

HÄNEL - Checklist for Lean-Lift Safety Signs

Lean-Lift for assembly, service and annual safety check

Use of the lift without a full set of warning signs is prohibited.

Prior to assembly or service work and before making modifications to the system, always check that all signs are present. Missing signs must be replaced. Please contact the factory if you have any questions about the required signs or their correct locations.

Please also refer to the enclosed EC Declaration of Conformity/EC Manufacturer's Declaration and the manufacturer's order confirmation enclosed in the Technical Documentation.

CAUTION: Before applying signs, please ensure that the main switch and, where applicable, the service door switch, are switched off and locked. In the case of external voltage (multi-unit network), or before working on the terminal blocks, the mains power supply must be disconnected to ensure that no electrical voltage is present. The terminal blocks are under power even when the main switch is turned off!
Cables or other parts must not be damaged.

For certain signs, the owner/operator must provide additional instruction in accordance with the Operating Manual in the Technical Documentation (for example for remote-controlled lift operation).

The yellow signs designated with the word "Old" no longer correspond to today's state of technology (ISO 38642:2004-10).

If significant conversion tasks are performed (CE Mark required), these signs have to be replaced by the current signs in order to issue an inspection sticker.

During yearly safety inspections, it must be noted in writing in the F-SICHB3 if there is need to replace/update signs.

These replacements/updates are the owner/operator's responsibility.

If there are no suitable holes in the carousel components, the signs can be attached using KBS 10020 instant glue (available from Hänel) or an equivalent adhesive.

Com. No.: _____

The following signs must be present at all times:

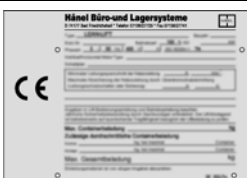
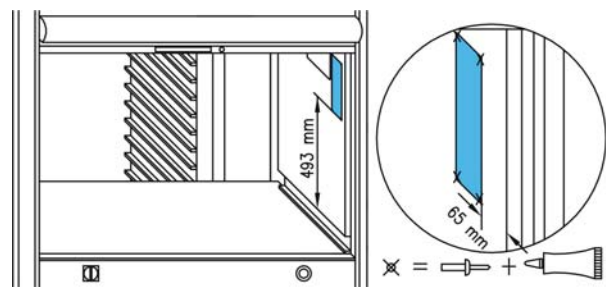


Brief operating information

At every access point.

07 100 171/1

Old



Type plate including CE

Only below the first access point (with main switch directly below the access point)

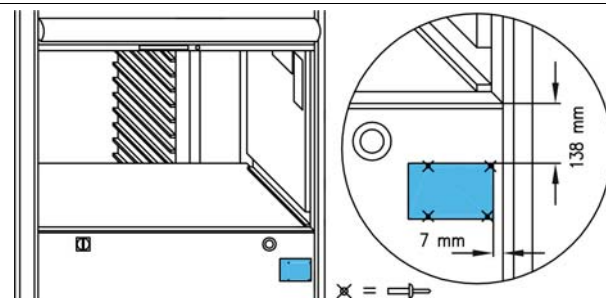
07 100 252

In EEA with CE Mark, outside of EEA without CE mark.

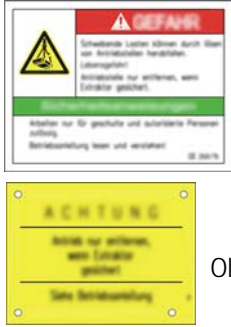
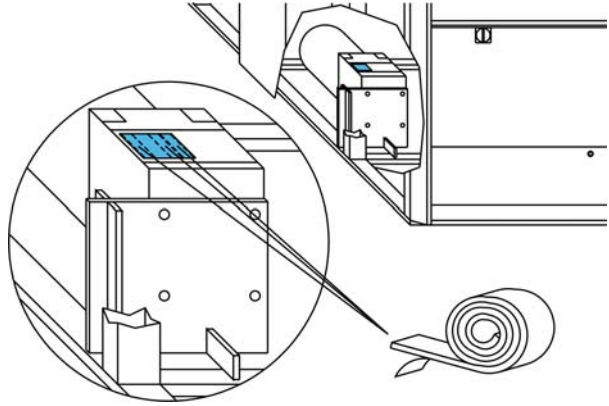

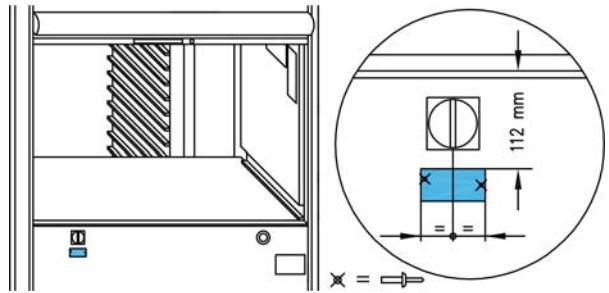
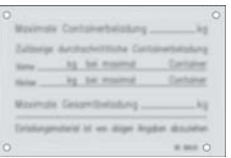
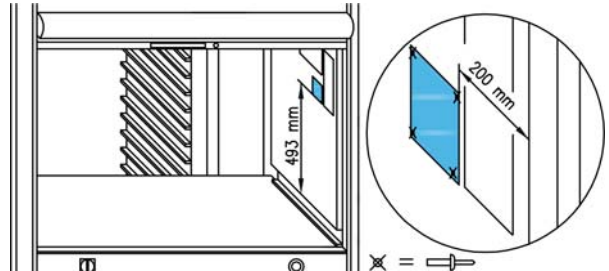

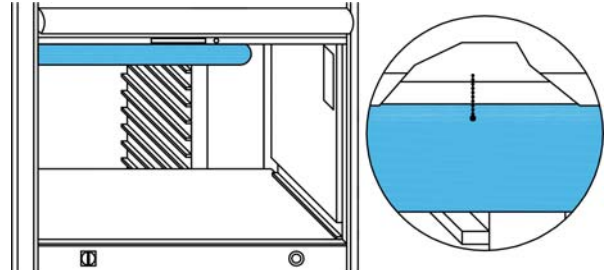
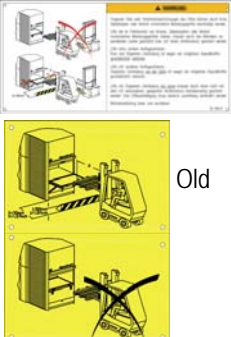
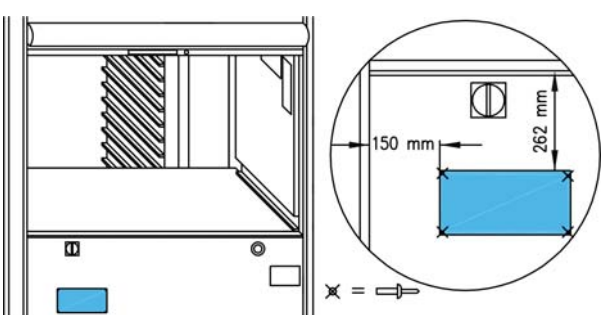
CE does not apply if EC Manufacturer's Declaration present

When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.


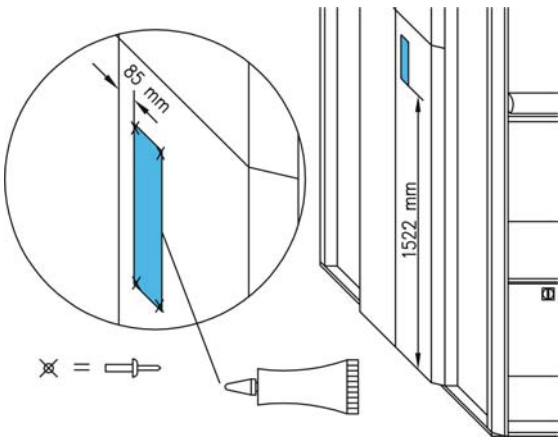
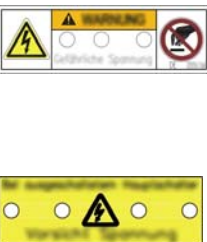
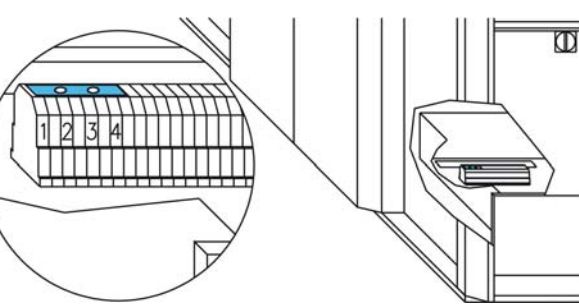

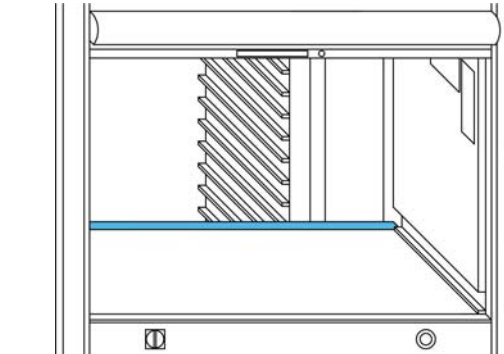

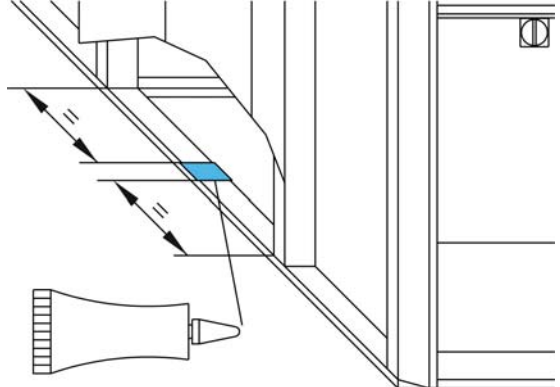
The additional sign is identified by a * behind the commission number.



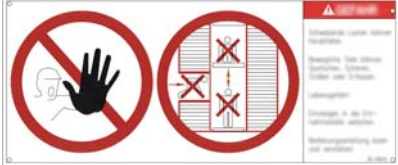

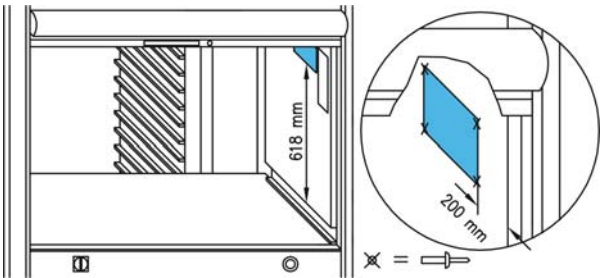


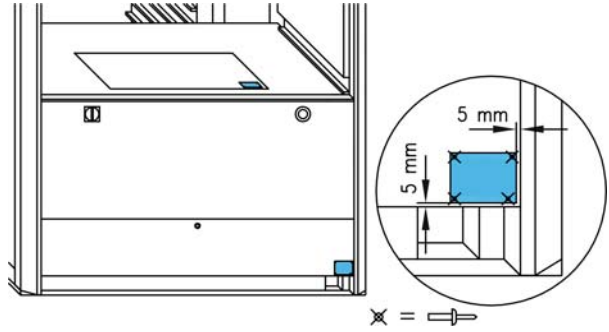
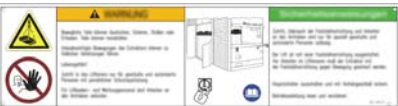
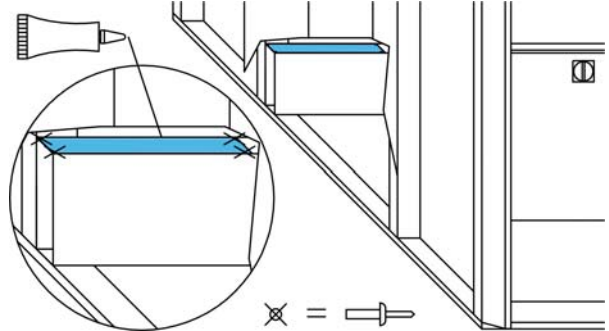

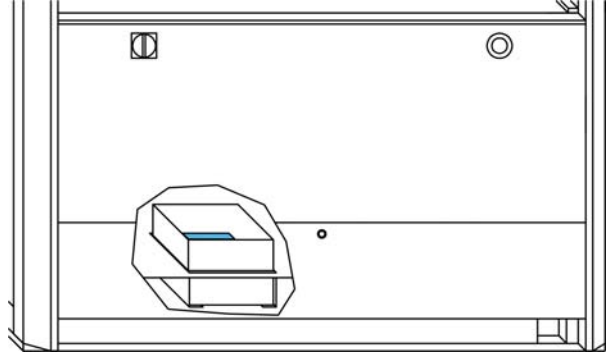
HÄNEL - Checklist for Lean-Lift Safety Signs

	<p>Safety instructions for drive On vertical motor or gear unit 07 100 260 For retrofits, new operating manual MANL-LL is required.</p>	
	<p>Main switch Near every main switch 07 100 261 When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling. Caution! When mounting signs, always be sure not to damage cables or parts.</p>	
	<p>Container loading At every access point. 07 100 264</p>	
	<p>Do not enter Hanging in every access point 07 100 313 Type 840 -> Sign length 810 mm (31.89") >Type 840 -> Sign length 1100 mm (43.31")</p>	
	<p>Forklift loading prohibited/allowed (as per DRAWS/LL-PRALL) At every access point. For lifts without / with guide rails 07 100 395/1 For ejection point with safety slider 07 100 395/3 For ejection point with side roller 07 100 395/4 For ejection point with safety light curtain 07 100 395/5 When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	

HÄNEL - Checklist for Lean-Lift Safety Signs

 <p>Old</p>	<p>Safety instruction for standard version service door</p> <p>On the inside and outside of the service door</p> <p>07 100 396/1</p> <p>For retrofits, new operating manual MANL-LL is required.</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	
 <p>Old</p>	<p>Voltage at terminal block</p> <p>In switch tray drawer: at mains power cable, additional with undervoltage tripping device, with network connection MP 100</p> <p>07 100 399</p> <p>Caution! If attaching the sign after the initial installation, disconnect the system from the mains power supply. The terminal blocks are under power even when the main switch is turned off!</p>	
	<p>Yellow/black marking tape</p> <p>Applied at every access opening at top and bottom</p> <p>07 100 408 /4</p>	
	<p>Outside panelling</p> <p>Inside on the bottom frame on the side of the vertical drive.</p> <p>07 100 414</p>	

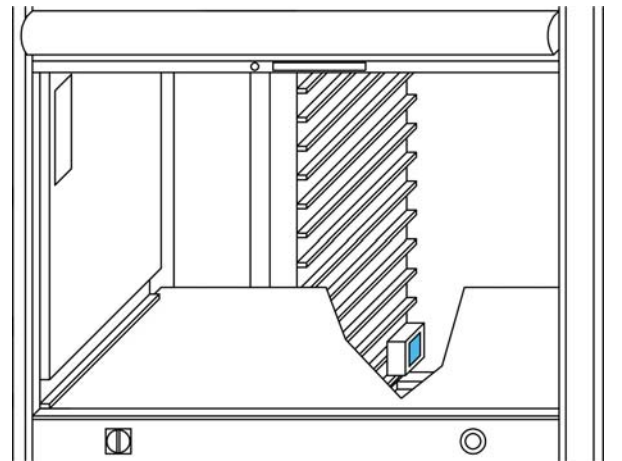
HÄNEL - Checklist for Lean-Lift Safety Signs


 <p>Prohibition sign for access point and extractor</p> <p>On right side of every access point; additionally, larger type 1860 on left 07 100 418</p> <p>Old</p> 	
 <p>High voltage warning arrow</p> <p>From below on the key panel, on the switch tray drawer and on the electrical tray cover.</p> <p>07 100 419</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p> <p>Caution! When mounting signs, always be sure not to damage cables or parts.</p> <p>Old</p> 	
 <p>Safety instructions for locking device</p> <p>On locking device case.</p> <p>07 100 441</p> <p>For robot operation, additionally on service door below 07 100 396.</p>	
 <p>Frequency converter</p> <p>In wiring cabinet drawer: as sticker on every Mitsubishi frequency converter.</p> <p>07 100 442</p> <p>Caution! When installing the stickers, no operating element or existing label may be covered up.</p>	

HÄNEL - Checklist for Lean-Lift Safety Signs



Mains power line high voltage warning arrow
As adhesive label on the mains terminal box.
07 100 443



The following signs, which are marked with , must be installed on an order-specific basis:



Interconnected Lean-Lift

For multiple lifts with shared service doors

- a) At service door
- b) At access opening with main switch at main switch

07 100 310

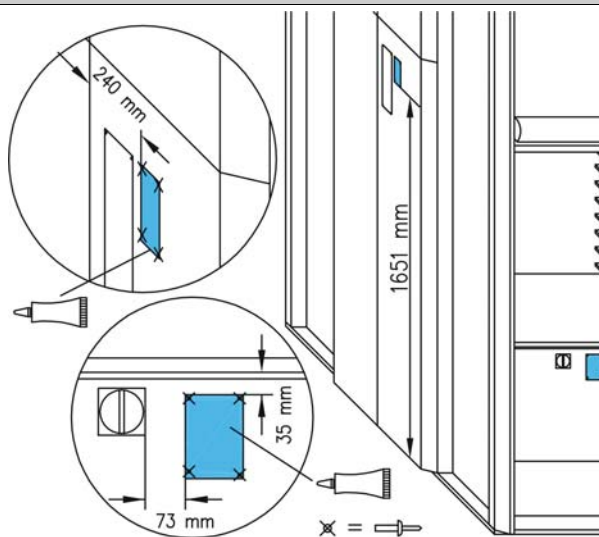
Caution! When mounting signs, always be sure not to damage cables or parts.

For retrofits, new operating manual MANL-LL is required.

When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.



Old



Safety instruction Service doors at special height

including danger of falling

At the service door, inside and outside, if access not at ground-level.

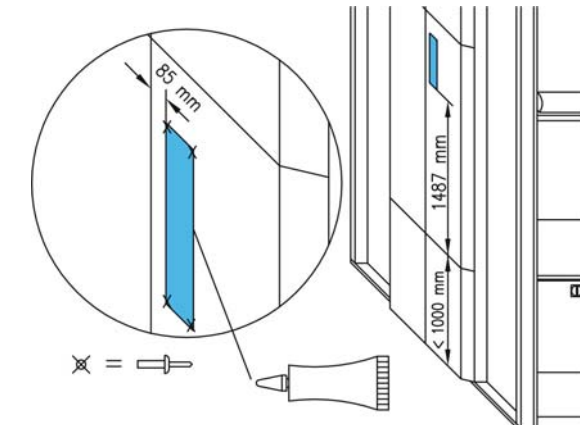
07 100 312

(Standard service door not applicable)



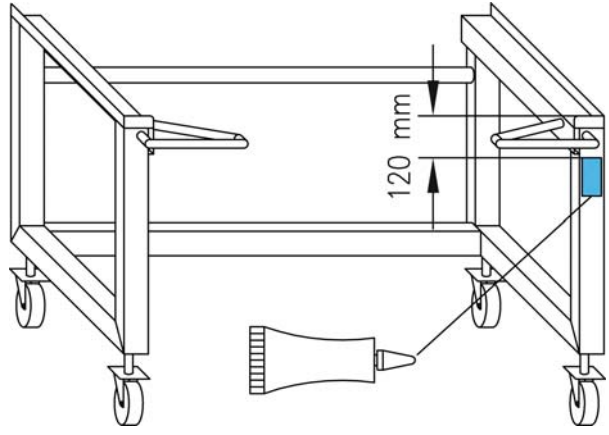


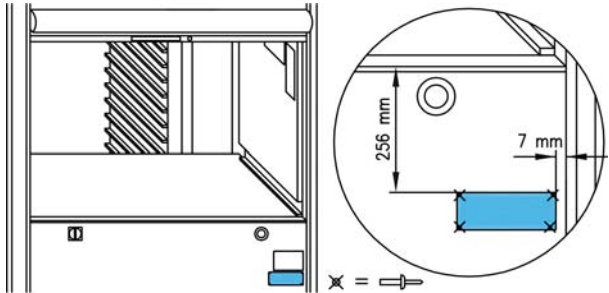


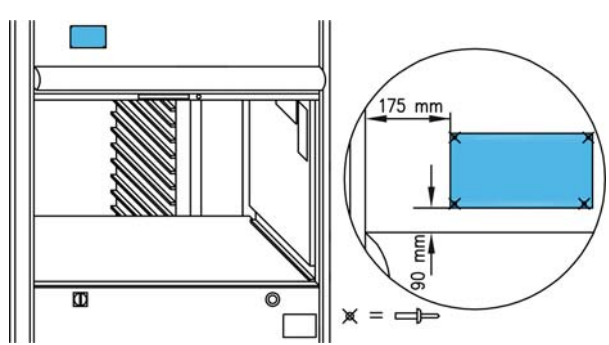

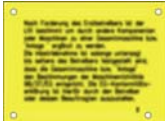
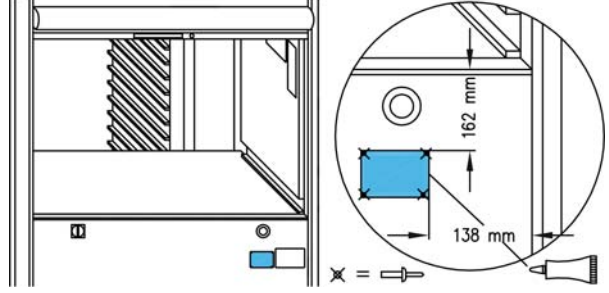


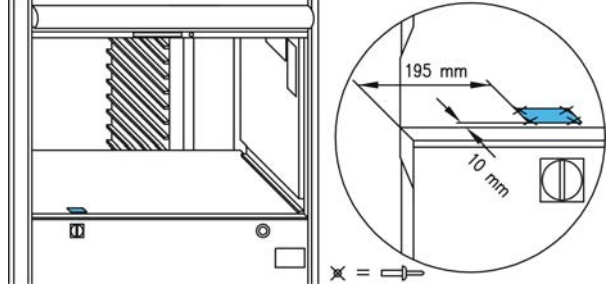
For retrofits, new operating manual MANL-LL is required.

When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.



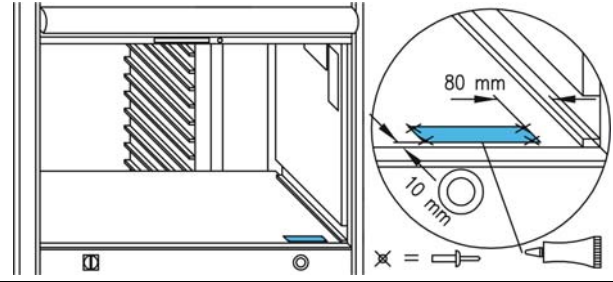

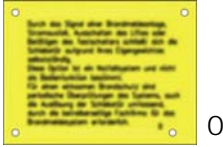
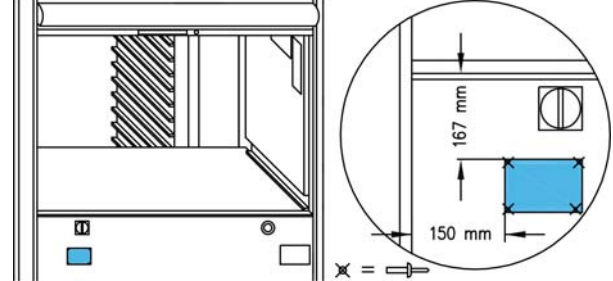


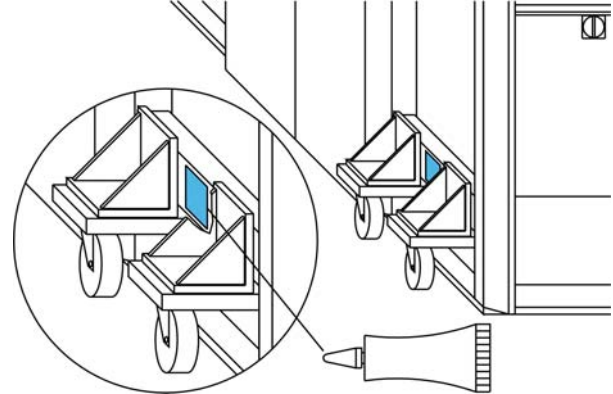


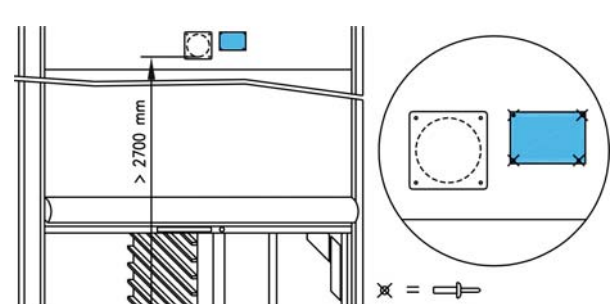
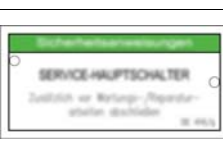
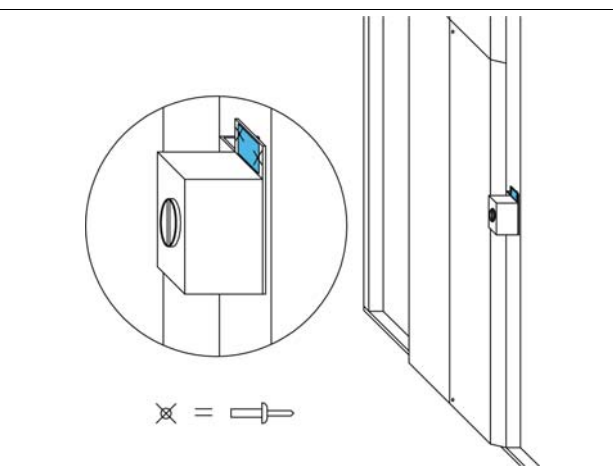
Old




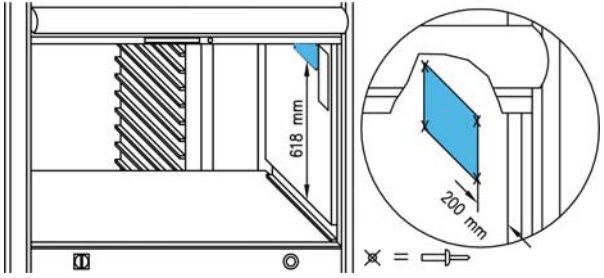

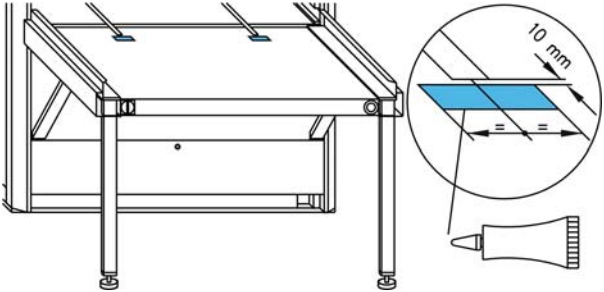

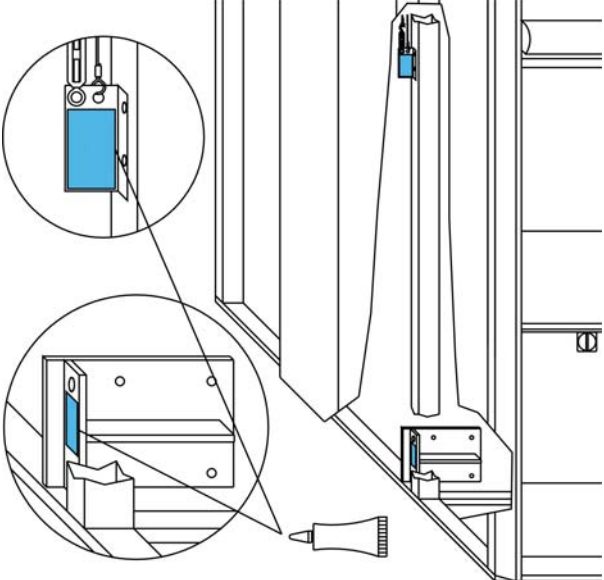

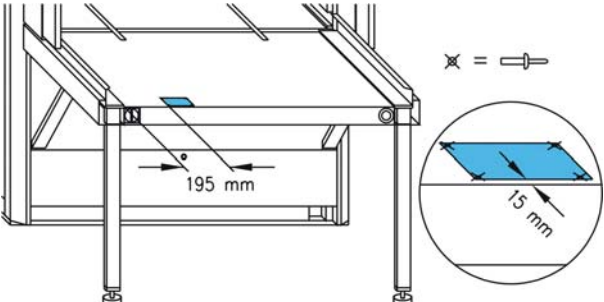

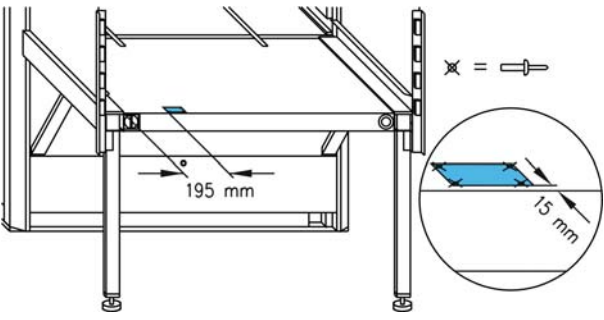
HÄNEL - Checklist for Lean-Lift Safety Signs

 	<p>Transport cart operation</p> <p>On every transporter at front right</p> <p>Up to 500 kg (1102 lbs.) and <type 1640 07 100 319 /1</p> <p>Up to 500 kg (1102 lbs.) and width >=type 1640 07 100 319 /2</p> <p>Up to 500 kg (1102 lbs.) 07 100 319 /3</p>	
 	<p>Safety instructions for wire mesh</p> <p>For wire mesh version. At every access point. 07 100 372</p>	
 	<p>Remote-controlled lift operation (as per DRAWS/Remote)</p> <p>At every access point.</p> <p>Without special safety equipment 07 100 397/1</p> <p>With special safety equipment 07 100 397/2</p> <p>With robot operation 07 100 397/3</p> <p>For retrofits, operating manual MANL-LL-EXT is required. When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	
 	<p>EC Manufacturer's Declaration</p> <p>Only at access opening with type plate (CE Mark not applicable with identification plate)</p> <p>Within EEA, Switzerland and Turkey 07 100 400/1</p> <p>Outside of EEA, Switzerland and Turkey 07 100 400/2</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	
 	<p>Antistatic earthing</p> <p>For version with antistatic earthing. At every access point. 07 100 401</p> <p>Caution!When mounting signs, always be sure not to damage cables or parts.</p>	


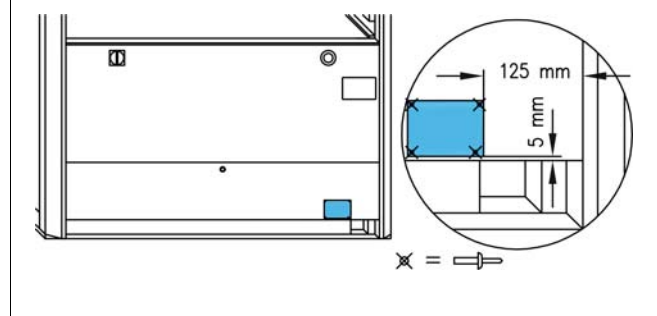
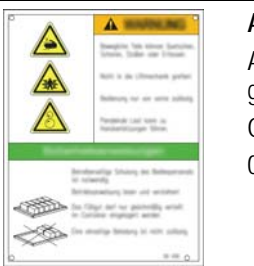
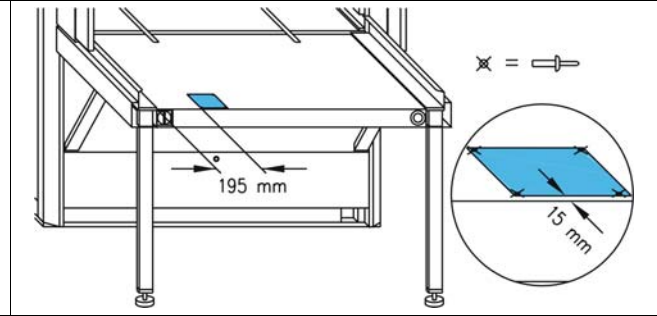

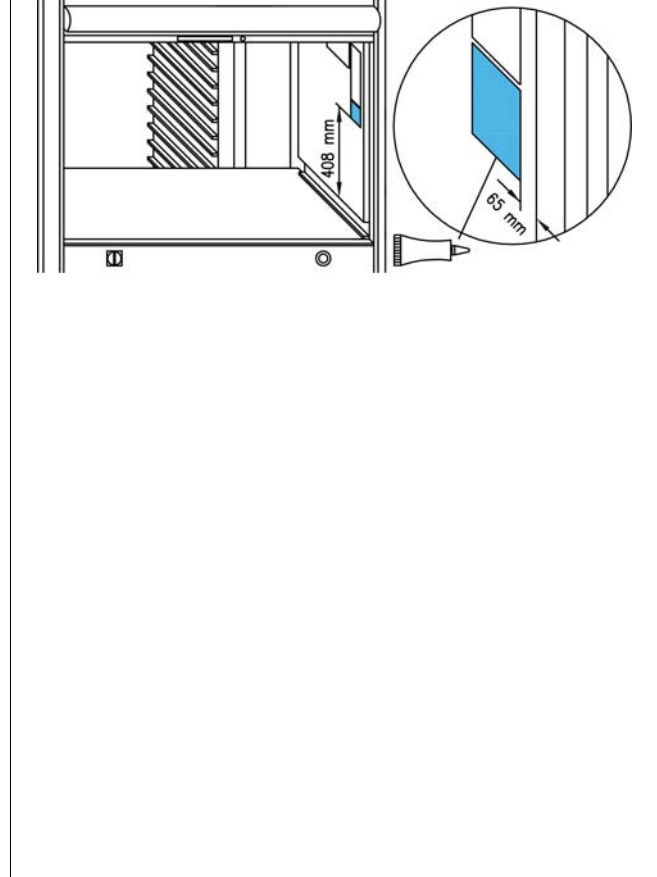

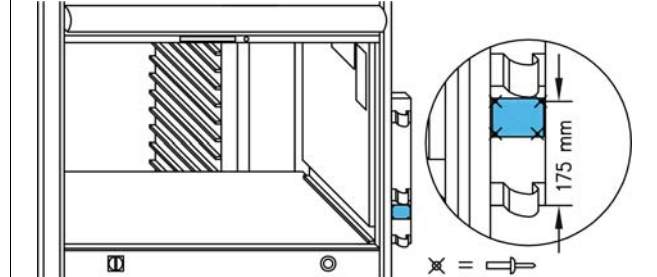
HÄNEL - Checklist for Lean-Lift Safety Signs

 	<p>Weighing device</p> <p>At every access point with weighing device.</p> <p>07 100 402</p> <p>Caution! When mounting signs, always be sure not to damage cables or parts.</p>	
 	<p>Automatic closing door</p> <p>For fire protection version.</p> <p>At every access point.</p> <p>07 100 403</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	
 	<p>Lifting gear with castors</p> <p>At every side part on the flat steel support between the supports for the lifting device.</p> <p>07 100 407</p>	
 	<p>Openings in housing</p> <p>With openings in housing height ≥ 2.7 m (106.3") from access level.</p> <p>At every opening.</p> <p>07 100 411</p>	
	<p>Main service switch</p> <p>At every main service switch, if the first access point with main switch is separated from the switch tray or service door.</p> <p>07 100 416</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	

HÄNEL - Checklist for Lean-Lift Safety Signs

	<p>Enlarged access opening</p> <p>At every access opening with access height ≤ 665 mm (26.18") and access opening ≥ 1190 mm (46.85"), or ground-level loading, on the right, and additionally on the left for types greater than 1860, of every opening.</p> <p>07 100 417</p>	
	<p>Automatic container ejector Hand injury warning</p> <p>At every automatic ejector. Centred to each ejector chain.</p> <p>07 100 420</p>	
	<p>Safety rope</p> <p>At motor carrier plate and bracket for safety rope turnbuckle</p> <p>07 100 421</p>	
	<p>Automatic container ejector with safety slider</p> <p>At every ejector with safety slider for types less than 2860.</p> <p>On cover plate.</p> <p>07 100 422</p>	
	<p>Automatic container ejector with side access protection</p> <p>At every ejector with side access protection for types less than 2860.</p> <p>On cover plate.</p> <p>07 100 423</p>	

HÄNEL - Checklist for Lean-Lift Safety Signs




	<p>Safety instructions – non-EU</p> <p>On wiring cabinet drawer for delivery outside of EEA, Switzerland and Turkey.</p> <p>07 100 427</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	
	<p>Automatic container ejector</p> <p>At every ejector of types greater than 2460.</p> <p>On cover plate.</p> <p>07 100 430</p>	
	<p>Supplement to the Short operating instructions</p> <p>In the access point below the Short operating instructions sign.</p> <p>For guide rails or transporters with 1000 kg (2205 lbs.) load or >type 2460. 07 100 433/1</p> <p>For container version for cable drums. 07 100 433/2</p> <p>For flooding the lift with any medium other than that in the lift environment. 07 100 433/3</p> <p>For lift climate control in standard temperature range. 07 100 433/4</p> <p>For lift climate control +40°C to +50°C (+104° to +122°F). 07 100 433/5</p> <p>For lift climate control +50°C to +60°C (+104° to +122°F). 07 100 433/6</p> <p>For lift climate control 0°C to +50°C (+104° to +122°F). 07 100 433/7</p> <p>For lift climate control 0°C to -20°C. 07 100 433/8</p> <p>For drying the inside of the lift. 07 100 433/9</p>	
	<p>Varioarm system type plate</p> <p>For Varioarm system.</p> <p>At every access point.</p> <p>07 100 438</p>	

HÄNEL - Checklist for Lean-Lift Safety Signs

The standard operating manual also covers: Flooding with nitrogen, extinguishing nozzles
Special Operating Instructions are required for temperatures <5°C or >40°C (<41°F or >104°F)



All signs present/installed. Name of technician/service: _____ Signature: _____

	CA glue KBS 10020
	Aluminium blind rivets 2.4 x 5.1 mm (0.095" x 0.201") (Aluminium blind rivets 2.4 x 9.3 mm (0.095" x 0.366") for sign 07 100 396, 07 100 312) required tools: hand riveter, HSS drill bit ø 2,9 mm (0.114")
	Double-sided adhesive tape, 19 mm (0.748") wide