- Low air resistance.
- Many designs possible, low maintenance and durable.
- Aesthetic added value due to identical appearance of louvers with different insulation values.

### Insulation values

Louver type	$R_w$ (C, C <sub>tr</sub> )	Louver type	$R_w$ (C, C <sub>tr</sub> )
AL-R/150	12 dB (0,-1)	AL-R/300V	20 dB (-1,-4)
AL-R/300	19 dB (-1,-3)	AL-R/600V	27 dB (-2,-7)

### Models

- Standardized and custom-made models are available.
- Sound insulation up to  $R_w$  27 dB tested in accordance with NEN-EN-ISO 140-3.
- The high-quality absorption material is fire-resistant in accordance with DIN 4102 class A2.
- Manufactured from galvanized steel, corrosion resistant steel or (seawater resistant) aluminium.
- Supplied with flange assembled in accordance with your specifications, delivered separately or without flange.
- Resistant to birds, rain and/or snow.



- In combination with ventilator plenums, multileaf dampers, fire dampers, dust-/sand traps and drip catchers.
- Model as roof hood is possible.
- In-house blasting and preservation is possible (powder coating, primer and wet paint).

Ask for our datasheets, drawings and/or specification texts for detailed technical information or download these on [www.alara-lukagro.com](http://www.alara-lukagro.com).

## *Applications*

Ask for our reference sheets about projects with specific applications, for instance acoustic louvers for technical spaces, plant rooms, engine rooms, boilerhouses, rooms for aggregates and compressors, enclosures, containers, cooling towers, power plants, air-cooled condenser units, parking garages and wind turbines.

## *Ventilation louvers*

Alara-Lukagro ventilation louvers offer a suitable solution if no acoustic requirements are set. Otherwise, properties are comparable to those of the Alara-Lukagro acoustic louvers.

Ask for our datasheets and drawings for detailed technical information or download these on [www.alara-lukagro.com](http://www.alara-lukagro.com).

## *Non-intrusive louvers*

For situations in which a high level of safety, vandalism resistance, intrusion protection or drill safety are required, the patented Alara-Lukagro louvers, type AL-R/T, are a good choice.

## *Properties*

- Suitable for transformer rooms and manufactured in accordance with the performance requirements and directives of various power companies.
- Non-intrusive, self-extinguishing, rodent-tight, and resistant to rain, snow and dust.



- Resistant to vandalism.
- Blades grounded to frame due to metallic unity.
- Aesthetic added value due to a seamless integration with facade/door.
- Many designs possible, durable and low maintenance.
- Patented louver elements.

Louver type	Net free opening	Louver type	Net free opening
AL-R/THA30	30%	AL-R/TVA30	30%
AL-R/THA47	47%	AL-R/TVA42	42%
AL-R/THA54	54%		

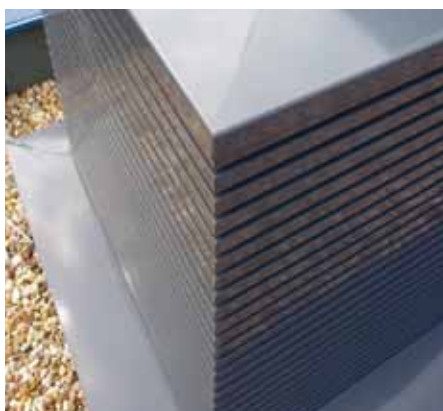
## Models

- Standardized and custom-made models are possible.
- Fire resistance >60 minutes tested in accordance with NEN 6069 / NEN-EN 1634 (60 min. WBDBO).
- Manufactured in aluminium and steel.
- Louver blades (built-in/built-on) and frame are completely welded.
- Can be combined with non-ventilating blind louver elements.
- Model as roof hood is possible.
- Can be manufactured as complete louver facade.
- In-house blasting and preservation is possible (powder coating).

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## Applications

Ask for our reference sheets about projects with specific applications, for instance non-intrusive louvers for high-, medium- and low voltage areas, transformer- and switching stations, plant rooms, transformer substations for gas, gas storage spaces, engine rooms and rooms for compressors, emergency power supply aggregate (NSA) rooms, parking garages, prefab enclosures and non-intrusive louvers for offshore applications.



Subject to change without notice.

# Quality guaranteed

## Custom-made and specials

Whether you are searching for standard louvers or custom-made louvers, with over 40 years of experience, we are able to produce the most varied and exceptional projects for you.

## Guarantee and quality

Alara-Lukagro designs, manufactures and preserves the products in-house. This way, the entire process can be controlled and we are able to offer you a high degree of quality, user-friendliness and a good price-quality ratio.

Alara-Lukagro is ISO 9001 and ISO 14001 certified. As a result, the durability of all materials that are used can be guaranteed. All product-specific properties are secured due to extensive testing in laboratories in accordance with international standards (for instance NEN, EN and ISO) and are supported by certificates.

## Service and assembly

Alara-Lukagro offers total solutions, ranging from advice and design to production and assembly. Delivery and assembly is possible around the world. Our installers are VCA (Safety Checklist Contractors) and NOGEP A certified.





## WORLDWIDE DELIVERY AND IMPLEMENTATION

Enclosures and walls ▪

Doors ▪

Silencers ▪

**Louvers** ▪

Vibration isolators ▪

Room acoustics ▪

Blasting and preservation ▪