Tender specification KLAUS Multiparking SingleUp 3015 EB

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Preliminary technical remarks

1. Basis for the design are

1.1 the garage regulations (GaVo) according to the building regulations in the latest version,

1.2 the EC Machinery Directive 2006/42/EC, Appendix 1, and the DIN EN 14010

1.3 the architect's workshop drawings

2. The bidder confirms upon submission of the bid that the garage dimensions and the driveway widths comply with the GaVo, the relevant implementation guidelines to be specified by him and the system offered by him.

3. Required surface loads according to DIN 1055, page 3, per parking space: 2.0 t

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Specification

General:
Multiparking system providing dependent parking of 3 cars on top of other each. The lower vehicle parks directly on the floor plate. The vehicle parked on the bottom must be driven out before lowering the platform. Dimensions according to product data sheet SingleUp 3015 and the building dimensions, widths and heights taken as basis. The parking bays are accessed horinzotally (installation deviation ± 1%). Operation via operating device with hold-to-run-device using master keys.

SingleUp 3015 - 2 platforms for 3 cars on top of each other

Corrosion protection:
Corrosion protection according to DIN EN ISO12944-2, corrosive category C3 moderate

– Platform profiles, cover plates and optional platform extensions hot-dip galvanized according to DIN EN ISO 1461, layer thickness approx. 45 µm

– Side members hot-dip galvanized according to DIN EN ISO 1461, layer thickness approx. 55 µm

– Cross members hot-dip galvanized according to DIN EN ISO 1461, layer thickness approx. 55 µm

– Access plates, hot-dip galvanized in accordance with DIN EN ISO 1461 film thickness approx. 55 µm, and additional orange powder-coating (Epoxy / Polyester base) RAL 2000, dry film thickness approx. 60-80 µm

– Fastening screws for platform profiles, stainless steel V4A

– Hydraulic tubes, screwed joints, bolts, screws, nuts and washers electrogalvanized

– Other steel components, shot-peened (particle cleanliness SA 2,5) and grey powder coating (Epoxy / Polyester base) RAL 7040, dry film thickness approx. 60-80 µm

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Hydraulic unit:
The hydraulic unit is used to drive several Multiparkers if they are arranged next or opposite (separated by the driveway only) to each other. The system is controlled with the control unit on for each Multiparker. The Multiparkers can be lifted or lowered together. The hydraulic unit installed is supported rubber-bonded metal. However, we still recommend separating the garage body from the residential house.

To be performed by the customer:

1. Electrical supply to the main switch / Foundation earth connector:
   Suitable electrical supply to the main switch must be provided by the customer during installation. The functionality can be monitored on site by our fitters together with the electrician. If this cannot be done during installation for some reason for which the customer is responsible, the customer must commission an electrician at their own expense and risk.
   In accordance with DIN EN 60204 (Safety of Machinery. Electrical Equipment), grounding of the steel structure is necessary, provided by the customer (distance between grounding max. 10 m).

2. Safety fences:
   Any constraints that may be necessary according to DIN EN ISO 13857 in order to provide protection, for pathways directly in front, next to or behind the unit. This is also valid during construction.

3. Numbering of parking spaces:
   Consecutive numbering of parking spaces.

4. Building services:
   Any required lighting, ventilation, fire extinguishing and fire alarm systems as well as clarification and compliance with the relevant regulatory requirements.

5. Marking:
   According to DIN EN 14 010, a warning that identifies this danger area must be placed in the entrance area that conforms to ISO 3864. This must be done according to EN 92/58/EWG for systems without a pit 10 cm from the edge of the platform.

6. Wall cuttings:
   Any necessary wall cuttings according to product data sheet SingleUp 3015.

7. Operating device:
   Cable conduits and recesses for operating device see product data sheet SingleUp 3015.

8. Concrete quality:
   Floor and walls are to be made of concrete (quality minimum C20/25).

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SingleUp 3015 EB

Multiparking system for 3 cars
SingleUp 3015-560 EB

Multiparking system for 3 cars, the parking bays are accessed horinzotally.
The lower vehicle parks directly on the floor plate. The vehicle parked on the bottom must be driven out before lowering the platform.

Clearance: 560 cm

Vehicle height: top 160 cm, middle 160 cm, bottom 180 cm

Vehicle length: 500 cm

Usable platform width: top 240 cm, middle 230 cm

Platform load: 2,0 t

incl. freight, unloading, installation
incl. electrical wiring from lockable main switch
incl. expert acceptance

Hydraulic unit, low-noise

Option:
Extra costs for KLAUS SingleUp 3015-615 EB
(car height at top up to 180 cm, middle 180 cm, bottom 180 cm)

– Dimensions acc. to manufacturer specifications –

Optional position
Extra costs for additional noise protection measures to protect against structure-borne sound according to DIN 4109, EB system

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Optional position
Extra costs for additional increased noise protection measures to protect against structure-borne sound according to DIN 4109-10, EB system

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Optional position
Extra costs for fixing in waterproof concrete with glue dowel

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Extra costs for conclusion of a system service contract SSVP "PLUS" with cleaning and care, incl. maintenance 1 per year, all spare and wear parts, and cleaning and care of the platform surface.
