Tender specification KLAUS Multiparking SingleVario 2061 outdoor installation EB

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 a voluntary conformity testing by TÜV SÜD

1.4 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 EN 1991-1-1, per parking space: 2.0 t

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Specification

General:
Multiparking system providing dependent parking of 2 cars on top each other. 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 SingleVario 2061 outdoor installation with the underlying dimensions of the building dimensions, height and width. The parking bays are accessed horinzotally (installation deviation ± 1%). Operation via operating device with hold-to-run-device using master keys.

SingleVario 2061 outdoor installation EB - 1 platform for 2 cars on top of each other

Corrosion protection:
Corrosion protection according to DIN EN ISO 12944-2, corrosive category C3 moderate

– Platform profiles coated with zinc-aluminium-magnesium according to DIN 10326

– Cover plates and optional platform extensions hot-dip galvanized according to DIN EN ISO 1461, layer thickness min. 45 µm

– Side members coated with zinc-aluminium-magnesium according to DIN 10326

– Optional extensions hot-dip galvanized according to DIN EN ISO 1461, layer thickness min. 55 µm

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

– Access plates, hot-dip galvanized in accordance with DIN EN ISO 1461 film thickness min. 55 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:
   Constraints according to DIN EN ISO 13857 must be put in place on three sides (all except the entrance side), unless buildings border the traffic ways around the system.

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:
   In compliance with DIN EN 14010, 10 cm wide yellow-black markings compliant to ISO 3864 must be applied by the customer to the edge of the platform in the access area to mark the danger zone in front of the supporting surface of the upper platform edge.

6. Wall cuttings:
   Any necessary wall cuttings according to product data sheet SingleVario 2061 outdoor installation.

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

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Multiparking system for 2 cars
SingleVario 2061 outdoor installation EB

Multiparking system for 2 cars with platforms for horizontal accessing
The lower vehicle parks directly on the floor plate. The vehicle parked on the bottom must be driven out before lowering the platform.

Vehicle height: bottom: 150 cm. To the extent that the conditions of the construction do not restrict the height, the car height on the upper parking slots is not restricted.

Vehicle length: 500 cm

Usable platform width: 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 SingleVario 2061-170 outdoor installation EB
(car height at bottom up to 160 cm)

– Dimensions acc. to manufacturer specifications –

Option:
Extra costs for KLAUS SingleVario 2061-180 outdoor installation EB
(car height at bottom up to 170 cm)

– Dimensions acc. to manufacturer specifications –

Option:
Extra costs for KLAUS SingleVario 2061-190 outdoor installation EB
(car height at bottom up to 180 cm)

– Dimensions acc. to manufacturer specifications –

Option:
Extra costs for KLAUS SingleVario 2061-200 outdoor installation EB
(car height at bottom up to 190 cm)

– Dimensions acc. to manufacturer specifications –

Option:
Extra costs for KLAUS SingleVario 2061-210 outdoor installation EB
(car height at bottom up to s 200 cm)

– Dimensions acc. to manufacturer specifications –

Optional position
Extra costs for larger platform width _____ cm

Optional position*
Extra costs for increase of platform load to 2.6 t per parking space, outdoor installation,
EB system – for countries where snow loads are a crucial factor, the platform load is to be reduced accordingly (see product data sheet)

Optional position
Platform coating in AluLongLife

Optional position
Platform coating in EasyWalk

Optional position
Extra costs for additional noise protection measures to protect against structure-borne sound according to DIN 4109-1, EB system

Optional position
Extra costs for additional increased noise protection measures to protect against structure-borne sound according to VDI 4100, EB system

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.