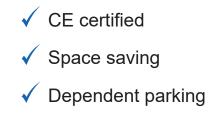


# **STACK PARKER - V2**



### **Technical data sheet**



Low maintenance cost
 Low installation cost
 Low noise



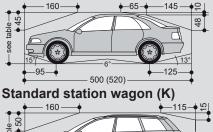
Car Stackers d.o.o · Đorđa Pantelića 24 · 11080 Beograd Tel. +381 11 7138957 info@car-stackers.com · www.car-stackers.com

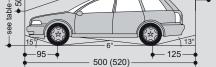
### V2 (V2-R) ► Stack Parker

#### Dimensions

- All dimensions specified are the minimum, finished dimensions.
- Tolerances for the dimensions <sup>+3</sup><sub>0</sub>. **1**
- Dimensions are in cm.

#### Standard passenger car (L)





#### Parking possibilities

Standard passenger cars: Saloon, estate, SUV, Van according to clearance gauge and maximum parking space load.

### For countries where snow loads do not have to be taken into account:

	Standard <b>V2</b>	Reinforced V2-R
Width in cm	190 2	190 2
Weight in kg	2000	2600
Wheel load in kg	500	650

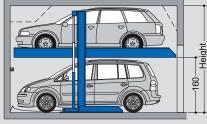
For countries where snow loads have to be taken into account, the parking space on the upper parking space space is reduced according to the following table:

	Standard <b>V2</b>	Reinforced V2-R
Width in cm	190 2	190 2
Weight in kg	1500	2000
Wheel load in kg	375	500

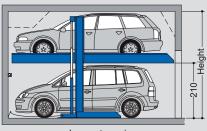
The snow loads apply to a snow height of 20 cm. For greater snow heights, the snow load must be cleared accordingly.

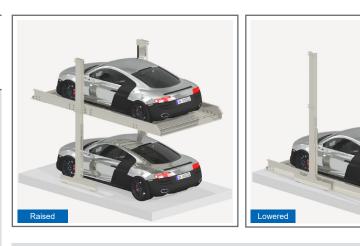
#### **Height dimensions**

All height variants can be found on page 2.



Smallest version

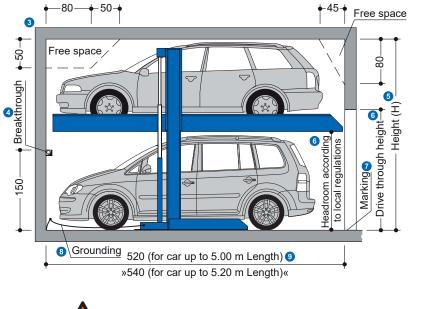




#### Specification

- EB (single platform) = 2 vehicles
- Car heights = 150 cm to 200 cm
- Car length = up to 520 cm
- V2 (Standard) : Load capacity = 2000 kg per parking place, Usable platform width up to 270 cm
- V2-R (Reinforced) : Load capacity = 2600 kg per parking place, Usable platform width up to 270 cm

### Garage without door



Before lowering the platform, the vehicle parked on the lower parking space must be driven off!

#### Notes

- To comply with the minimum finished dimensions, the tolerances according to VOB, Part C (DIN 18330 and 18331) and DIN 18202 must also be considered.
- 2 Car width for 230 cm platform width. For the greatest possible ease-of-use, we recommend
   a) V2 platform widths of 250 to 270 cm.
- b) V2-R platform widths of 260 to 270 cm.
  Outdoor installation: Three-sided barrier according to DIN EN ISO 13857. Depending on the location, can also be used as a windshield.
- 4 For dividing walls: cutting through 10 x 10 cm.
- If a higher ceiling height is available, higher cars can be parked.
- 6 Must be at least as high as the greatest car height + 5 cm.
- 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 pit in the entry area to mark the danger zone (see "Load plan", page 6).
- B Grounding of the system to be connected to the central grounding on-site (to be provided by the customer).
- 9 = 520 cm for vehicle length max. 5.0 m
  - 540 cm for vehicle length max. 5.2 m

Shorter versions are possible on request - observe local regulations on parking space lengths. We recommend a length of 540 cm for comfortable use of your parking space and also to accommodate longer vehicles.

Page 1 Sections, dimensions, car data

> Page 2 Variants and Height dimensions

Page 3 Width

Page 4 Garage doo

Page 5 Parking position, Approach, Wall

Page 6 Load plan, Space for duct installation

Page 7 Installation data / electrical installation

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Page 10



### Page 1 dimensi car data

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-Heighte

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Page 7 Installation data / electrical installation

-Height<del>6</del>-

6

Page 8 Technical hint

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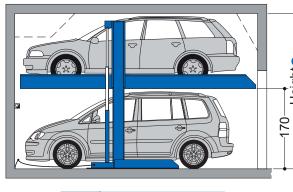
-Height

Overview of stack parker varients and building heights



Car height		
top	below	
150	150	
	top	

V2-170



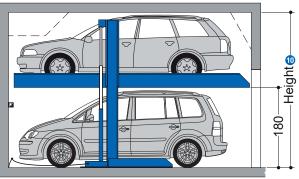
Carn	eight
top	below
150	160
	top

### V2-190

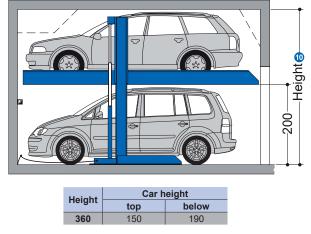


V2-200

V2-160



Car height Height below top 340 150 170

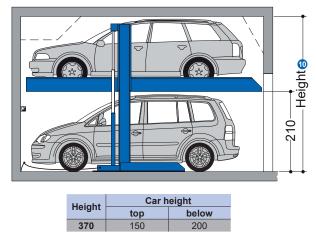


10 If the ceiling height is higher, correspondingly higher vehicles can be parked on the top.

#### V2-210

Height

350



Car height

below

180

top

150



### Page 1 dimensions car data

Page 2 /ariants and Height

Page 3 Width dimensions

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Page 5 Parking position, Approach, Wall

Page 6 Load plan pace or duct stallatio

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ingle platform (	(EB)	Double arrangement (2 x EB)	Triple arrangement (3 x EB)
EB B1		EB EB	EB     EB     EB       B1     Carriageway according to local regulations
Usable platform width	Garage width <b>B1</b>	Usable Garage width platform width <b>B1</b>	Usable Garage width platform width <b>B1</b>
230	260	<b>230</b> 520	<b>230</b> 780
240	270	<b>240</b> 540	<b>240</b> 810
250	280	<b>250</b> 560	<b>250</b> 840 <b>260</b> 870
260 270	290 300	<b>260</b> 580 <b>270</b> 600	<b>270</b> 900
<b>olumns in p</b> ingle platform (		Double arrangement (2 x EB)	Triple arrangement (3 x EB)
	<b>Z</b> •		
	140 H	140	max 140
EB EB	I <u> </u>		
	14 14	140	140 m
B2    B3	min. 20	B2 B3 min. 20	$\begin{array}{c c} B_2 & H & B_3 & H \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 & H \\ \hline \end{array} \\ \begin{array}{c} B_1 & B_2 & H \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_2 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \end{array} $ \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \hline \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array} \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array}  \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} B_3 & H & B_3 \\ \end{array}  \\ \\ \end{array}  \\ \\ \end{array}  \\ \end{array}  \\ \end{array}  \\ \\ \end{array}  \\ \end{array}  \\ \\ \end{array}  \\ \end{array}  \\ \\ \end{array}
			Carriageway accord
	Corogo width	Corago width	to local regulations
Usable platform width	Garage width B2 B3	Usable Garage width platform width B2 B3	Usable Garage width platform width B2 B3
230	255 245	<b>230</b> 515 510	<b>230</b> 775 770
240	265 255	<b>240</b> 535 530	<b>240</b> 805 800
250	275 265	<b>250</b> 555 550	<b>250</b> 835 830
260 270	285 275 295 285	<b>260</b> 575 570 <b>270</b> 595 590	<b>260</b> 865 860 <b>270</b> 890 890
210	293 203	270 393 390	210 030 030
olumns out			
ingle platform (	(EB)	Double arrangement (2 x EB)	Triple arrangement (3 x EB)
	7		
EB EB		EB EB EB EB	EB EB EB EB EB
ЕВ ЕВ		EB EB EB	EB EB EB EB EB
	 min. 20	EB EB EB EB B4 B5 min. 20	EB       EB       EB       EB       EB       EB       EB         B4       B5       Imin. 20
	— min. 20		$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
B4 B5 Tr	Garage width	B4 B5 min. 20	B4 B5 Imin. 20 Carriageway accordin to local regulations
B4 <mark>↓ B5 ↓</mark> r Usable platform width	Garage width B4 B5	B4 B5 ∭min. 20 Usable Garage width platform width B4 B5	B4 B5 Imin. 20 Carriageway accordin to local regulations
B4 H B5 Hr Usable platform width 230	Garage width           B4         B5           250         240	B4     B5     min. 20       Usable     Garage width       platform width     B4     B5       230     510     500	B4     B5     Imin. 20       Carriageway accordin to local regulations       Usable platform width     Garage width       B4     B5       230     770
B4 <mark>↓ B5 ↓</mark> r Usable platform width	Garage width B4 B5	B4 B5 ∭min. 20 Usable Garage width platform width B4 B5	B4 B5 Imin. 20 Carriageway accordin to local regulations
Usable platform width 230 240	Garage width           B4         B5           250         240           260         250	B4         B5         min. 20           Usable platform width         Garage width           230         510         500           240         530         520	B4     B5     min. 20       Carriageway accordin to local regulations       Usable     Garage width       platform width     B4       B5     770       230     770       760       240     800
Usable platform width 230 240 250	Garage width           B4         B5           250         240           260         250           270         260	B4         B5         min. 20           B4         B5         min. 20           balance         Garage width           platform width         B4         B5           230         510         500           240         530         520           250         550         540	B4     B5     min. 20       Carriageway accordin to local regulations       Usable platform width     Garage width       B4     B5       230     770       240     800       250     830
Usable platform width 230 240 250 260 270	Garage width           B4         B5           250         240           260         250           270         260           280         270           290         280	Usable         Garage width           platform width         B4         B5           230         510         500           240         530         520           250         550         540           260         570         560           270         590         580	B4       B5       min. 20         Carriageway accordin to local regulations         Usable       Garage width         platform width       B4       B5         230       770       760         240       800       790         250       830       820         260       860       850

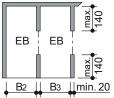
Width dimensions for garage without door

#### **Dividing walls**



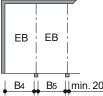
Usable platform width	Garage width <b>B1</b>
230	260
240	270
250	280
260	290
270	300

#### Columr



Usable	Garage width	
platform width	B2	B3
230	255	245
240	265	255
250	275	265
260	285	275
270	295	285

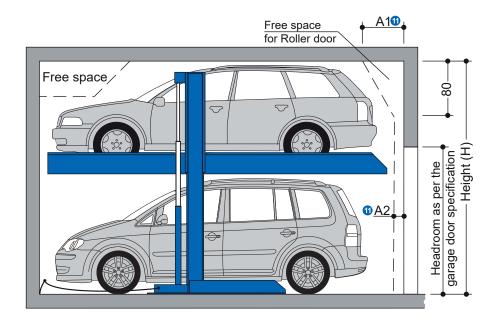
#### Colum



Usable Garage wid		e width
platform width	B4	B5
230	250	240
240	260	250
250	270	260
260	280	270
270	290	280



#### Garage with door



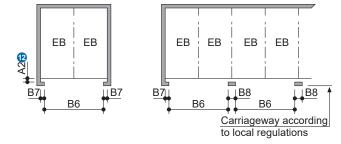
Dimensions A1 and A2 must be coordinated with the door supplier. For all-roller doors, coordination between the door manufacturer and car stackers d.o.o is necessary.

#### Width dimensions for garage with door

Single platform (EB)

Usable platform width	Door entrance width <b>B6</b>	B7	B8
230	230	15	30
240	240	15	30
250	250	15	30
260	260	15	30
270	270	15	30

Double arrangement (2 x EB)



Usable platform width	Door entrance width <b>B6</b>	B7	<b>B</b> 8
230	490	15	30
240	510	15	30
250	530	15	30
260	550	15	30
270	570	15	30

Dimensions A1 and A2 must be coordinated with the door supplier.

For all-roller doors, coordination between the door manufacturer and car stackers d.o.o is necessary.

HINT : End parking spaces are generally more difficult to drive into. Therefore, we recommend for end parking spaces our wider platforms. Parking on standard width platforms with larger vehicles is difficult. This depends on the type of vehicle, approach and above all on the individual driver's skill. For maximum comfort, we generally recommend our maximum platform widths of 270 cm for a single platform.

4

Page 1 Sections, dimensions car <u>data</u>

Page 2 /ariants and Height lime<u>nsions</u>

Page 3 Width

Page 4 Garage door dimensions

Page 5 Parking position, Approach, Wall

Page 6 Load plan, Space for duct installation

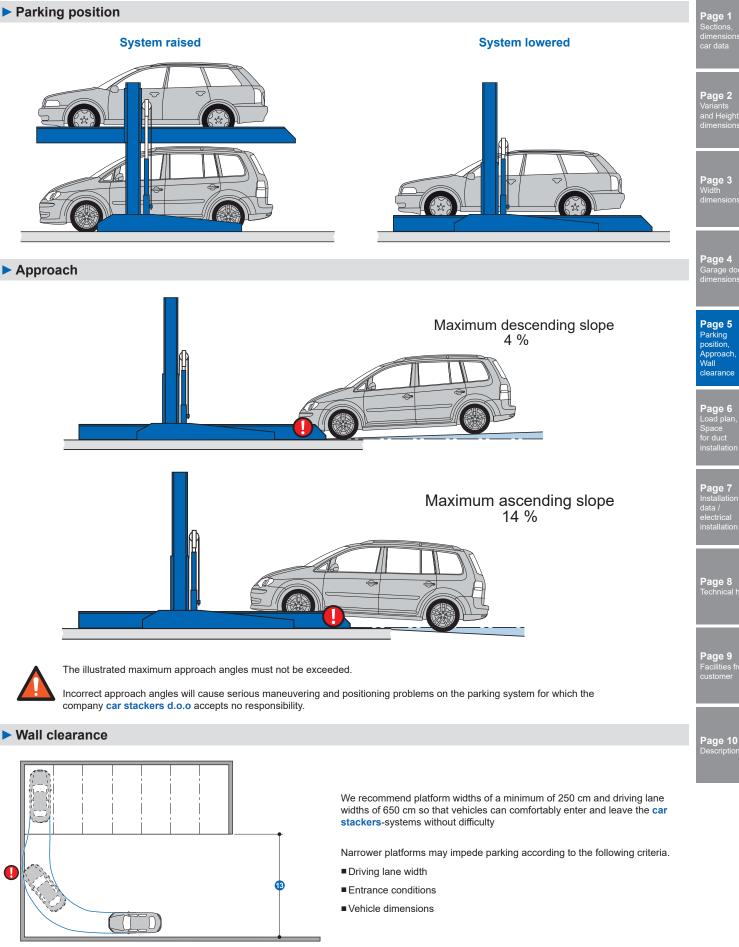
Page 7 Installation data / electrical installation

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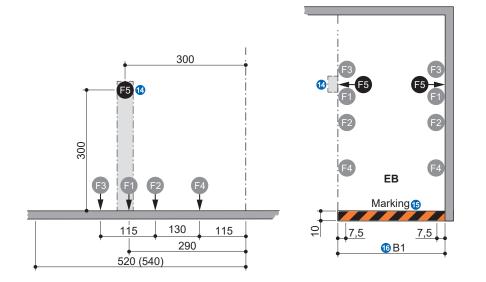


Observe minimum driving lane width in accordance with local regulations!



#### Load plan

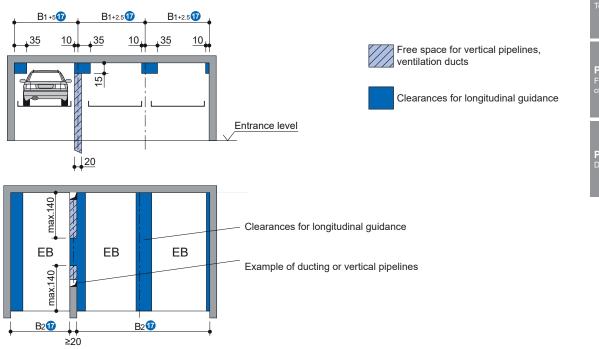
- The stack parker systems are anchored into the ground. The drill hole depth on the floor is approx. 15 cm, and on the walls approx. 12 cm.
- Floor and walls below the drive-in level must be made of concrete (concrete quality min. C20/25)!
- The dimensions of the load-bearing points are approximate. If the exact dimensions are required, please consult car stackers d.o.o.



Platform load	Force (kN)				
	F1	F2	F3	F4	F5
EB 2000 kg	+30	+0,5	+7,7	±0,8	±1
EB 2600 kg	+36	+0,7	+9,8	±1	±1

- The system must be supported on both sides. An additional stand may be installed if there are no walls at the sides. A floor area of 50 x 30 cm is required for these standards (concrete quality min. C20/25, drill hole depth approx. 15 cm).
- Marking in accordance with DIN EN 14010 (illustration colours are not consistent with DIN ISO 3864)
- Width dimension B1 (see "Width dimensions for garage with/without door", Page 3 and 4)

#### Space for duct installation



HINT : Free spaces apply only to forward parked cars with driver exit on the left side!

**1** Dimensions B1 and B2, see **"Width dimensions for garage without door"**, page 3.

Page 1

2 age

Page 3

Page

Parking position, Approach, Wall clearance

Page 6 Load plan, Space for duct installation

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#### Electrical installation

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Page 7 Installation data / electrical installatior

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°age 9

Page 10 Description

5 10 13 6 12 80 X 120 16 15 0,00 \_\_\_\_\_ 17 7 to the next system

Electrical data to be performed by the customer

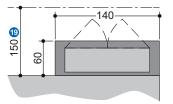
No.	Qty.	Description	Postion	Frequency
1	1	Electricity meter	in the supply line	
2	1	Main fuse: 3 x fuse 16 A (slow) or circuit breaker 3 x 16 A (trigger characteristic K, G or C)	in the supply line	1 per unit
3	1	Supply line 5 x 2.5 mm <sup>2</sup> (3 PH + N + PE) with marked wire and protective conductor 🔞	to main switch	1 per unit
4	1	Supply line 5 x 2.5 mm <sup>2</sup> (3 PH + N + PE) with marked wire and protective conductor	from main switch to unit	1 per unit
5	1	Lockable main switch	defined at the plan check	1 per unit
6	1	Operating stand		1 per system
7	1	Potential equalization from foundation grounding connection system according to DIN EN 60204		1 per system
8	every 10 m	Foundation earth connector	corner pit floor	
9	2	Empty pipe EN 25 (M25)		1 per system

#### Electrical data included in delivery of car stackers d.o.o

No.	Designation
10	Hydraulic unit 3,0 kW, three phase current, 230/400 V, 50 Hz
11	Control cable 5 x 1.5 mm <sup>2</sup> with marked wires and protective earth
12	Chain monitoring
13	Operating element
14	Control cable 7 x 1.5 mm <sup>2</sup> with marked wires and protective earth
15	Control cable 3 x 0.75 mm <sup>2</sup> (PH+N+PE)
16	Junction box unit
17	Control cable 5 x 1.5 mm <sup>2</sup> with marked wires and protective earth to next system

10 If the hydraulic unit is in the cabinet: The customer must provide the cable routing to the foundation of the hydraulic unit.

#### Detail building construction – foundation hydraulic unit



If the installation of the hydraulic power pack is not possible in adjacent room or building, the hydraulic power pack and the electrical components must be accommodated in a cabinet (at an additional cost).

The cabinet is to be planned in the rear area of the stack parker. For this purpose, a foundation (140 x 60 cm) made of concrete is required (concrete quality min. C20/C25). The cabinet is doweled into the floor. The drill hole depth is approx. 10 cm.

19 Free space



#### Technical hint

#### Usage area

Page 1 Sections, dimensions car data

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Page 3 Width

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- Page 5 Parking position, Approach.
- Page 6 Load plan, Space for duct installation

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Page 10 Description

As a standard, the system is suitable for long-time car parking. Frequent usage of upper parking space (e.g., short-term parking in office buildings or hotels) requires structural modifications to the car stackers system. Feel free to contact us for consultation.

#### Units

Low-noise hydraulic units mounted on Anti-vibration mounting plates are installed. But, we also recommend separating the garage body from the residential building. If it is not possible to install the hydraulic unit in adjacent buildings or rooms, the hydraulic unit and the electrical components must be housed in a cabinet (at an additional cost) (see **"Detail building construction – foundation hydraulic unit"**, page 7).

#### Railings

If the permissible drop opening is exceeded, railings are to be mounted on the systems. If there are traffic routes next to or behind the installations, railings compliant to DIN EN ISO 13857 must be installed by the customer. Railings must also be in place during construction.

#### **CE certification**

The systems offered correspond to DIN EN 14010 and the EC Machinery Directive 2006/42/EG.

#### **Building application documents**

According to LBO and GaVo (garage regulations), the car stackers systems are subject to approval. Please observe the local rules and regulations.

#### **Available documents**

- Wall recess plans
- Maintenance offer/contract
- Declaration of conformity

#### **Environmental conditions**

Ambient conditions for the areas around stack parker systems:

- Temperature range -10 °C to +40 °C
- Relative humidity of 50% at a maximum outside temperature of +40 °C.

The lifting and lowering of stack parker systems are calculated at an ambient temperature of +10 °C and with the hydraulic system positioned immediately adjacent to the stack parker. The operating time of stack parker increases at lower ambient temperatures or with longer hydraulic lines.

#### **Care & Protection**

To avoid corrosion damage, please follow separate cleaning and care instructions (as per the "Corrosion protection" sheet) and ensure that your garage is well ventilated.

#### **Noise protection**

#### Standard noise protection:

- As per DIN 4109-1 (Sound insulation in buildings Part 1: Minimum requirements) Section 9: ■ Maximum noise level in living and sleeping areas 30 dB (A). Noise created by users are not considered.
- Noise created by users are not considered.

The following dimensions are required for adherence to this value: Noise protection package in accordance with guote/order (car stackers d.o.o).

Noise insulation dimension of the building structure of minimum weighted sound reduction index, min. R'w = 57 dB (service to be provided by the customer)

#### Increased noise protection (special agreement):

- As per DIN 4109-5 (Sound insulation in buildings Part 5: Increased requirements) Section 8:
- Maximum noise pressure level in living and sleeping areas 25 dB (A).

Noise created by users are not considered.

The following dimensions are required for adherence to this value:

- Noise protection package in accordance with quote/order (car stackers d.o.o).
- Noise insulation dimension of the building structure of min. R'w = 62 dB (service to be provided by the customer)
- HINT : User noises are the noises that can be influenced by individual users of our car stackers systems. These are created during the accessing of the platform, slamming of vehicle doors, engine, and brake noise.



#### Facilities to be provided by the customer

#### **Safety barriers**

During the stack parker construction, in accordance with DIN EN ISO 13857, safety barriers are to be placed immediately in front of, adjacent to, or behind the systems where there are roadways.

#### Parking space numbering

Parking space numbering, if required.

#### **Building services**

Ventilation, fire extinguishing and fire alarm systems, as well as clarification and compliance with the relevant regulatory requirements.

#### Lighting

The customer must observe local regulations pertaining to the illumination of parking spaces and roadways. In accordance with DIN EN 12464-1 'Light and lighting - Lighting of work places', an illumination level of min. 200 lx is recommended for the parking spaces and operating area of the system.

#### Warning labels

In accordance with DIN EN 14010, the customer must provide 10 cm wide, yellow/black marking in accordance with DIN ISO 3864 in the access area in front of the contact area of the upper platform edge to identify the hazard area (see "Load plan", Page 6)

#### Wall cutout

Any necessary wall cutout according to page 1.

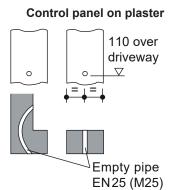
#### Electrical supply to the main switch / Foundation earth connector

The customer must lay the supply cable to the master switch during assembly. Functional capability can be checked by our engineers on site, in conjunction with the electrical engineer. If this is not possible during assembly for reasons attributable to the customer, the customer must commission an electrical engineer.

The customer must earth the steel structure with a foundation earth connection (earthing distance max. 10 m) and equipotential bonding in accordance with DIN EN 60204 (see "Electrical installation", page 7)

#### **Control panel**

Empty conduits and recesses for the operating element (see "**Electrical installation**", page 7). Consultation with **car stackers d.o.o** is required when using folding doors.



#### Other services on-site

- Measures for the implementation of water protection regulations
- Measures to comply with fire protection regulations and noise protection in accordance with DIN4109
- Daily update on project photos, if required.
- Foundation grounding if necessary
- All permits and approvals

#### If the following are not included in the quotation, they will also have to be provided/paid for by the customer:

- Mounting of contactor and terminal box to the wall valve, complete wiring of all elements in accordance with the circuit diagram
- Costs for final technical approval by an authorized body
- Main switch
- Control line from main switch to hydraulic unit
- Railing
- Floor marking

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#### Description

#### **General description**

- car stackers d.o.o stack parker system provides parking space for two vehicles on top of the other. The lower vehicle is parked directly on the floor. The lower vehicle must exit the stack parker system before the platform is lowered.
- The height of the platform can be flexibly adjustable (also after installation).
- Increased load capacity to 2600 kg is subsequently possible.
- Dimensions according to the underlying pit, width and height dimensions.
- Access to the parking spaces horizontally (installation tolerance ± 1%).
- Vehicles are positioned on the upper parking space using wheel stops on the right side (adjust according to operating instructions).
- Control via an operating element with automatic reset by means of a master key.
- Operating elements are usually installed in front of the support or on the outside of the door.
- Operating instructions are attached to each operator's stand.
- For garages with doors at the front of the parking system, the special dimensional requirements have to be taken into account.

#### Car Stackers system consisting of:

- 2 Pillars with foundation rails (fixed to the floor)
- 2 Sliding pieces (with sliding guides attached to the pillars)
- 1 Platform
- 1 mechanical synchronization system (for the synchronous operation of the hydraulic cylinders during lifting and lowering)
- 1 Hydraulic cylinder
- Dowels, screws, fasteners, connecting elements etc.
- The platforms/parking spaces are continuously accessible.

#### Platform consisting of:

- Platform profiles
- Adjustable positioning aids
- Bevelled bumpers
- Lateral beams
- Cross beams
- Screws, nuts, spacer tubes, etc.

#### Hydraulics consisting of:

- Hydraulic cylinder
- Solenoid valve
- Safety valves
- Hydraulic lines
- Hydraulic fittings
- High-pressure hoses
- Mounting material

#### Electrical system consisting of:

- Operating element (Emergency-stop, lock, 1 master key per parking space)
- Junction box unit
- Electrical locking device
- Chain monitoring system

#### Hydraulic unit consisting of:

- Hydraulic unit (low noise, installed onto a console with a rubber-bonded-to-metal mounting)
- Hydraulic oil tank
- Oil filling
- Internal gear pump
- Pump holder
- Coupling
- Three-phase motor (3.0 kW, 230/400 V, 50 Hz)
- Pressure gauge
- Pressure relief valve
- Hydraulic hoses (to reduce noise transmission to the hydraulic pipes)

#### We reserve the right to change these specifications without notice!

car stackers d.o.o reserves the right, in the course of technical and technological progress, to use newer or different technologies, systems, processes, procedures, or standards than those originally offered and ensure that the customer does not incur any disadvantage.

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