
KOKON
heliair

FLEXIBLE AND CLEAN







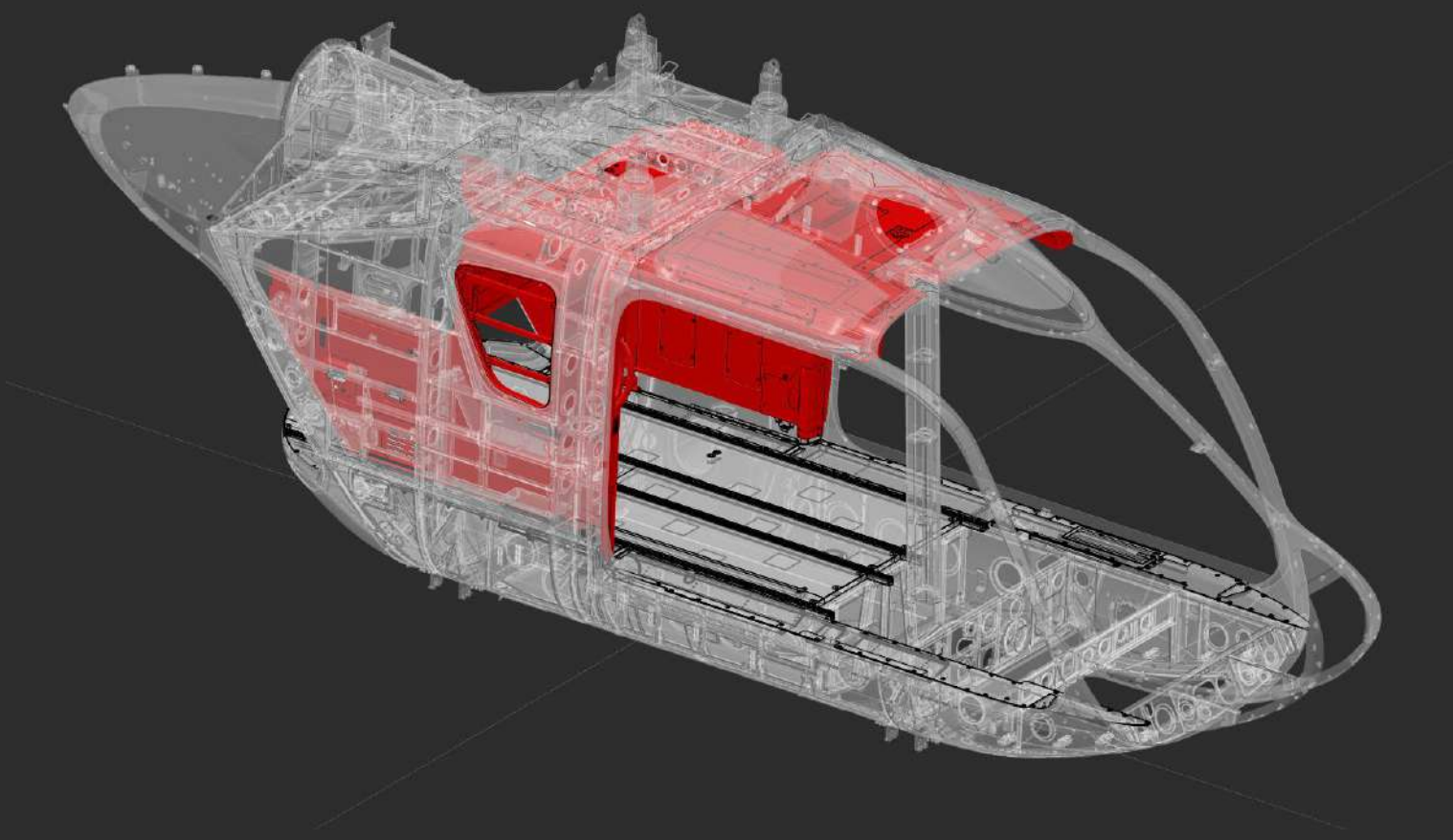


KOKON helicair

The patented design of **Kokon** represents not only efficient conversions and the highest degree of individualism; it also sets new standards for aesthetics and elegance. The smooth walls of the cladding allow the interior of the helicopter to seem even larger. The minimalist design of its closed surface ensures both a stylish and a functional impression. In addition, the lighting design simplifies working in the helicopter and the intelligent construction makes maintenance work easy. The Multi-Purpose Interior Lining named **Kokon** replaces the standard interior Panels from AHD with the advantage of carrying different loads straight on the panels. **Kokon** is a perfect interior for EMS Operators or EMS equipment manufacturer to hook up the medical devices in dedicated retainers to meet the EASA requirements for certification issues. **Kokon** also can be used by police, camera helicopters, and special mission helicopters to set up their mission equipment. HeliAir will provide all design data needed for the equipment manufacturers to set up their own retainers. **Kokon** can be combined with the standard floor of AHD, the EMS Floor from AHD and the floors from all EMS equipment providers. The configuration of a helicopter equipped with Kokon can be changed to suit EMS, police, VIP or other needs, without significant effort. This is a unique advantage, especially when transferring/selling the helicopter to another operator.

HeliAir Engineering Order

25-001



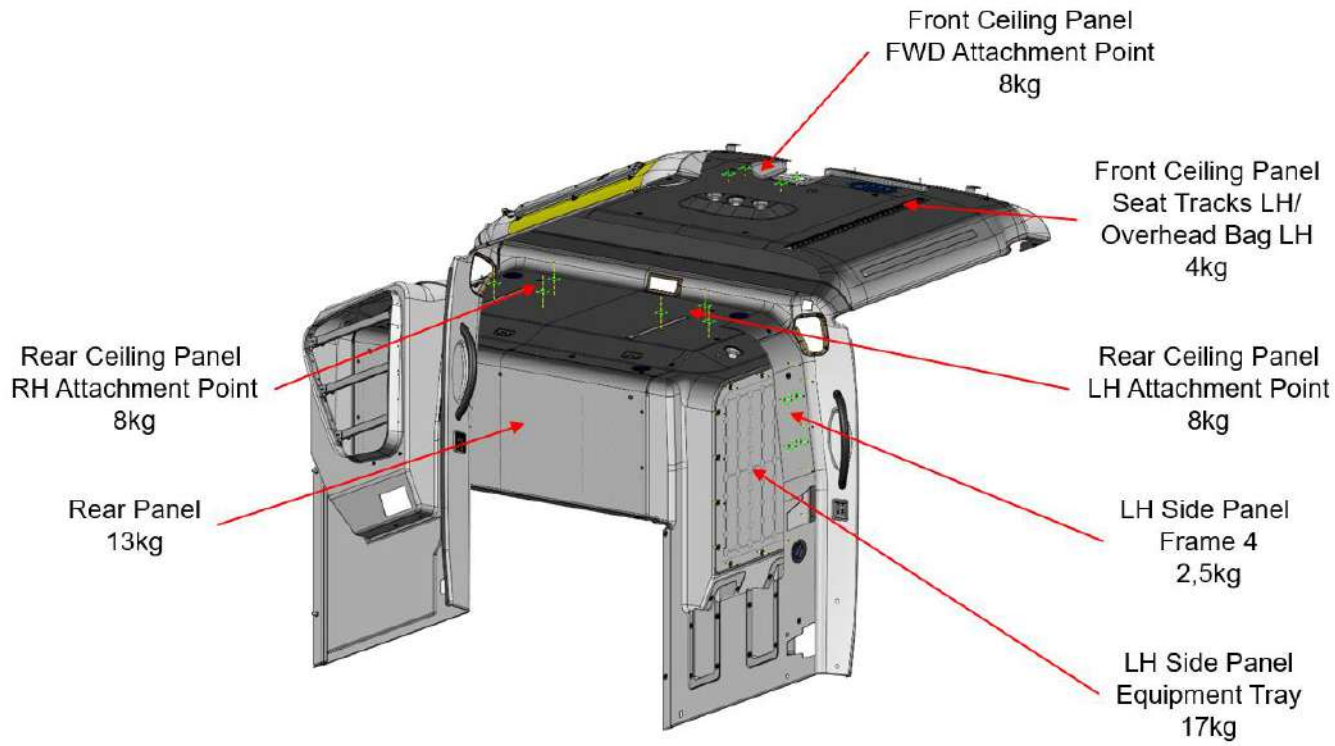
MULTI-PURPOSE INTERIOR LINING

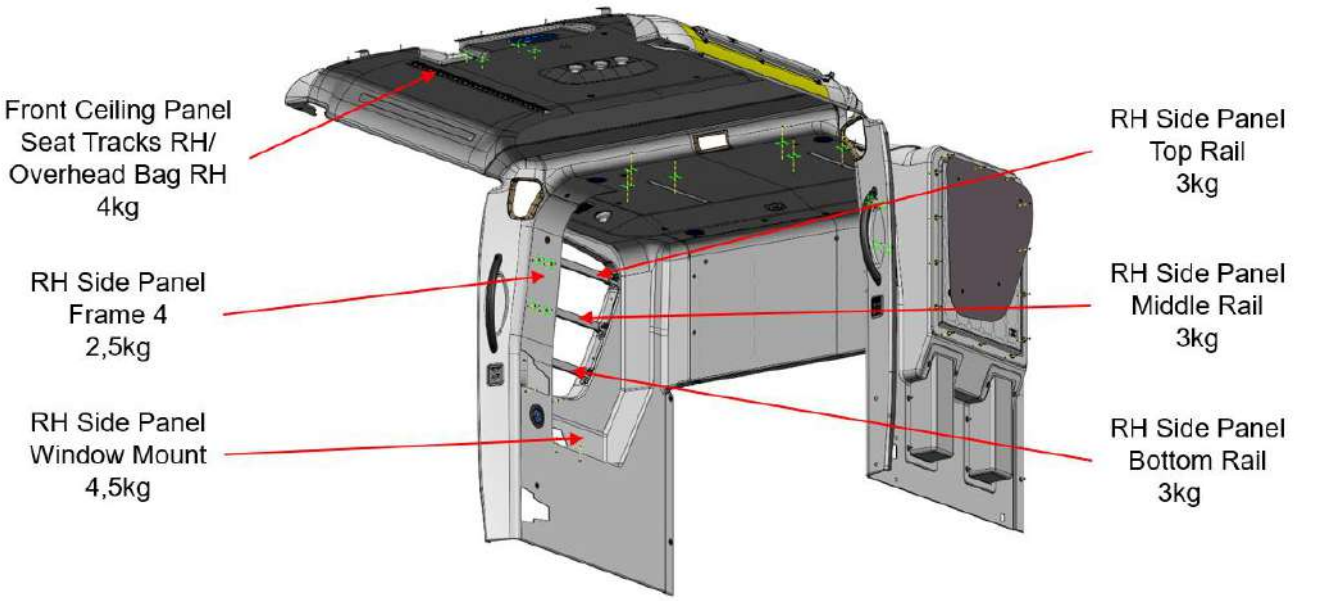
EC135 SERIES

KOKON heliair

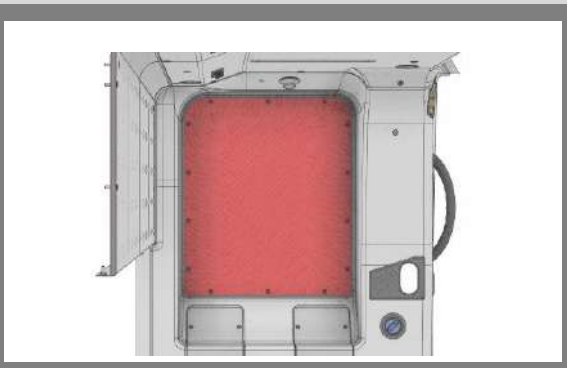
LAYOUT CONFIGURATION

The **HeliAir Kokon** features several practical options to mount mission equipment, therefore a very **flexible configuration** of the equipment layout is possible.



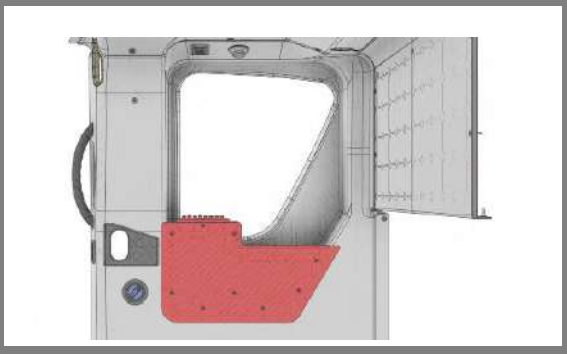


OPTIONAL EQUIPMENT



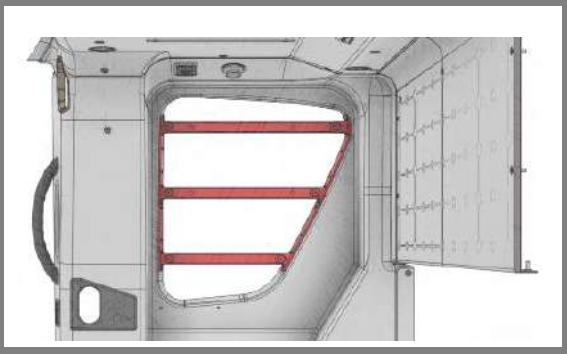
Equipment Tray – LH

The Equipment Tray replaces the LH window and can hold up to 17kg of payload, the position(s) of installed equipment can be chosen freely on the integrated matrix, the same mounting system as used on the rear panel.



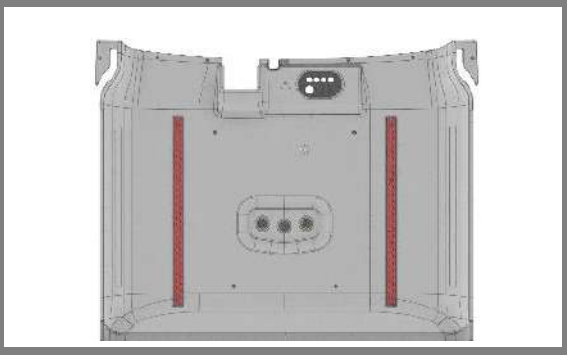
PAX Intercom System – RH

This installation position of the PAX Intercom Panel offers a conveniently reachable position and an optional storage space for the crew member or passenger in the cabin.



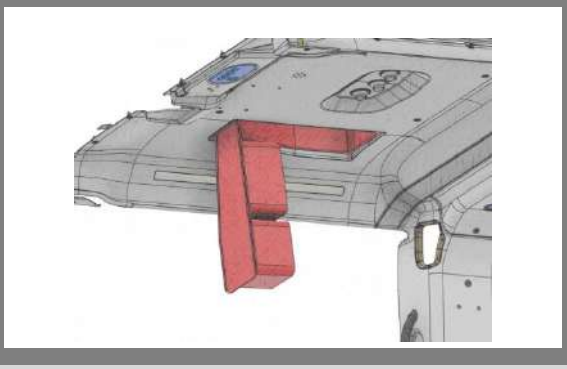
Attachment Brackets – RH

The Attachment Brackets in the RH window hold standard rails for mounting medical and mission equipment with a maximum weight of 3kg per rail. The rails can be removed without tools. A customized honeycomb panel for this position (eg. for oxygen etc., max. 15kg) is available on request.



Overhead Rails - LH/RH

The Kokon Overhead Rails are mounted to the Front Ceiling Panel and provide 4kg of freely movable payload on each side.



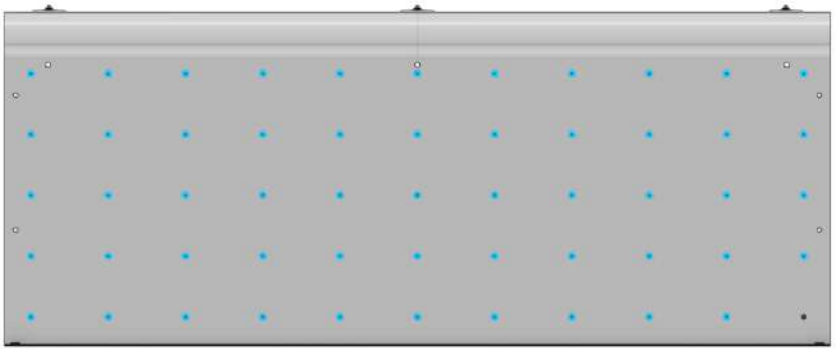
Overhead Bag - LH/RH

The Kokon Overhead Bag makes use of the additional space in the ceiling of EC135 T3H/P3H versions. It can be installed to two positions (RH and LH) on the Front Ceiling Panel, replacing the rails. It is opened via zipper and folds downwards in a convenient position for the crew in the cabin. The bag layout is fully customizable and offers a payload of max. 4kg / 10 liters.

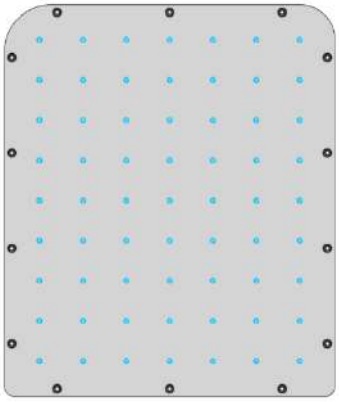
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MATRIX MOUNTING SYSTEM

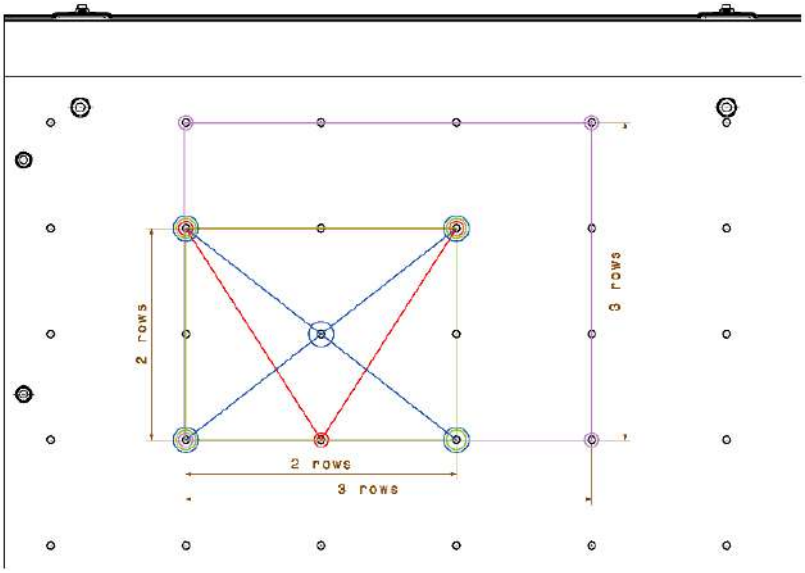
KOKON offers a variety of installation positions. On the **Rear Panel** and on the **Equipment Tray** a standardized matrix of positions is used, for which 3rd party equipment manufacturers can easily design custom mounting systems. This special mounting system **eliminates the need for additional structures**, maybe even riveted to the helicopters frame, for installing equipment. Depending on the weight of the installed equipment, **different raster positions**, shown in the figures below, are used. Those positions can be applied to the matrix in accordance with the instructions in the system maintenance manual, only a **maximum weight and CoG-limit** are given. This approach allows **more flexibility** when the cabin equipment needs to be upgraded or exchanged. No more changes to the airframe or cabin are required.



Rear Panel Matrix



Equipment Tray Matrix



Matrix mounting options for different weights on the rear panel

NUMBERS, FACTS AND DATA

- **Load-carrying composite interior structure** without unnecessary weight
- **85,5kg** total payload capacity directly on the interior lining
- **Easy and fast change** of equipment configuration
- Integrated high **quality bright interior lighting**
- **Increased cabin space** due to direct-mounting on interior paneling

WEIGHT

Installed Weight:	+ 35,0kg (depends heavily on configuration)
Removed Weight:	- 18,5kg (AHD standard interior lining)
Overall Added Weight:	**+ 16,5kg**

COLOR

The interior is coated with FST-Topcoat Antimicrobial 346-56 (light grey).
Different color schemes are available on request.

MATERIAL

The panels are made from CFRP with Aramid surface layer for increase passenger safety, aluminum mounting-system.

LIGHT

Integrated, dimmable LED-Light (3700K, daylight) according to EN13718
Front and rear lighting separately switchable and dimmable, auto-off and dimming phase memory.

SOUND

Optional Soundproofing of the Front and Rear Ceiling Panel reduces the sound level in the cabin by approx. 2dB (compared to the AHD standard cabin)

CERTIFICATION

EASA STC 10063854, any other certification will be performed if requested. Kokon will be delivered with EASA Form 1

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NUMBERS, FACTS AND DATA

PRODUCTION

The Kokon interior lining is manufactured by HeliAir. The carbon fiber components are produced by our supplier via state-of-the-art autoclave processes. Final assembly and customizing is performed at HeliAir facilities in Austria.

ENGINEERING SUPPORT

- Design data for mounting gages and attachment structure.
- Development of solutions for customized interiors.
- Retrofit solutions for optional equipment.
- Design criteria and additional documentation for development of retainers.

LEAD TIME

In general, the lead-time after order confirmation is within 6 months, if there are no changes in the design of the airframe by AHD and no customizations to the Kokon.

SHIPMENT

- Cratering
- Shipment Forwarder
- According Incoterms Ex-works

INSTALLATION AT CUSTOMER

- Electrical Installation: approx. 50mhrs
- Mechanical Installation: Installation Team from HeliAir in the FAL approx. 100mhrs

SPARE PARTS

- For Standard parts (e.g. LED, Handle, attachment material) on stock according market need. Delivery within one week.
- Not standard parts 6 months lead time

PRICING

- On demand, depending on configuration - EASA Certified
- On demand, depending on configuration - certified for any other National Aviation Authority

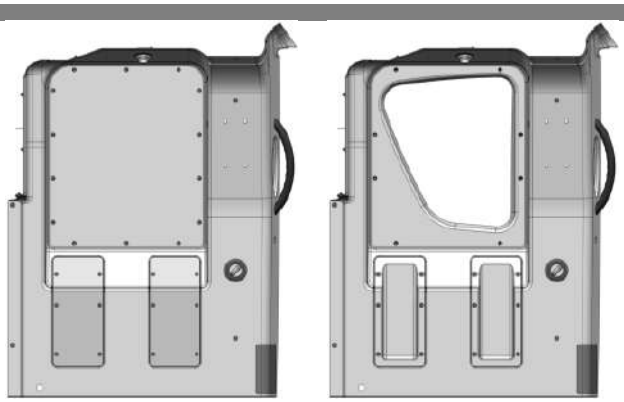
INTELLECTUAL PROPERTY

- Kokon is HeliAir Property and patented

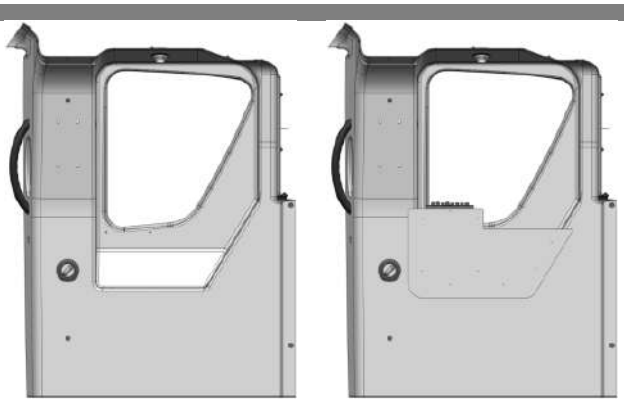
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CONFIGURATION OF ASSEMBLIES

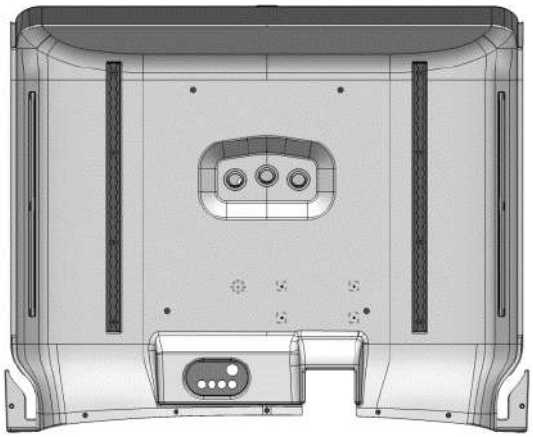
- **LH Panelling Assy** **P/N 25-001-100-000**
- **RH Panelling Assy** **P/N 25-001-200-000**
- **Rear Panelling Assy** **P/N 25-001-300-000**
- **Rear Ceiling Assy** **P/N 25-001-400-000**
- **Front Ceiling Assy** **P/N 25-001-500-000**
- LH Rear Cargo Panel P/N 25-001 350-000
- RH Rear Cargo Panel P/N 25-001-360-000
- Mounting System P/N 25-001-600-000
- Mounting System HLX P/N 25-001-690-000
- Electrical Interface P/N 25-001-700-000
- Optional Equipment P/N 25-001-800-000



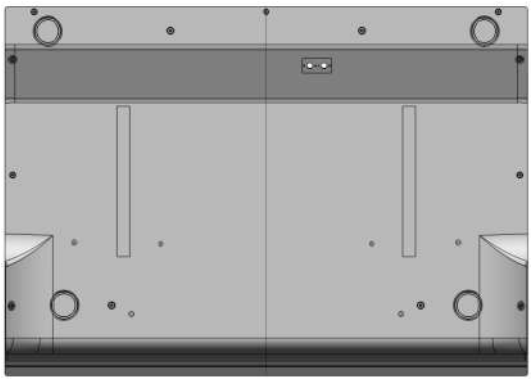
LH Panelling Assy



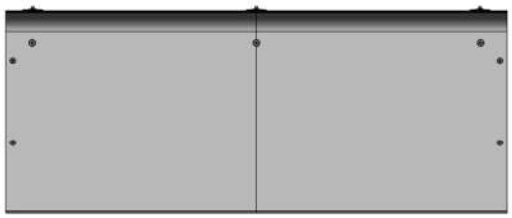
RH Panelling Assy



Front Ceiling Assy



Rear Ceiling Assy



Rear Panelling Assy

NOTES / ADDITIONAL INFORMATION

Design: AP-112

Production: AT.21G.0014

HeliAir Part 21

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All errors and misprints reserved. Innsbruck, June 2022.