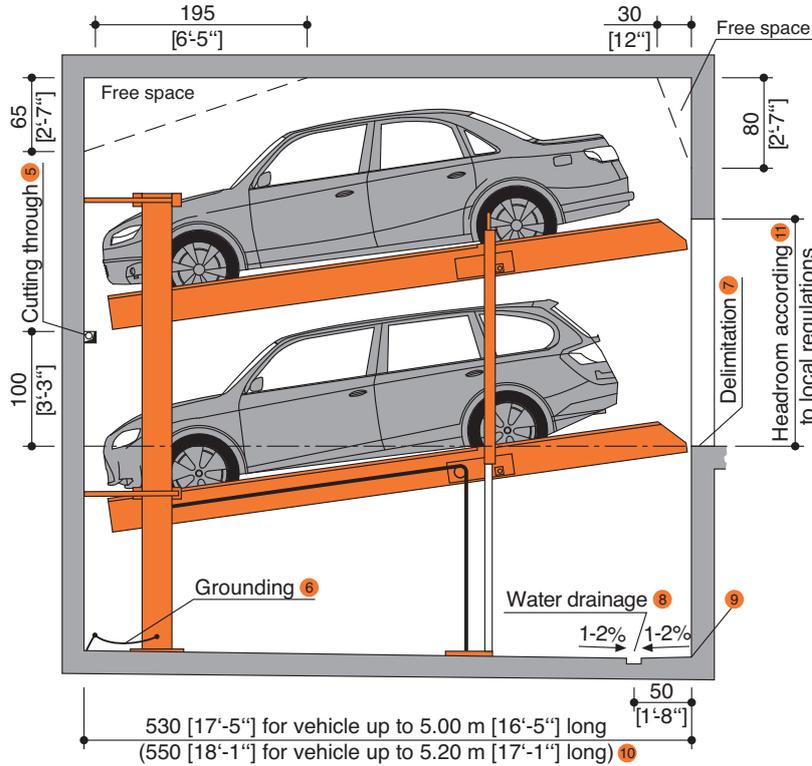


Garage without door (basement garage)



Dimensions

All space requirements are minimum finished dimensions.

Tolerances for space requirements $+3 \begin{matrix} +1 \\ 0 \end{matrix}$ ³

EB (single platform) = 2 vehicles
 DB (double platform) = 4 vehicles

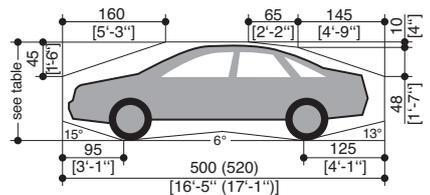
Dimensions: cm [ft] (1 cm = 0,393 in)
 Weights: kg [lbs] (1 kg = 2.2 lbs)
 Forces: kN [lbf] (1 kN = 224.8 lbf)
 Temperature: °C [°F] (0° C = 32° F)

Suitable for

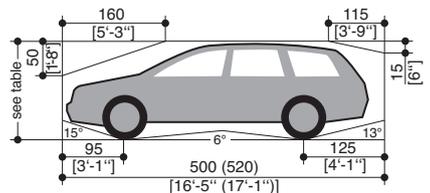
Standard passenger cars:
 Limousine, Station Wagon, SUV, Van
 according to clearance and maximum surface load.

	Standard	Special ²
Width	190 cm [6'-3"] ⁴	190 cm [6'-3"] ⁴
Weight	max. 2000 kg [max. 4400 lbs]	max. 2600 kg [max. 5730 lbs]
Wheel load	max. 500 kg [max. 1100 lbs]	max. 650 kg [max. 1430 lbs]

Clearance profile Limousine (L)

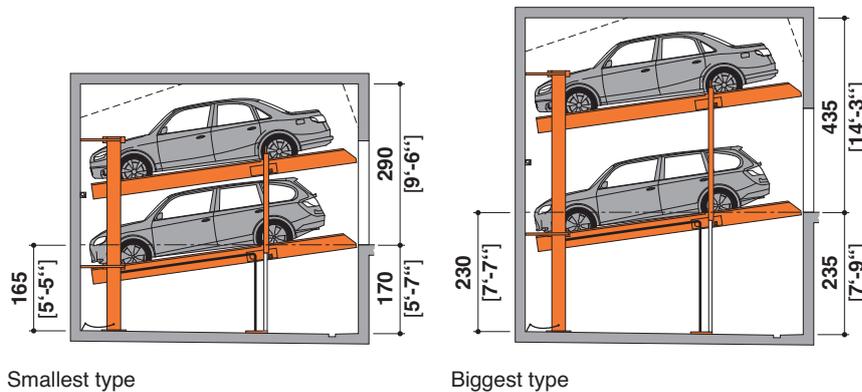


Clearance profile Station wagon (S)



Height dimensions

See page 2 for all pit and height dimensions.



Smallest type

Biggest type

- Standard type
- Special system: maximum load for extra charge (maximum load for EB up to 3000 kg [6610 lbs] per place for extra charge).
- To follow the minimum finished dimensions, make sure to consider the tolerances according to VOB, part C (DIN 18330 and 18331) and the DIN 18202.
- Car width for platform width 230 cm [7'-7"]. If wider platforms are used it is also possible to park wider cars.
- For dividing walls: cutting through 10 x 10 cm [4" x 4"].
- Potential equalization from foundation grounding connection to system (provided by the customer).
- In compliance with DIN EN 14010, 10 cm [4"] 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 7).
- Slope with drainage channel and sump.
- At the transition section between pit floor and walls no hollow mouldings/coves are possible. If hollow mouldings/coves are required, the systems must be designed smaller or the pits accordingly wider.
- For convenient use of your parking space and due to the fact that the cars keep becoming longer we recommend a pit length of 540 cm [17'-9"].
- Must be at least as high as the greatest car height + 5 cm [+ 2"].

- Page 1 Section Car data
- Page 2 Height dimensions
- Page 3 Function Width dimensions without door
- Page 4 Width dimensions without door
- Page 5 Width dimensions without door
- Page 6 Width dimensions with door
- Page 7 Load plan
- Page 8 Approach Installation
- Page 9 Electrical installation
- Page 10 Technical data
- Page 11 To be performed by the customer
- Page 12 Description

Height dimensions for garage without door (basement garage)

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

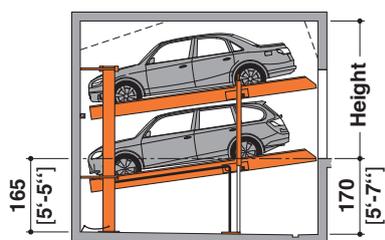
Page 9
Electrical
installation

Page 10
Technical
data

Page 11
To be performed by the customer

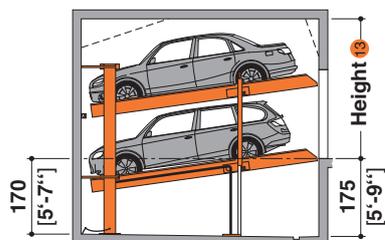
Page 12
Description

2078i-165 [5'-5"]



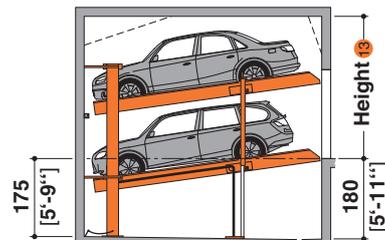
Height	Car height upper level	Car height lower level
290 [9'-6"]	150 [4'-11"] (L)	150 [4'-11"] (L+S)
305 [10'-0"]	150 [4'-11"] (L+S)	150 [4'-11"] (L+S)

2078i-170 [5'-7"]



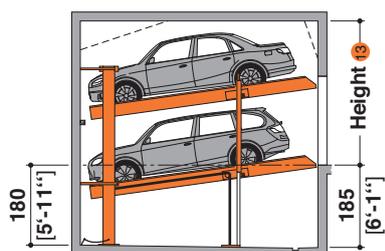
Height	Car height upper level	Car height lower level
295 [9'-8"]	150 [4'-11"] (L)	155 [5'-1"] (L+S)
310 [10'-2"]	150 [4'-11"] (L+S)	155 [5'-1"] (L+S)
300 [9'-10"]	155 [5'-1"] (L)	155 [5'-1"] (L+S)
315 [10'-4"]	155 [5'-1"] (L+S)	155 [5'-1"] (L+S)

2078i-175 [5'-9"]



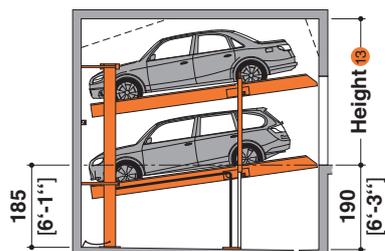
Height	Car height upper level	Car height lower level
300 [9'-10"]	150 [4'-11"] (L)	160 [5'-3"] (L+S)
315 [10'-4"]	150 [4'-11"] (L+S)	160 [5'-3"] (L+S)
310 [10'-2"]	160 [5'-3"] (L)	160 [5'-3"] (L+S)
325 [10'-8"]	160 [5'-3"] (L+S)	160 [5'-3"] (L+S)

2078i-180 [5'-11"] 12



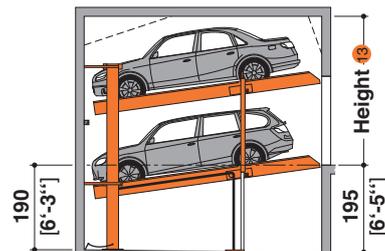
Height	Car height upper level	Car height lower level
305 [10'-0"]	150 [4'-11"] (L)	165 [5'-5"] (L+S)
320 [10'-6"]	150 [4'-11"] (L+S)	165 [5'-5"] (L+S)
320 [10'-6"]	165 [5'-5"] (L)	165 [5'-5"] (L+S)
335 [11'-0"]	165 [5'-5"] (L+S)	165 [5'-5"] (L+S)

2078i-185 [6'-1"]



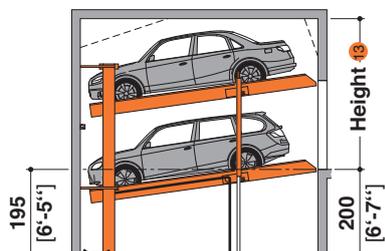
Height	Car height upper level	Car height lower level
310 [10'-2"]	150 [4'-11"] (L)	170 [5'-7"] (L+S)
325 [10'-8"]	150 [4'-11"] (L+S)	170 [5'-7"] (L+S)
330 [10'-10"]	170 [5'-7"] (L)	170 [5'-7"] (L+S)
345 [11'-4"]	170 [5'-7"] (L+S)	170 [5'-7"] (L+S)

2078i-190 [6'-3"]



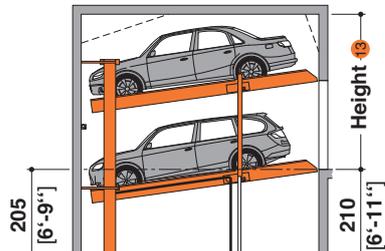
Height	Car height upper level	Car height lower level
315 [10'-4"]	150 [4'-11"] (L)	175 [5'-9"] (L+S)
330 [10'-10"]	150 [4'-11"] (L+S)	175 [5'-9"] (L+S)
340 [11'-2"]	175 [5'-9"] (L)	175 [5'-9"] (L+S)
355 [11'-8"]	175 [5'-9"] (L+S)	175 [5'-9"] (L+S)

2078i-195 [6'-5"]



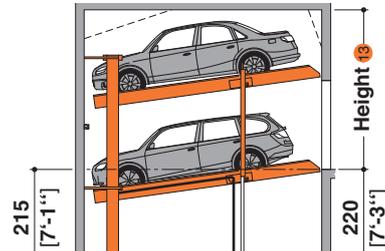
Height	Car height upper level	Car height lower level
320 [10'-6"]	150 [4'-11"] (L)	180 [5'-11"] (L+S)
335 [11'-0"]	150 [4'-11"] (L+S)	180 [5'-11"] (L+S)
350 [11'-6"]	180 [5'-11"] (L)	180 [5'-11"] (L+S)
365 [12'-0"]	180 [5'-11"] (L+S)	180 [5'-11"] (L+S)

2078i-205 [6'-9"]



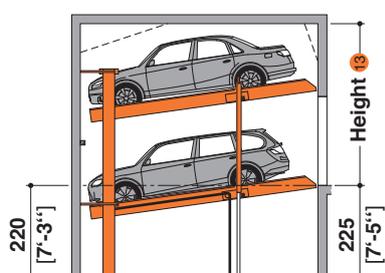
Height	Car height upper level	Car height lower level
330 [10'-10"]	150 [4'-11"] (L)	190 [6'-3"] (L+S)
345 [11'-4"]	150 [4'-11"] (L+S)	190 [6'-3"] (L+S)
370 [12'-2"]	190 [6'-3"] (L)	190 [6'-3"] (L+S)
385 [12'-8"]	190 [6'-3"] (L+S)	190 [6'-3"] (L+S)

2078i-215 [7'-1"]



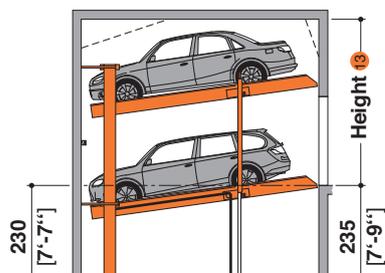
Height	Car height upper level	Car height lower level
340 [11'-2"]	150 [4'-11"] (L)	200 [6'-7"] (L+S)
355 [11'-8"]	150 [4'-11"] (L+S)	200 [6'-7"] (L+S)
390 [12'-10"]	200 [6'-7"] (L)	200 [6'-7"] (L+S)
405 [13'-3"]	200 [6'-7"] (L+S)	200 [6'-7"] (L+S)

2078i-220 [7'-3"]



Height	Car height upper level	Car height lower level
345 [11'-4"]	150 [4'-11"] (L)	205 [6'-9"] (L+S)
360 [11'-10"]	150 [4'-11"] (L+S)	205 [6'-9"] (L+S)
400 [13'-1"]	205 [6'-9"] (L)	205 [6'-9"] (L+S)
415 [13'-7"]	205 [6'-9"] (L+S)	205 [6'-9"] (L+S)

2078i-230 [7'-7"]



Height	Car height upper level	Car height lower level
355 [11'-8"]	150 [4'-11"] (L)	215 [10'-4"] (L+S)
370 [12'-2"]	150 [4'-11"] (L+S)	215 [10'-4"] (L+S)
420 [13'-9"]	215 [10'-4"] (L)	215 [10'-4"] (L+S)
435 [14'-3"]	215 [10'-4"] (L+S)	215 [10'-4"] (L+S)

12 Standard type

13 If a higher ceiling height is available higher cars can be parked.

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

Page 9
Electrical
installation

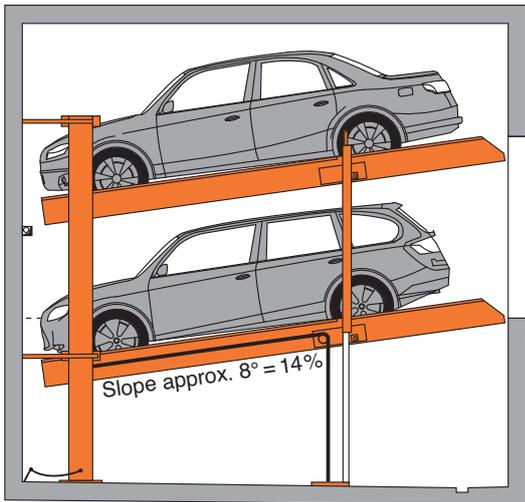
Page 10
Technical
data

Page 11
To be performed by the customer

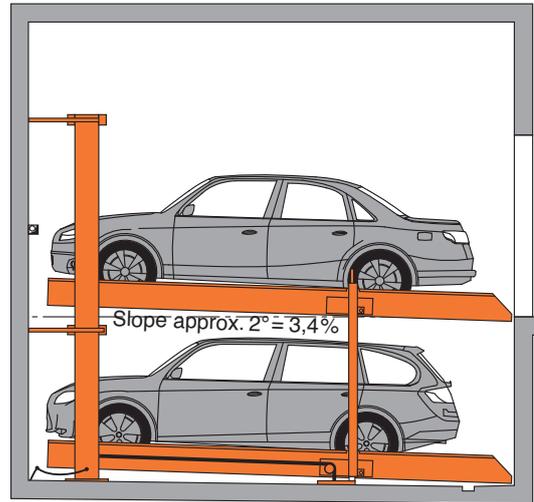
Page 12
Description

Function

System lifted



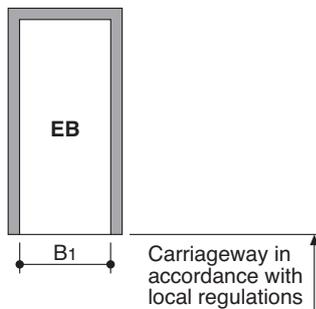
System lowered



Width dimensions for garage without door (basement garage)

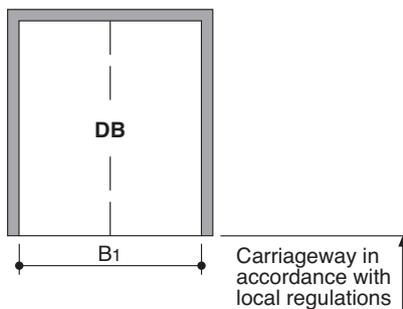
Dividing walls

Single Platform (EB)



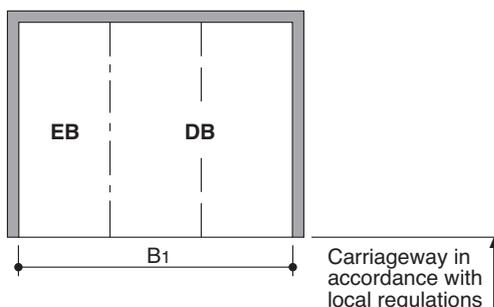
Usable platform width		B1	
230 [7'-7"	240 [7'-10"	260 [8'-6"	270 [8'-10"
250 [8'-2"	260 [8'-6"	280 [9'-2"	290 [9'-6"
270 [8'-10"		300 [9'-10"	

Double Platform (DB)



Usable platform width		B1	
460 [15'-1"	470 [15'-5"	480 [15'-9"	490 [16'-1"
490 [16'-1"	500 [16'-5"	510 [16'-9"	520 [17'-1"
500 [16'-5"	510 [16'-9"	520 [17'-1"	530 [17'-5"
520 [17'-1"	530 [17'-5"	540 [17'-9"	550 [18'-1"
540 [17'-9"		560 [18'-4"	570 [18'-8"

Single and Double Platform (EB + DB) – Example



Usable platform width		B1	
230 + 460 [7'-7" + 15'-1"	240 + 470 [7'-10" + 15'-5"	250 + 480 [8'-2" + 15'-9"	260 + 490 [8'-6" + 16'-1"
270 + 500 [8'-10" + 16'-5"	270 + 510 [8'-10" + 16'-9"	270 + 520 [8'-10" + 17'-1"	270 + 530 [8'-10" + 17'-5"
270 + 540 [8'-10" + 17'-9"		750 [24'-7"	770 [25'-3"
		790 [25'-11"	810 [26'-7"
		830 [27'-3"	840 [27'-7"
		850 [27'-11"	860 [28'-3"
		870 [28'-7"	



For parking boxes on the edges and boxes with intermediate walls we recommend our maximum platform width of 270 cm [8'-10"] for single platforms and 540 cm [17'-9"] for double platforms. Problems may occur if smaller platform widths are used (depending on car type, access and individual driving behaviour and capability).

For larger limousines and SUV wider driveways are necessary (in particular on the boxes on the sides due to the missing manoeuvring radius).

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

Page 9
Electrical
installation

Page 10
Technical
data

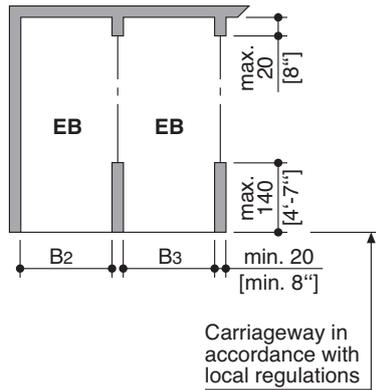
Page 11
To be per-
formed by the
customer

Page 12
Description

Width dimensions for garage without door (basement garage)

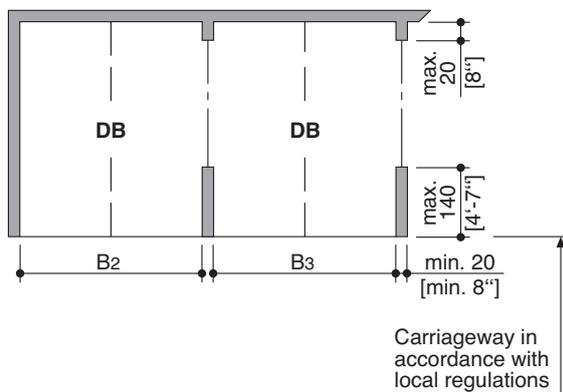
Columns in pit

Single Platform (EB)



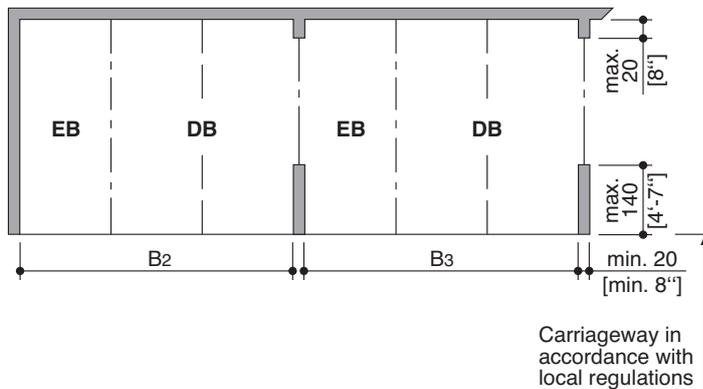
Usable platform width	B2	B3
230 [7'-7"]	255 [8'-4"]	245 [8'-0"]
240 [7'-10"]	265 [8'-8"]	255 [8'-4"]
250 [8'-2"]	275 [9'-0"]	265 [8'-8"]
260 [8'-6"]	285 [9'-4"]	275 [9'-0"]
270 [8'-10"]	295 [9'-8"]	285 [9'-4"]

Double Platform (DB)



Usable platform width	B2	B3
460 [15'-1"]	485 [15'-11"]	475 [15'-7"]
470 [15'-5"]	495 [16'-3"]	485 [15'-11"]
480 [15'-9"]	505 [16'-7"]	495 [16'-3"]
490 [16'-1"]	515 [16'-11"]	505 [16'-7"]
500 [16'-5"]	525 [17'-3"]	515 [16'-11"]
510 [16'-9"]	535 [17'-7"]	525 [17'-3"]
520 [17'-1"]	545 [17'-11"]	535 [17'-7"]
530 [17'-5"]	555 [18'-3"]	545 [17'-11"]
540 [17'-9"]	565 [18'-6"]	555 [18'-3"]

Single and Double Platform (EB + DB) – Example



Usable platform width	B2	B3
230 + 460 [7'-7" + 15'-1"]	745 [24'-5"]	735 [24'-1"]
240 + 470 [7'-10" + 15'-5"]	765 [25'-1"]	755 [24'-9"]
250 + 480 [8'-2" + 15'-9"]	785 [25'-9"]	775 [25'-5"]
250 + 500 [8'-2" + 16'-5"]	805 [26'-5"]	795 [26'-1"]
270 + 500 [8'-10" + 16'-5"]	825 [27'-1"]	815 [26'-9"]
270 + 510 [8'-10" + 16'-9"]	835 [27'-5"]	825 [27'-1"]
270 + 520 [8'-10" + 17'-1"]	845 [27'-9"]	835 [27'-5"]
270 + 530 [8'-10" + 17'-5"]	855 [28'-1"]	845 [27'-9"]
270 + 540 [8'-10" + 17'-9"]	865 [28'-5"]	855 [28'-1"]



For parking boxes on the edges and boxes with intermediate walls we recommend our maximum platform width of 270 cm [8'-10"] for single platforms and 540 cm [17'-9"] for double platforms. Problems may occur if smaller platform widths are used (depending on car type, access and individual driving behaviour and capability).

For larger limousines and SUV wider driveways are necessary (in particular on the boxes on the sides due to the missing manoeuvring radius).

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

Page 9
Electrical
installation

Page 10
Technical
data

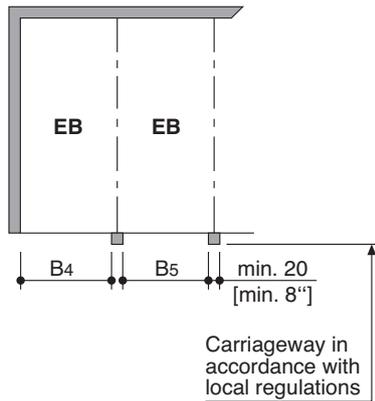
Page 11
To be performed by the customer

Page 12
Description

Width dimensions for garage without door (basement garage)

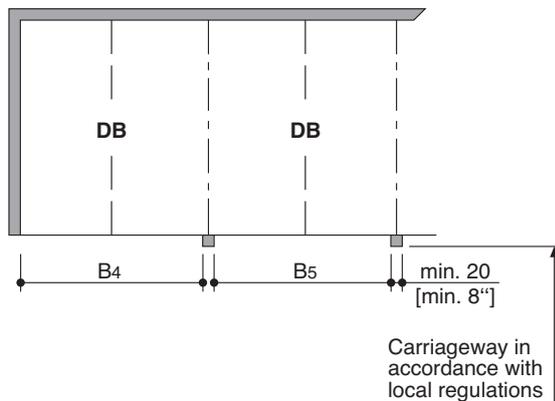
Columns outside pit

Single Platform (EB)



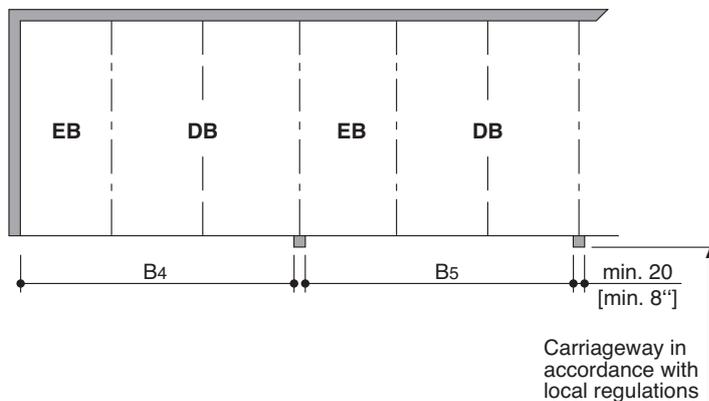
Usable platform width	B4	B5
230 [7'-7"]	250 [8'-2"]	240 [7'-10"]
240 [7'-10"]	260 [8'-6"]	250 [8'-2"]
250 [8'-2"]	270 [8'-10"]	260 [8'-6"]
260 [8'-6"]	280 [9'-2"]	270 [8'-10"]
270 [8'-10"]	290 [9'-6"]	280 [9'-2"]

Double Platform (DB)



Usable platform width	B4	B5
460 [15'-1"]	480 [15'-9"]	470 [15'-5"]
470 [15'-5"]	490 [16'-1"]	480 [15'-9"]
480 [15'-9"]	500 [16'-5"]	490 [16'-1"]
490 [16'-1"]	510 [16'-9"]	500 [16'-5"]
500 [16'-5"]	520 [17'-1"]	510 [16'-9"]
510 [16'-9"]	530 [17'-5"]	520 [17'-1"]
520 [17'-1"]	540 [17'-9"]	530 [17'-5"]
530 [17'-5"]	550 [18'-1"]	540 [17'-9"]
540 [17'-9"]	560 [18'-4"]	550 [18'-1"]

Single and Double Platform (EB + DB) – Example



Usable platform width	B4	B5
230 + 460 [7'-7" + 15'-1"]	740 [24'-3"]	730 [23'-11"]
240 + 470 [7'-10" + 15'-5"]	760 [24'-11"]	750 [24'-7"]
250 + 480 [8'-2" + 15'-9"]	780 [25'-7"]	770 [25'-3"]
250 + 500 [8'-2" + 16'-5"]	800 [26'-3"]	790 [25'-11"]
270 + 500 [8'-10" + 16'-5"]	820 [26'-11"]	810 [26'-7"]
270 + 510 [8'-10" + 16'-9"]	830 [27'-2"]	820 [26'-11"]
270 + 520 [8'-10" + 17'-1"]	840 [27'-7"]	830 [27'-3"]
270 + 530 [8'-10" + 17'-5"]	850 [27'-11"]	840 [27'-7"]
270 + 540 [8'-10" + 17'-9"]	860 [28'-2"]	850 [27'-11"]

! For parking boxes on the edges and boxes with intermediate walls we recommend our maximum platform width of 270 cm [8'-10"] for single platforms and 540 cm [17'-9"] for double platforms. Problems may occur if smaller platform widths are used (depending on car type, access and individual driving behaviour and capability).

For larger limousines and SUV wider driveways are necessary (in particular on the boxes on the sides due to the missing manoeuvring radius).

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

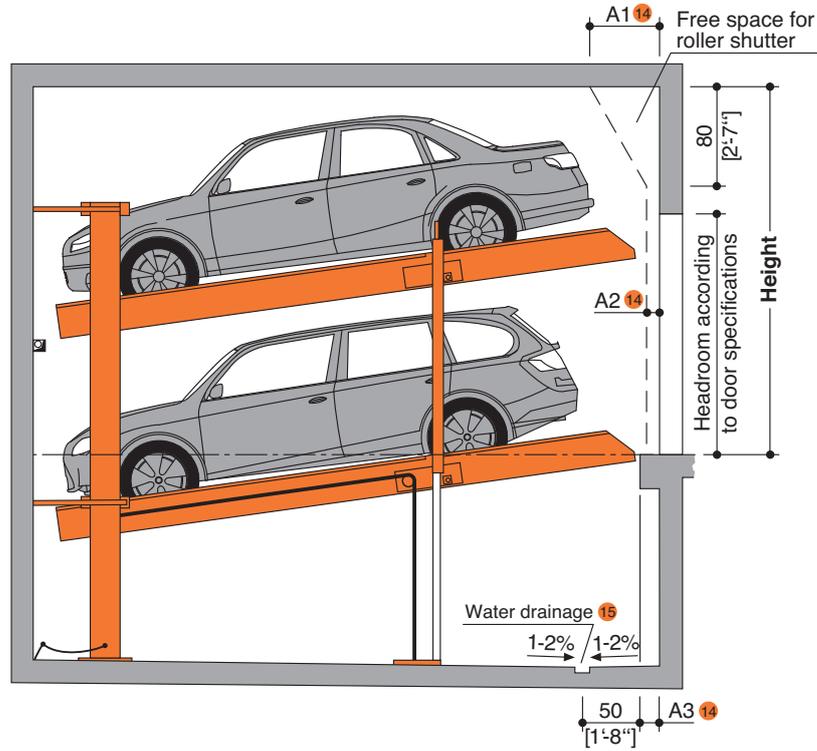
Page 9
Electrical
installation

Page 10
Technical
data

Page 11
To be performed by the customer

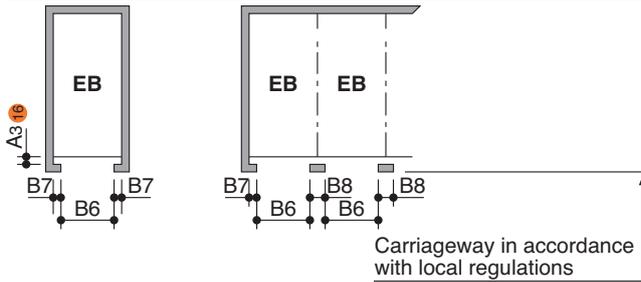
Page 12
Description

Garage with door



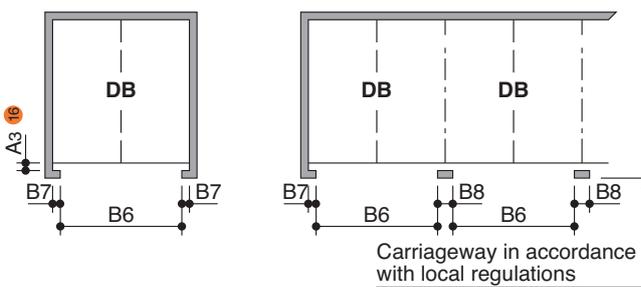
Width dimensions for garage with door

Single platform (EB)



Usable platform width	Door entrance width B6	B7	B8
230 [7'-7"]	230 [7'-7"]	15 [6"]	30 [12"]
240 [7'-10"]	240 [7'-10"]	15 [6"]	30 [12"]
250 [8'-2"]	250 [8'-2"]	15 [6"]	30 [12"]
260 [8'-6"]	260 [8'-6"]	15 [6"]	30 [12"]
270 [8'-10"]	270 [8'-10"]	15 [6"]	30 [12"]

Double platform (DB)



Usable platform width	Door entrance width B6	B7	B8
460 [15'-1"]	460 [15'-1"]	15 [6"]	30 [12"]
470 [15'-5"]	470 [15'-5"]	15 [6"]	30 [12"]
480 [15'-9"]	480 [15'-9"]	15 [6"]	30 [12"]
490 [16'-1"]	490 [16'-1"]	15 [6"]	30 [12"]
500 [16'-5"]	500 [16'-5"]	15 [6"]	30 [12"]
510 [16'-9"]	510 [16'-9"]	15 [6"]	30 [12"]
520 [17'-1"]	520 [17'-1"]	15 [6"]	30 [12"]
530 [17'-5"]	530 [17'-5"]	15 [6"]	30 [12"]
540 [17'-9"]	540 [17'-9"]	15 [6"]	30 [12"]

! For parking boxes on the edges and boxes with intermediate walls we recommend our maximum platform width of 270 cm [8'-10"] for single platforms and 540 cm [17'-9"] for double platforms. Problems may occur if smaller platform widths are used (depending on car type, access and individual driving behaviour and capability).

For larger limousines and SUV wider driveways are necessary (in particular on the boxes on the sides due to the missing manoeuvring radius).

14 Dimensions A1, A2 and A3 must be coordinated with the door supplier (provided by the customer).

15 Slope with drainage channel and sump.

16 Seat-engaging surface (dimensions require coordination with door supplier.) Allround door dimensions require coordination between door supplier and local agency of KLAUS Multiparking.

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

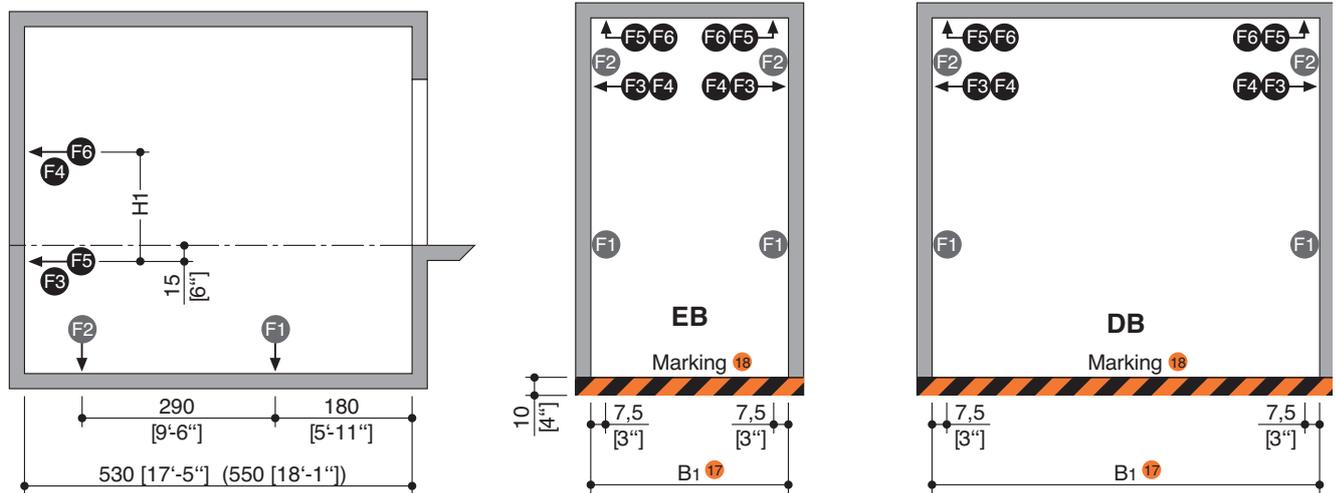
Page 9
Electrical
installation

Page 10
Technical
data

Page 11
To be performed
by the
customer

Page 12
Description

Load plan



Platform load in kg

Platform load	F1	F2	F3	F4	F5	F6
EB 2000 kg	+28 -1,7	+12	±1	±0,8	±1,9	±1,9
EB 2600 kg	+36 -2,2	+15	±1,3	±1	±2,4	±2,4
EB 3000 kg	+42 -2,4	+17	±1,5	±1,2	±2,7	±2,7
DB 2000 kg	+51 -6,7	+20	±1,6	±2,6	±3,4	±3,4
DB 2600 kg	+67 -8,6	+26	±2,1	±3,4	±4,4	±4,4

Platform load in lbs

Platform load	F1	F2	F3	F4	F5	F6
EB 4400 lbs	+6,295 -382	+2,698	±225	±180	±427	±427
EB 5730 lbs	+8,093 -495	+3,372	±292	±225	±540	±540
EB 6610 lbs	+9,442 -540	+3,822	±337	±270	±607	±607
DB 4400 lbs	+11,465 -1,506	+4,496	±360	±585	±764	±764
DB 5730 lbs	+15,062 -1,933	+5,845	±472	±764	±989	±989

Type	H1
2078i-165 [5'-5"]	150 [4'-11"]
2078i-170 [5'-7"]	155 [5'-1"]
2078i-175 [5'-9"]	160 [5'-3"]
2078i-180 [5'-11"]	165 [5'-5"]
2078i-185 [6'-1"]	170 [5'-7"]
2078i-190 [6'-3"]	175 [5'-9"]
2078i-195 [6'-5"]	180 [5'-11"]
2078i-205 [6'-9"]	190 [6'-3"]
2078i-215 [7'-1"]	200 [6'-7"]
2078i-220 [7'-3"]	205 [6'-9"]
2078i-230 [7'-7"]	215 [7'-1"]



Units are doweled to the floor. Drilling depth: approx. 15 cm [6"].

Floor and walls below the drive-in level are to be made of concrete (quality minimum C20/25)!

The dimensions for the points of support are rounded values. If the exact position is required, please contact KLAUS Multiparking.

¹⁷ Dimension B1 see page 3

¹⁸ Marking compliant to ISO 3864 (colors used in this illustration are not ISO 3864 compliant)

¹⁹ All forces in kN

²⁰ All forces in lbf

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

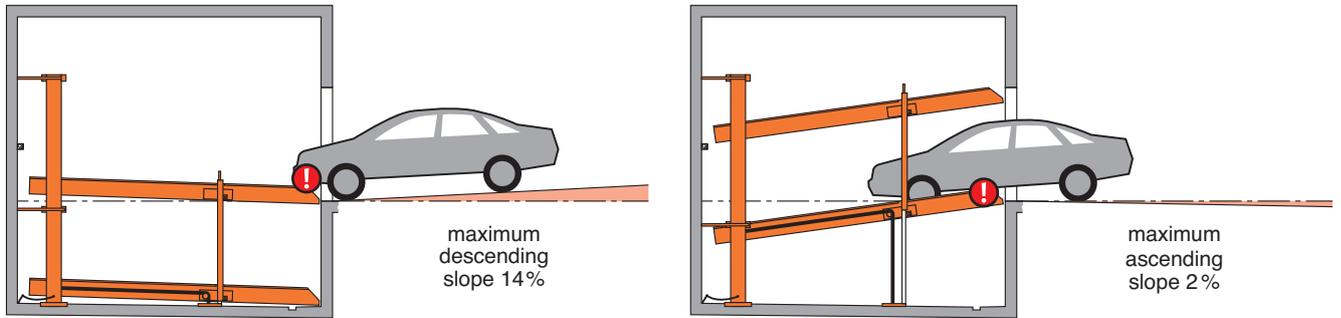
Page 9
Electrical
installation

Page 10
Technical
data

Page 11
To be performed by the customer

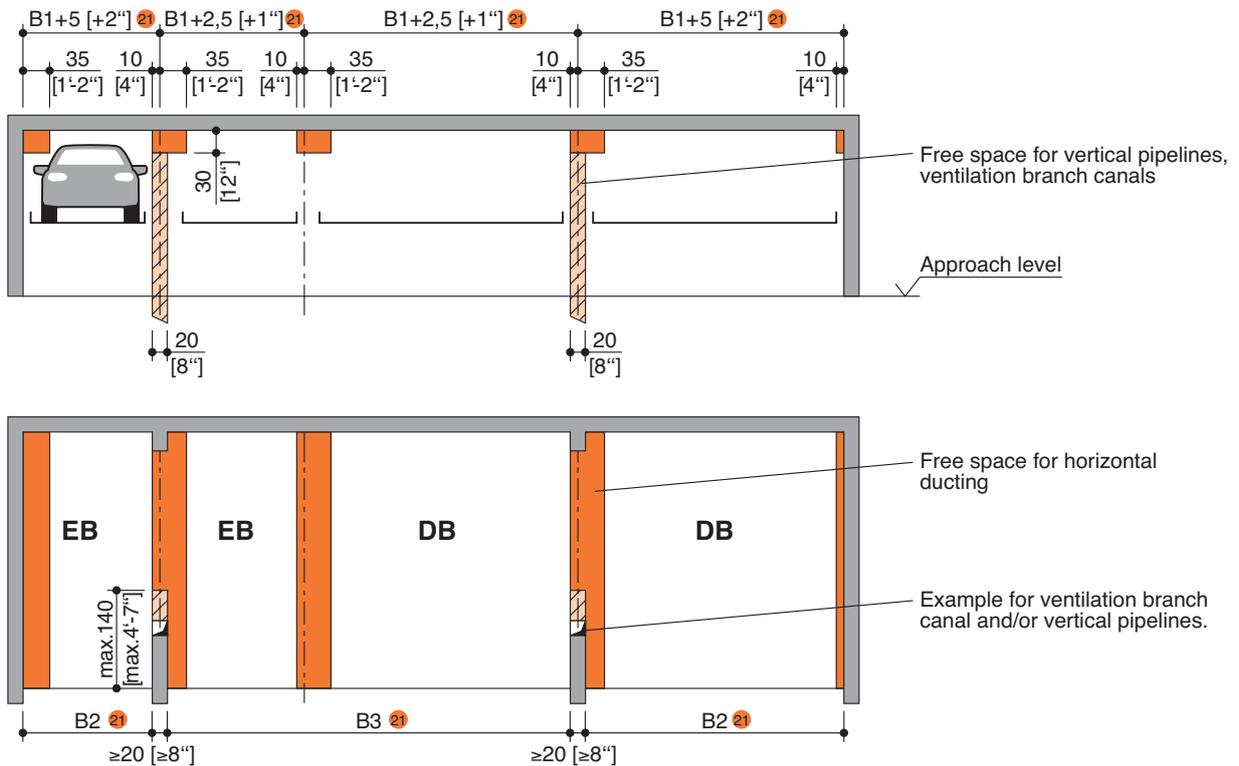
Page 12
Description

Approach



! The illustrated maximum approach angles must not be exceeded. Incorrect approach angles will cause serious manoeuvring & positioning problems on the parking system for which the local agency of KLAUS Multiparking accepts no responsibility.

Installation data – Free space for longitudinal and vertical ducts (e.g. ventilation)



! Free space only applicable if vehicle is parked forwards = FRONT FIRST and driver's door on the left side.

21 Dimensions B1, B2 and B3 see page 3 to 4

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

Page 9
Electrical
installation

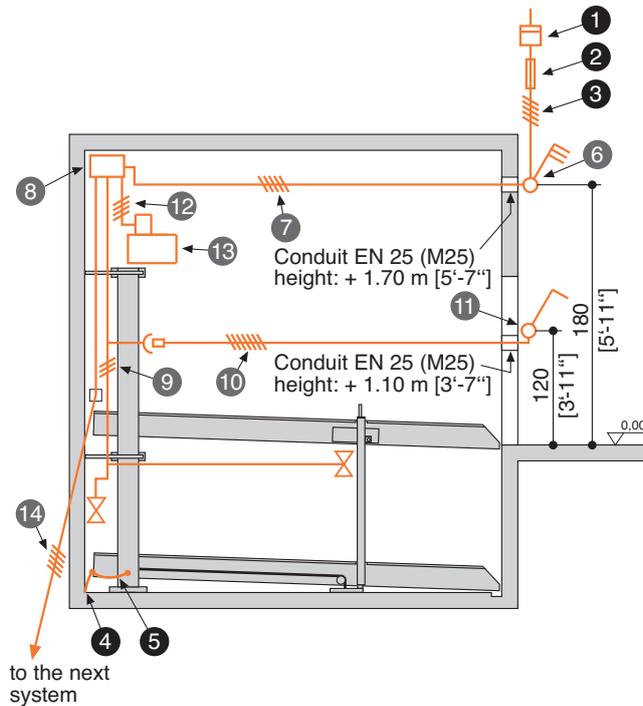
Page 10
Technical
data

Page 11
To be per-
formed by
the customer

Page 12
Description

Electrical installation

Installation diagram



Electrical data (to be performed by the customer)

No.	Quantity	Description	Position	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 or C) 3 x fuse 20 A (slow) or circuit breaker 3 x 20 A (trigger characteristic K or C) 2 x fuse 32 A (slow) or circuit breaker 2 x 32 A (trigger characteristic K or C) 3 x fuse 25 A (slow) or circuit breaker 3 x 25 A (trigger characteristic K or C)	in the supply line	1 per 3,0 kW unit 1 per 5,2 kW unit 1 per 4,0 kW unit
3	1	Supply line 5 x 2,5 mm ² (3 PH + N + PE) with marked wire and protective conductor Supply line 5 x AWG 10 (2 PH + PE) with marked wire and protective conductor Supply line 5 x AWG 12 (3 PH + PE) with marked wire and protective conductor	to main switch	1 per 3,0 kW or 5,2 kW unit 1 per 3,7 kW unit 1 per 4,0 kW unit
4	every 10 m	Foundation earth connector	corner pit floor	
5	1	Equipotential bonding in accordance with DIN EN 60204 from foundation earth connector to the system		1 per system

Electrical data (included in delivery of KLAUS Multiparking)

No.	Description
6	Lockable main switch
7	Supply line 5 x 2,5 mm ² (3 PH + N + PE) with marked wire and protective conductor (for 3,0 kW and 5,2 kW unit) Supply line 5 x AWG 10 (2 PH + PE) with marked wire and protective conductor (for 3,7 kW unit) Supply line 5 x AWG 12 (3 PH + PE) with marked wire and protective conductor (for 4,0 kW unit)
8	Junction box unit
9	Wiring harness multiparking system
10	Connection cable (operating device)
11	Operating device
12	Control line 4 x 2,5 mm ² [4 x AWG 14] with marked wire and protective conductor
13	Hydraulic unit 3,0 kW/5,2 kW, three-phase current, 230/400 V / 50 Hz ²² Hydraulic unit 3,7 kW, two-phase current, 240 V / 60 Hz Hydraulic unit 4,0 kW, three-phase current, 120/208 V / 60 Hz
14	Connection cable to the next system

²² Unit with 5,2 kW only for 2078i DB 2600 kg [5730 lbs]

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

Page 9
Electrical
installation

Page 10
Technical
data

Page 11
To be performed by the customer

Page 12
Description

To be performed by the customer

Safety fences

Any constraints that may be necessary according to DIN EN ISO 13857 in order to provide protection for the park pits for pathways directly in front, next to or behind the unit. This is also valid during construction. Railings for the system are included in the series delivery when necessary.

Numbering of parking spaces

Consecutive numbering of parking spaces.

Building services

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

Drainage

For the front area of the pit we recommend a drainage channel, which you connect to a floor drain system or sump (50 x 50 x 20 cm) [1'-8" x 1'-8" x 8"]. The drainage channel may be inclined to the side, however not the pit floor itself (longitudinal incline is available). For reasons of environmental protection we recommend to paint the pit floor, and to provide oil and petrol separators in the connections to the public sewage network.

Strip footings

If due to structural conditions strip footings must be effected, the customer shall provide an accessible platform reaching to the top of the said strip footings to enable and facilitate themounting work.

Marking

In compliance with DIN EN 14010, 10 cm [4"] 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.

Wall cuttings

Any necessary wall cuttings according to page 1.

Electrical supply to the main switch / Foundation earth connector

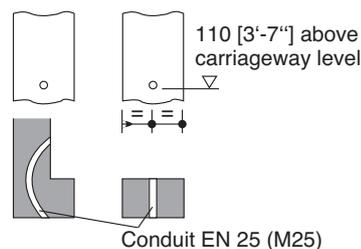
Suitable electrical supply to the main switch must be provided by the customer during installation. The functionality can be monitored on site by our fitters together with the electrician. If this cannot be done during installation for some reason for which the customer is responsible, the customer must 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 [32'-10"]).

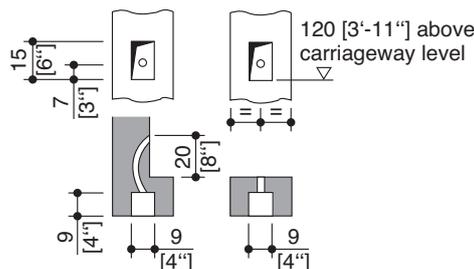
Operating device

Cable conduits and recesses for operating device (for double wing doors: please contact the local agency of KLAUS Multiparking).

Operating device exposed



Operating device concealed / Not available for UL operating device



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

Page 1
Section
Car data

Page 2
Height
dimensions

Page 3
Function
Width
dimensions
without door

Page 4
Width
dimensions
without door

Page 5
Width
dimensions
without door

Page 6
Width
dimensions
with door

Page 7
Load plan

Page 8
Approach
Installation

Page 9
Electrical
installation

Page 10
Technical
data

Page 11
To be performed by the customer

Page 12
Description

Description Single platform (EB) and Double platform (DB)

General description

Multiparking system providing independent parking spaces for 2 cars (EB), 2 x 2 cars (DB), one on top of the other each.

Dimensions are in accordance with the underlying dimensions of parking pit, height and width.

The parking bays are accessed horizontally (installation deviation $\pm 1\%$ for correct drainage of platforms).

Due to the special lifting and bearing construction lifting of the doors is not restricted.

Vehicles are positioned on each parking space using wheel stops on the right side (adjust according to operating instructions).

Operation via operating device with hold-to-run-device using master keys.

The operating elements are usually mounted either in front of the column or on the outside of the door frame.

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.

Multiparking system consisting of:

- 2 steel pillars (mounted on the floor)
- 2 sliding platforms (mounted to the steel pillars with sliding bearings)
- 2 platforms
- 1 electro-hydraulic synchronization control system (to ensure synchronous operation of the hydraulic cylinders while lowering and lifting the platform)
- 2 hydraulic cylinders
- 2 rigid supports (connect the platforms)
- 2 chains and pocket wheels
- 2 automatic hydraulic safety valves (prevents accidental lowering of the platform while accessing the platform)
- Dowels, screws, connecting elements, bolts, etc.
- The platforms and parking spaces are end-to-end accessible for parking!

Platforms consisting of:

- Platform base sections
- Adjustable wheel stops
- Canted access plates
- Side members
- Central side member [only DB]
- Cross members [DB long and short cross members]
- Safety railings – along the upper and lower platform (if required)
- Screws, nuts, washers, distance tubes, etc.

Hydraulic system consisting of:

- Hydraulic cylinder
- Solenoid valves
- Safety valves
- Hydraulic conduits
- Screwed joints
- High-pressure hoses
- Installation material

Electric system consisting of:

- Operating device (Emergency Stop, lock, 1 master key per parking space)
- Control unit with wiring harness and sensors

Hydraulic unit consisting of:

- Hydraulic power unit (low-noise, installed onto a console with a rubber-bonded-to-metal mounting)
- Hydraulic oil reservoir
- Oil filling
- Internal geared wheel pump
- Pump holder
- Clutch
- AC-motor
- Junction box unit with contactor, motor protection switch and control fuse
- Test manometer
- Pressure relief valve
- Hydraulic hoses (which reduce noise transmission onto the hydraulic pipe)

We reserve the right to change this specification without further notice

KLAUS Multiparking reserves the right in the course of technical progress to use newer or other technologies, systems, processes, procedures or standards in the fulfillment of their obligations other than those originally offered provided the customer derives no disadvantage from their so doing.