



QUADRO-LIFT "PREMIUM"

Sogn Arena – Mercedes-Benz
Oslo, Norway

Quadro-Lift for transportation of premium vehicles...



Quadro-Lift to transport vehicles to another floor

[Leading importer of Mercedes-Benz](#)

In December 2007 the NUSSBAUM Quadro-Lift, PREMIUM type, was installed in the showroom of the car dealership Bertel O. Steen in Oslo. The company Bertel O. Steen is the leading importer of Mercedes-Benz in Norway.

The Vehicle Lift is used for transportation of premium vehicles (e.g. Mercedes SRL), up to a weight of 3000kg, from one sales floor (first floor) to another sales floor (second floor). The car show in the second level is reserved for exclusive costumers.

... to another sales floor



podium on one level with the platform



platform covered with a high-quality parquet

Integration in the ambient architecture

The design of the Quadro-Lift was adapted to the surrounding architecture in the showroom. The glass façade of the Lift creates an complete enclosure – seamless glass panels provide an optimal illumination. A podium, placed next to the Lift, is on one level with the platform. The flooring has been designed with a high-quality parquet. The design of the flooring can be adapted individually to the

customer needs. Scope of supply: turnkey including glass facade and doors on both floors with all necessary safety measures from the system supplier NUSSBAUM.

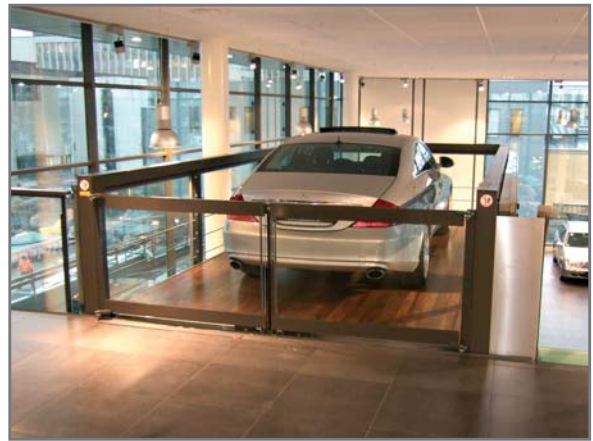
“PREMIUM Type”

- 4-side glass enclosure
 - glass doors in both floors
 - platform covered with parquet
 - aluminium ramp for driving in- and out, integrated in the platform
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Operation



glass swing door in the first floor



glazed door in the second floor

The Car Lift is equipped with a seamless glass swing door, (radius for opening 90°), in the first sales floor. In the second floor a glazed door has been installed – as safety barrier. The safety technology is integrated in the control system.

Operation

The system is operated by means of a key-switch with emergency stop and dead man's control. The control element with operation manual is placed in the first floor, at the façade column left to the glass swing door.



key-switch with emergency stop

Innovative and space-saving integration of the drive-on ramps



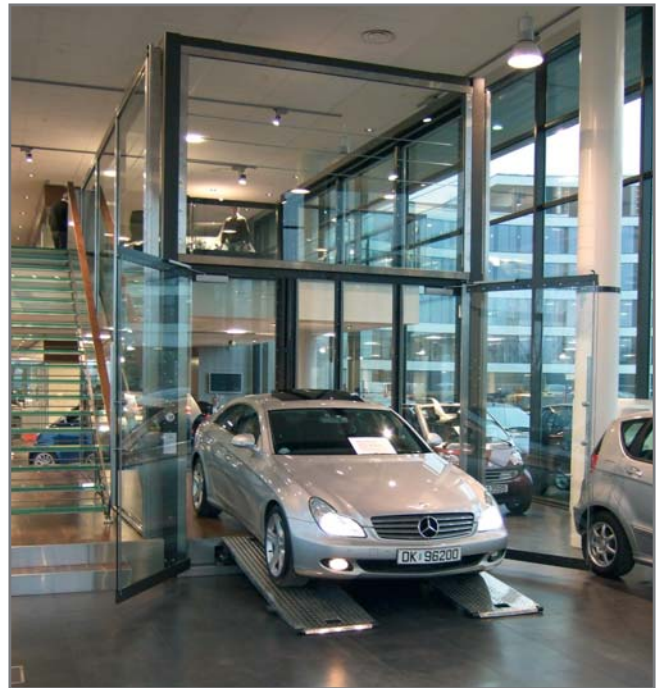
the ramp is integrated in the platform...



... and can be moved out simply if required



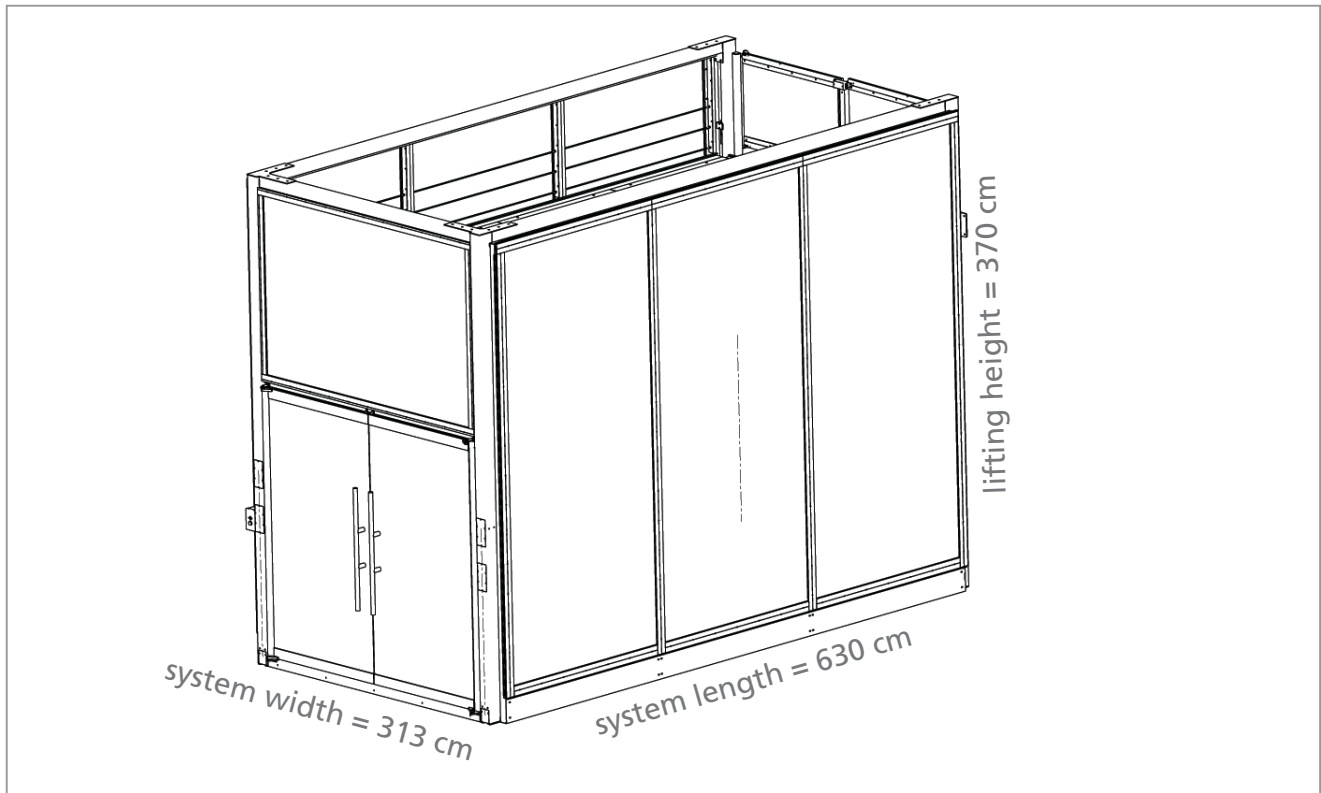
vehicle is waiting for exit



ramp capacity max. 3000 kg

The Quadro-Lift could not be installed recessed (+/- 0). Therefore, two aluminium ramps are provided for driving in- and out of the Lift. The ramps are placed below the parquet coating in the cartridge of the platform. The ramps can be moved out simply if required.

Technical data



platform length (cm)	604
platform width (cm)	310
platform height incl. flooring (cm)	35
system length (cm)	630
system width (cm)	313
lifting height (cm)	370
platform capacity (kg)	3000

Lifting height

The system is available in different lifting heights.

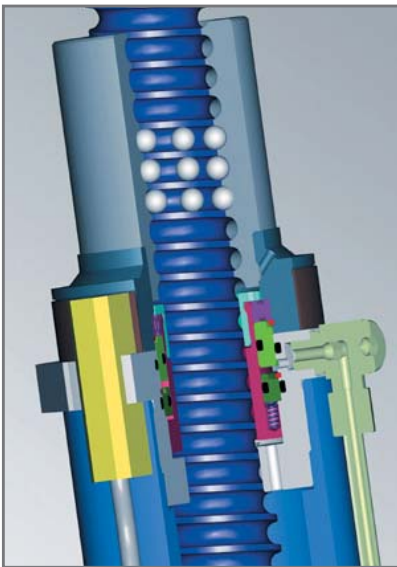
Platform height

The platform can be recessed according to the local requirements to permit an even drive (+/-0 level).

Safety up-to-date by „SST Technology“

The Quadro-Lift acts by means of 4 SST-cylinders, one cylinder in each of the 4 columns, with chain direction change.

SST (Safety Star Technology)



The Nussbaum patented SST Technology, applied to hydraulic cylinders, fulfils two crucial functions in an automotive lift.

- SST serves as a reliable security system. It is in operation in every working position . Even if the pressure in the hydraulic cylinders is completely lost, the load on the lift will not sag.
- SST also includes a position measuring system for the lifting cylinders. In interaction with a micro-controller and proportional valves, SST guarantees perfect synchronisation.

Hydraulic unit with control unit controller



The system is powered by a hydraulic unit 400 Volt, 3x 25 A, 6 kW.

- The hydraulic unit with control unit controller is mounted at a column in the workshop. The workshop is located underneath the sales floors.
 - The safety technology is integrated in the control system.
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The **Nussbaum-Group** is one of the leading manufacturers worldwide of garage equipment for cars and trucks. Next to the main divisions hydraulic lifts and test technology conceived around the wheel and the consortium manufactures automatic parking systems, smart towers and car towers for other leading brands.

A high production depth arises from the Nussbaum strategy's innovation and cost leadership in all production processes. Therefore special top-hats, valves or hydraulic systems for industrial plants are also part of the production portfolio and indicate Nussbaum as competent specialists and supplier for the industry.

The function ready, modular workshop system car satellite bundles know-how of all lines of business and makes Nussbaum to the general supplier on the motorcar service market.

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