

## 1 IDEALIFT H2W1



## IDEALIFT H2W1

IDEALIFT allows drivers to park their cars independently

DATA SHEET



WE  
EXPAND  
YOUR PARKING  
CAPACITY

## 2 IDEALIFT H2W1

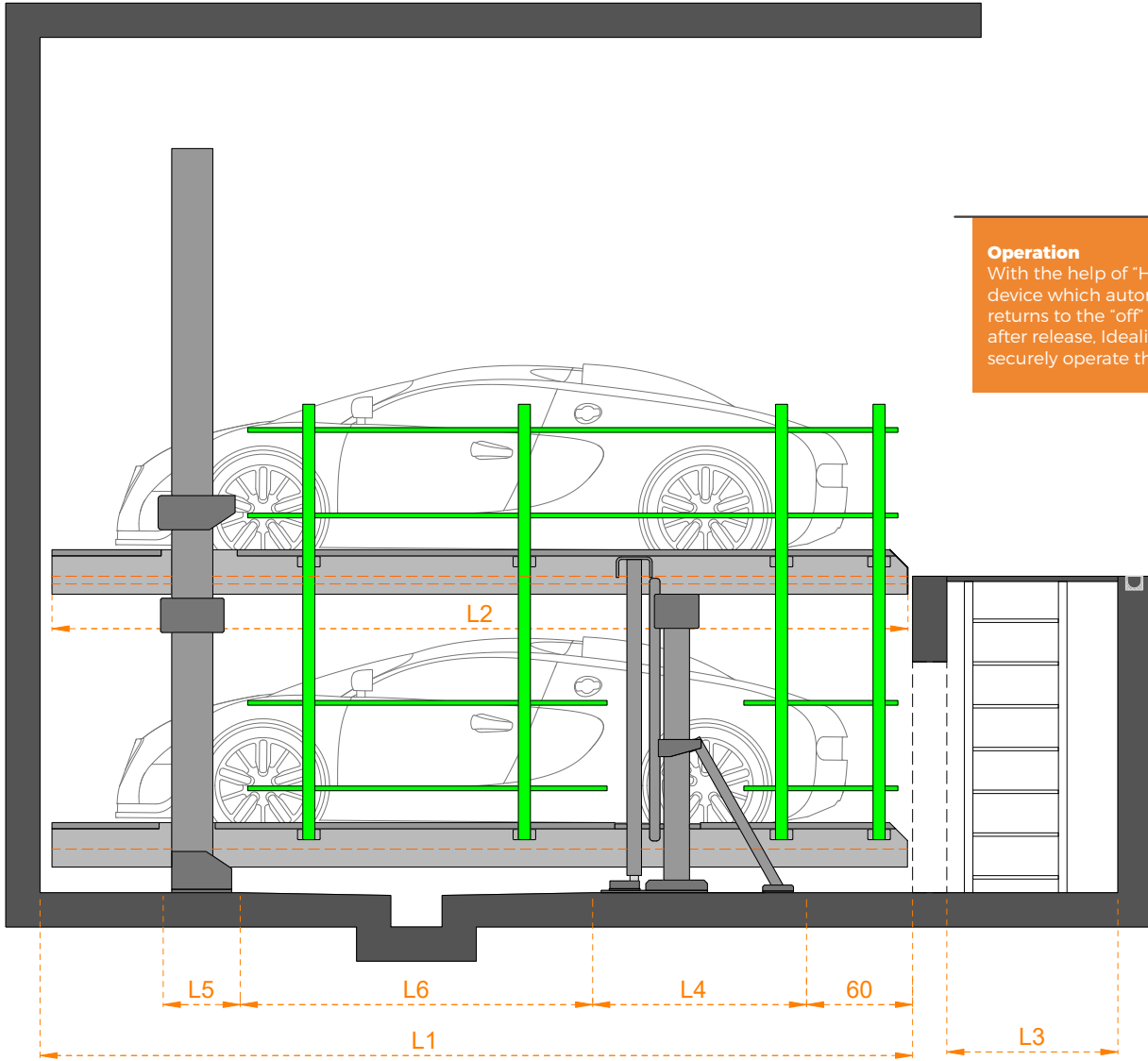
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### GENERAL DESCRIPTION

- ▣ Idealift H2W1 is an independent pit parking system for an indoor application and it allows 2 vehicles to be parked on top of each other in respect to its types in a parking space that merely allows 1 vehicle under normal conditions.
- ▣ Idealift platforms moves vertically.
- ▣ The height, width and length of the platform can be customized according to the customer's request. (see "Length, Height and Width Details", page 3,5 and 6).
- ▣ The lifting capacity of the platforms can be customized according to the customer's request. (see "Loads and Construction Details", page 8).
- ▣ The operating key is installed in front of the columns or on the outside.
- ▣ Hot-dip galvanization is applied to the main construction.
- ▣ All dimensions are minimum and tolerance for dimensions +3/-0 cm.

## LENGTH DETAILS



All dimensions are given in cm.

- Maximum vehicle length dimensions can be like the following table. In case of shorter and longer versions, please consult Sanpark.

## IDEA LENGTH DIMENSIONS

Maximum Vehicle Length	Platform Length (L2)	Required Space (L1)	Gradient Free Space (L4)	Gradient Free Space (L5)	Column Position (L6)
490 cm	500 cm	510 cm	125 cm	45 cm	205 cm
500 cm	510 cm	520 cm	125 cm	45 cm	215 cm
510 cm	520 cm	530 cm	125 cm	45 cm	225 cm

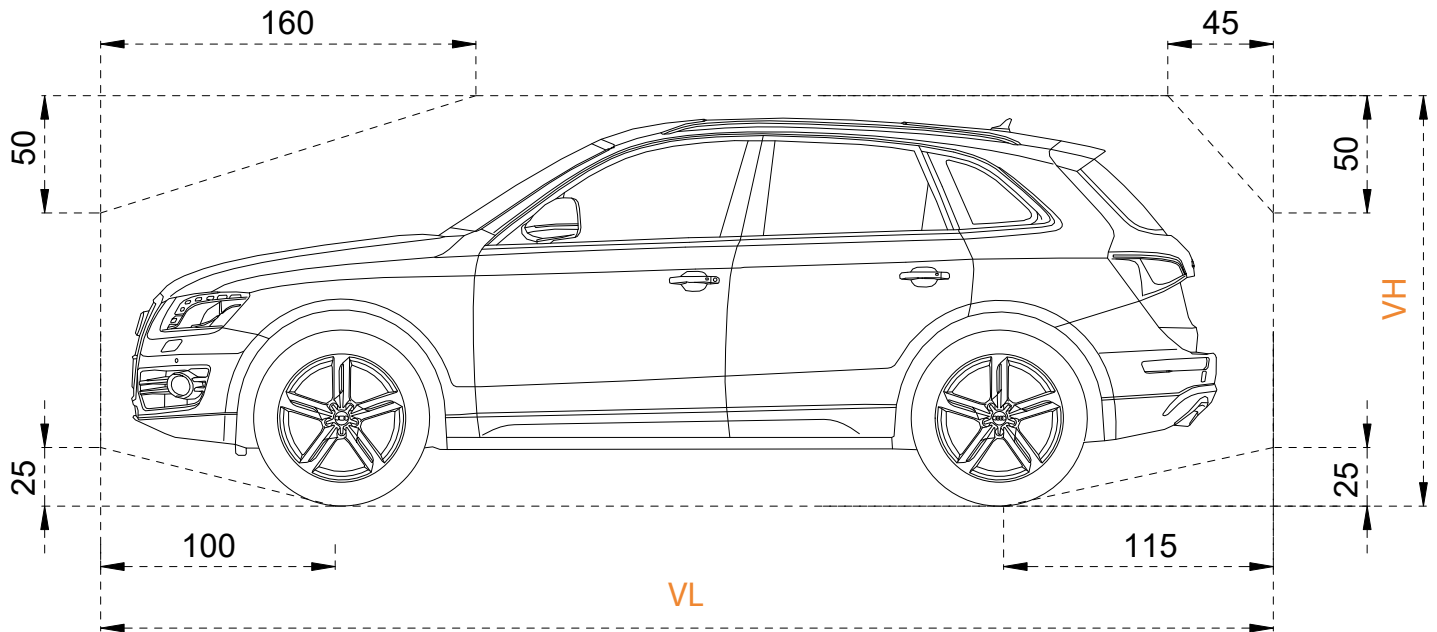
- Gradient free space (L4 and L5) indicates a space where shall be no gradient or slope.
- The position of the (L5) is determined by the position of the column position (L6).

It is not necessary to create a maintenance shaft but we recommend building it for a convenient access to the pit level in times of failure. Maintenance shaft length (L3) shall be at least 100 cm.

## Independent Parking

All parking spaces and vehicles in the system can be used without blocking one another.

## VEHICLE DETAILS, CLEARANCE &amp; DIMENSIONS



Vehicle Length (VL)	see "Length Details", page 3
Vehicle Height (VH)	see "Height Details", page 5
Vehicle Width	see "Width Details", page 6
Vehicle Weight	see "Loads and Construction Details", page 8
Wheel Load	500 KG / 650 KG / 750 KG
Vehicle Types	Saloon, Estate, SUV, Van

The overall vehicle height including roof luggage rails and antenna mounts must not exceed the max. vehicle height dimensions specified

▣ The following car heights shared as a guide to help you to select the platform distance and construction dimensions;

Volkswagen Golf	149 cm
Volkswagen Tiguan	167 cm
Volkswagen T-Roc	160 cm
Volkswagen T-Cross	159 cm
Volkswagen Passat	152 cm
Dacia Sandero	150 cm
Dacia Duster	170 cm
Renault Clio	145 cm
Renault Captur	158 cm
Fiat/Abarth 500	150 cm
Fiat Panda	156 cm

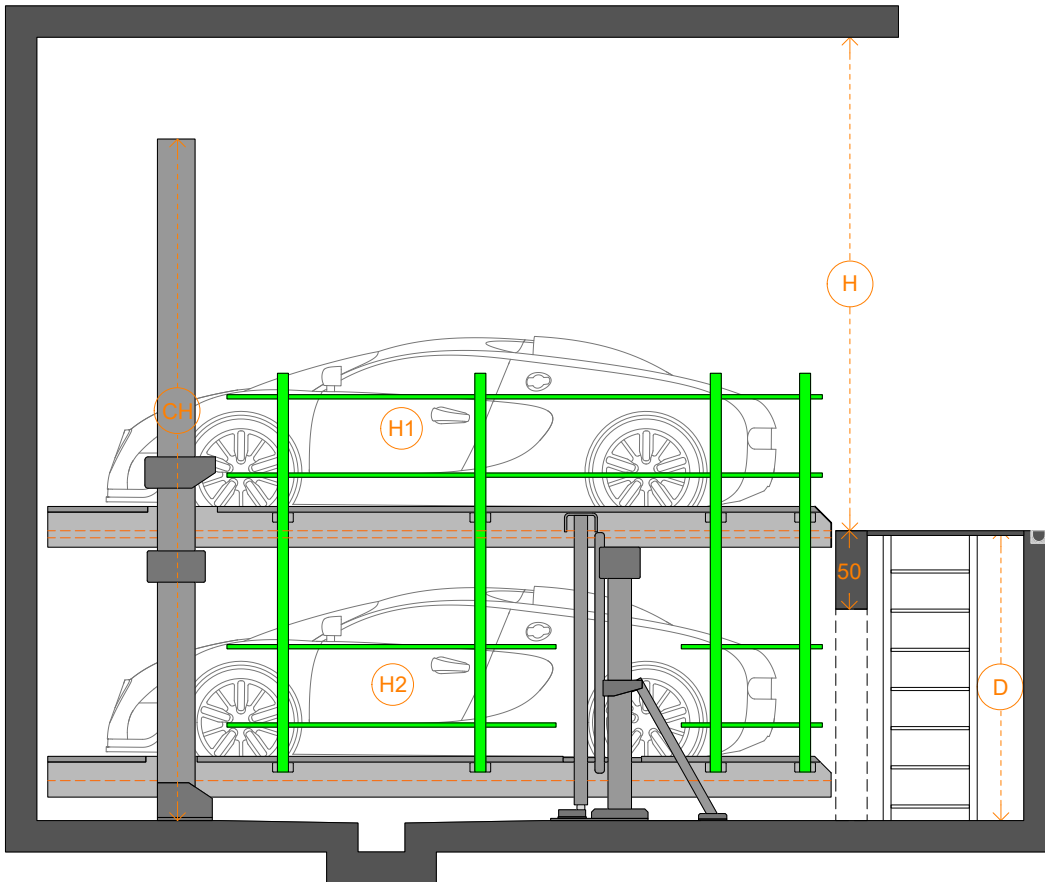
Tesla Model 3	145 cm
Tesla Model X	169 cm
Ford Kuga	169 cm
Ford Puma	156 cm
Mercedes A-Class	146 cm
Mercedes G-Class	198 cm
Mini Hatch	145 cm
Hyundai Kona	156 cm
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Volvo XC40	166 cm
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Peugeot 208	146 cm
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Peugeot 3008	163 cm
Toyota Corolla	144 cm
Toyota Yaris	151 cm
Toyota RAV4	169 cm
Toyota Camry	145 cm
Citroen C3	161 cm
Porsche Macan	163 cm
Porsche Cayenne	168 cm
BMW 3-Series	143 cm
BMW iX	170 cm
BMW X5	175 cm
Volvo XC 90	178 cm
Land Rover Discovery	189 cm
Land Rover Range Sport	180 cm

All vehicle heights may vary due to the wide range of models and manufacturing year.



## HEIGHT DETAILS



- ▣ The table below indicates vehicle heights (**H1-H2**) and their corresponding operation height (**H**). Various versions are available upon request so please contact to have technical support if it is necessary.
- ▣ We recommend that the dimension of (**H2**) is more than average human height!
- ▣ While the height of the lower-level vehicle (**H2**) is between 150 cm and 180 cm, Idea column height (**CH**) is 435 cm. While the height of the lower-level vehicle (**H2**) is between 185 cm and 200 cm, Idea column height (**CH**) is 475 cm. While the height of the lower-level vehicle (**H2**) is 205 cm, Idea column height (**CH**) is 485 cm.
- ▣ Maintenance shaft beam is supposed to be minimum 50 cm.

		Upper-Level Vehicle Height ( <b>H1</b> )											Required Clearance Height ( <b>H</b> )
		150	155	160	165	170	175	180	185	190	195	200	
Lower-Level Vehicle Height ( <b>H2</b> )	150	315	320	325	330	335	340	345	350	355	360	365	370
	155	320	325	330	335	340	345	350	355	360	365	370	375
	160	325	330	335	340	345	350	355	360	365	370	375	380
	165	330	335	340	345	350	355	360	365	370	375	380	385
	170	335	340	345	350	355	360	365	370	375	380	385	390
	175	340	345	350	355	360	365	370	375	380	385	390	395
	180	345	350	355	360	365	370	375	380	385	390	395	400
	185	350	355	360	365	370	375	380	385	390	395	400	405
	190	355	360	365	370	375	380	385	390	395	400	405	410
	195	360	365	370	375	380	385	390	395	400	405	410	415
	200	365	370	375	380	385	390	395	400	405	410	415	420
	205	370	375	380	385	390	395	400	405	410	415	420	425

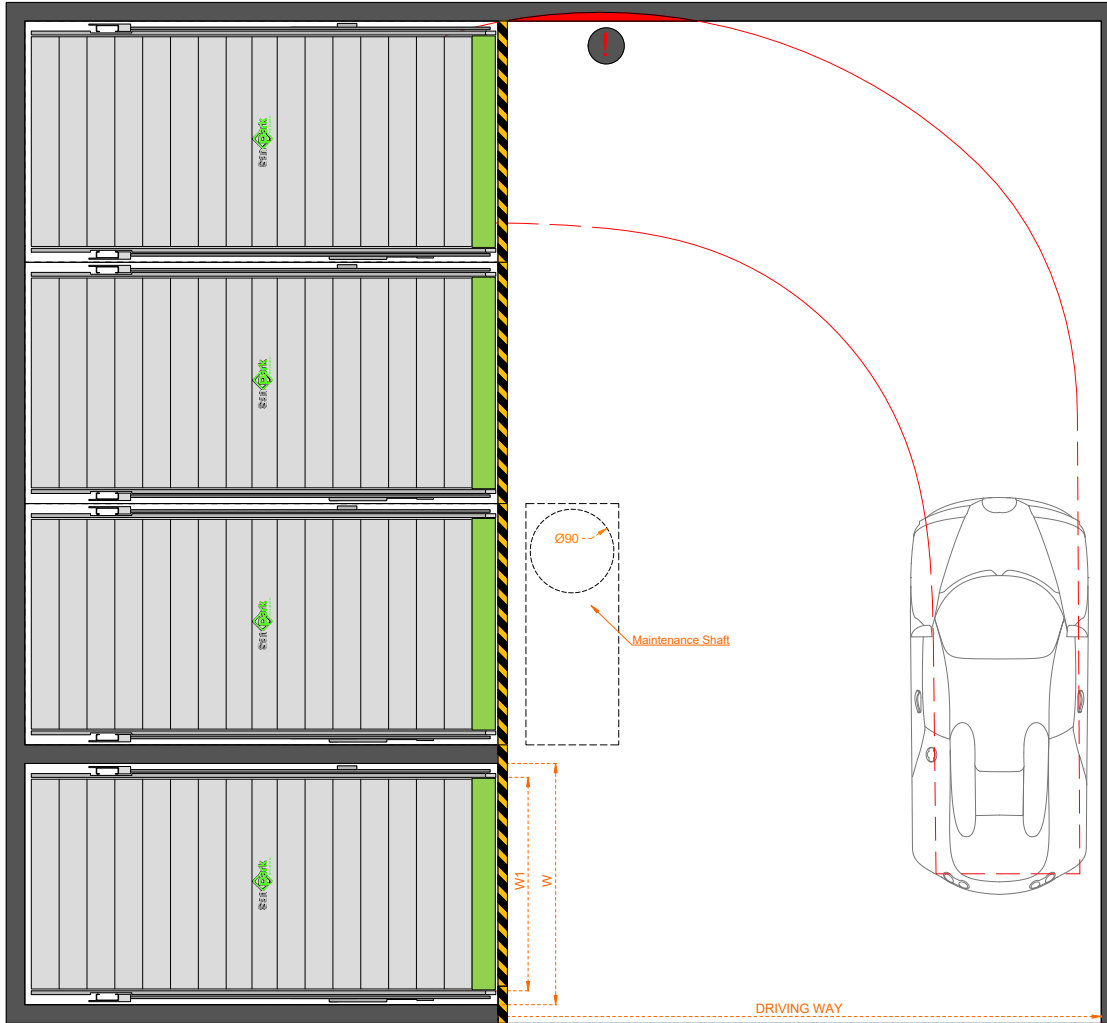
All dimensions are given in cm.

- ▣ The following table shows required pit depth for specific vehicle height in the pit (**H2**).

## IDEA H2W1 PIT DIMENSIONS

Car Height ( <b>H1</b> )	150 cm	155 cm	160 cm	165 cm	170 cm	175 cm	180 cm	185 cm	190 cm	195 cm	200 cm	205 cm
Pit Depth ( <b>D</b> )	185 cm	190 cm	195 cm	200 cm	205 cm	200 cm	215 cm	220 cm	225 cm	230 cm	235 cm	240 cm

## WIDTH DIMENSIONS



- The following figures demonstrate the required width for parking areas and their correspondence to clear platform width.

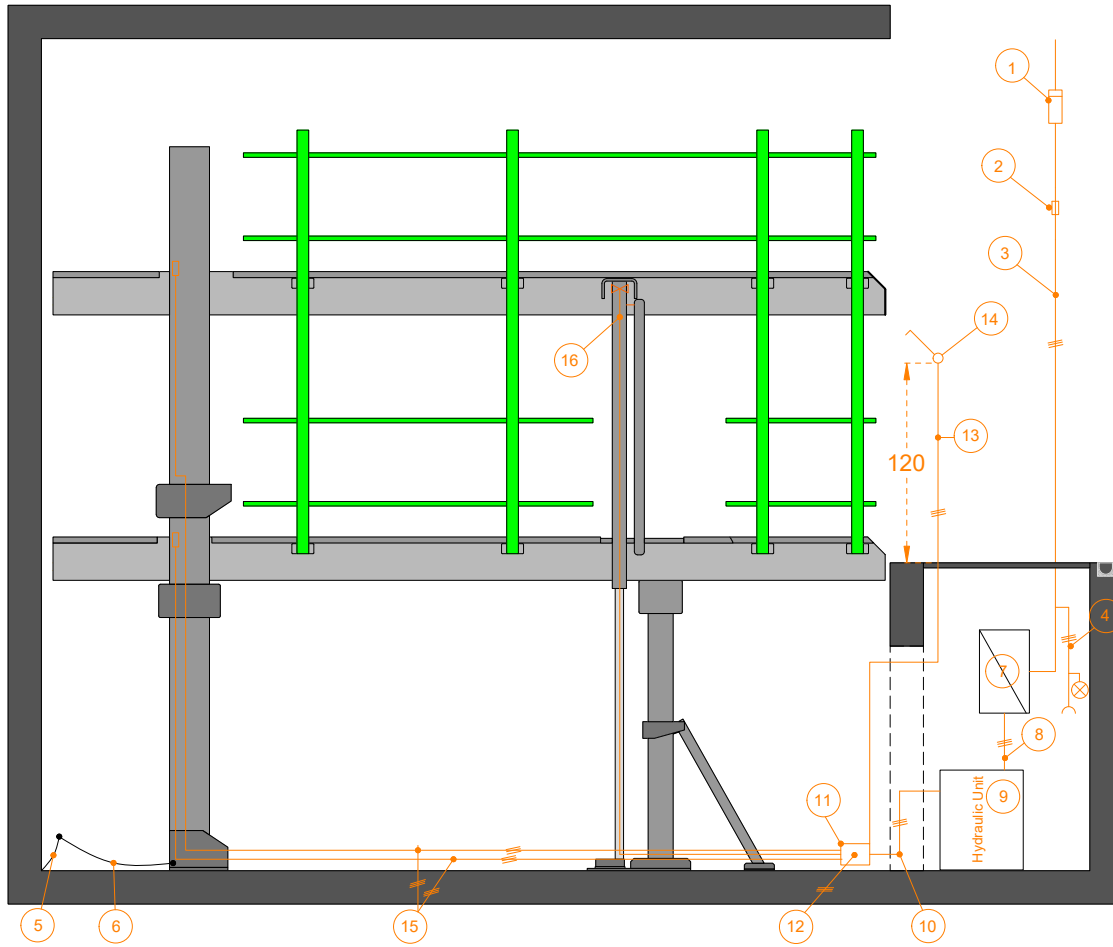
## IDEA MONO PLATFORM WIDTH

Required Width (W)	250 cm	260 cm	270 cm	280 cm
Clear Platform Width (W1)	220 cm	230 cm	240 cm	250 cm

Reducing parking width lowers parking comfort according to the vehicle width, vehicle type, and individual driving style.

- We recommend 250 centimeters platform width for convenient parking.
- While setting driving lane width, please check local regulations.
- While planning Idea next to a wall, it is significant to take into consideration that turning the vehicle in one maneuver may cause a crash so please take advice from Sanpark in a such situation, shown in the illustration above.
- While setting driving lane width, please check local regulations. It can be a minimum of 500 cm, but we advise 650 cm driving lane width so that drivers can park their vehicles conveniently without additional maneuvering.

## ELECTRICITY INSTALLATION DIAGRAM



- During installation, it is required to appropriately connect electrical components with the wiring diagram supplied by the manufacturer in accordance with local regulations.

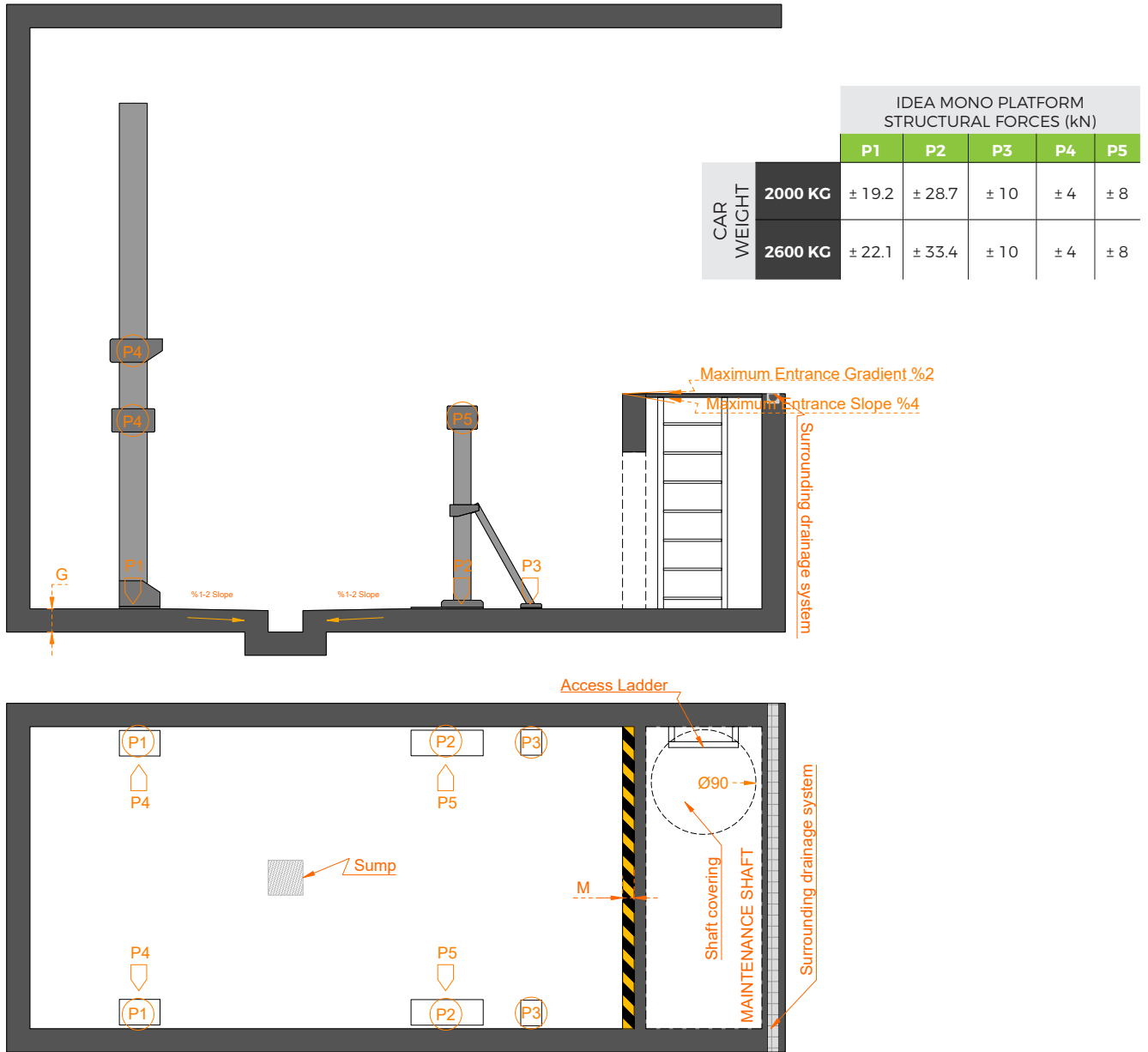
## ELECTRICAL DETAILS (In the customer responsibility)

NUMBER	QUANTITY	DEFINITION	POSITION	FREQUENCY
1	1	Electricity meter	in the supply cable	
2	1	3x Safety fuse 3x 40 A (Trip Characteristic C)	in the supply cable	1x per unit
3	1	Supply cable 5x4 mm <sup>2</sup> (3 PH+N+PE) with marked wires and protective earth	supply cables to the main switch	1 x per unit
4	1	Separate supply cable 230 V with lighting and socket	from the electricity meter in the maintenance shaft	
5	1	Equipotential bonding in accordance with DIN EN 60204 from foundation earth connection to system		1 x per system
6	Every 10 m	Foundation earth connection	corner or middle of pit floor	

## ELECTRICAL DETAILS (In Sanpark responsibility)

NUMBER	DEFINITION
7	Switch cabinet with lockable master switch
8	Supply cable 5x4 mm <sup>2</sup> (3 PH+N+PE) with marked wires and protective earth
9	Hydraulic unit 5.5 kW, three-phase current 220/380 V 50 Hz
10	Control cable 4x4 mm <sup>2</sup> with marked wires and protective earth
11	Branch connector
12	Control cable 5x4 mm <sup>2</sup> lead-out to the system
13	Control cable 3x0.75 mm <sup>2</sup> with marked wires and protective earth
14	Operating device with emergency stop
15	Control cable 2x0.75 mm <sup>2</sup> with marked wires and protective earth for switches
16	3 x 1.5 mm <sup>2</sup> control cable for the cylinder valve lead

## LOADS AND CONSTRUCTION DETAILS



- The systems are anchored into the ground. The drill hole depth in the floor plate is approx. 14 cm, in the walls approx. 10 cm. If the precise figures are required, please consult Sanpark.
- Concrete quality according to the static requirements of the building. However, we require a slab thickness (G) minimum of 20 cm and a concrete quality of min. C20/25 to anchor the system.
- According to DIN EN 14010, the floor has to be marked with 10 cm wide yellow-black stripes (M) to point out the dangerous area. The marking must comply with ISO 3864.
- Hydraulic unit is placed in the maintenance shaft. The access to pit shaft, the access ladder and maintenance shaft hatch have to be performed by the customer. The safety precautions to the access pit have to be conducted by the customer.
- Door between the maintenance shaft and the Idea's pit is to be installed by the customer.
- Dimensions for the drainage channel with grating in the pit are 10 x 2 cm with sump 50 x 50 x 50 cm. The drainage channel must be connected to the sewerage system or the water must be drained away by a pump provided by the customer. For sump pump's dimensions, please consult its manufacturer.
- Any water proofing work shall be carried by the customer.
- Maximum entrance gradient (%2) and slope (%4) details are specified in the illustration above. Improper layout causes extreme difficulties and Sanpark does not accept any responsibilities.



## TECHNICAL INFORMATION



### Installation

IdeaLift requires crane and forklift for installation. It is under customer's responsibility to provide these vehicles.

The heaviest part is 160 kg so please consult local companies to hire proper crane and forklift. Please request a consultation for more detail about IdeaLift.



### Hydraulic Unit

Up to 3 IdeaLift can be grouped as one so they can share the common hydraulic unit to reduce the overall price. In such a case, each group of systems cannot be operated separately. A separate power unit is recommended to reduce dependency. Please request a consultation for planning the project.



### Temperature

Majortrio is designed to operate between -15° and +40°C at atmospheric humidity of 50 percent. If the local temperature is different from the above, please consult Sanpark.



### Conformity Test

All our systems comply with EC machinery directive 2006/42/EC and TS/EN 14010:2009 +A1:2009.



### Building application documents

All our systems generally require local approval. Please observe local regulations.



### Maintenance

Regular maintenance by qualified personnel can be provided by an Annual Service Contract.



### Care and Corrosion Protection

Due to the corrosion danger, apart from regular maintenance, all our galvanized equipment and platforms must be regularly cleaned up salt water, dirt, leak, any chemical substance, and sand. The garage and pits must be always ventilated well.



### Railings

If passageways are directly next to the systems, railings have to be provided according to TS EN ISO 13857 by the client according to local requirements, height min. 200 cm.



### Fire Safety

All fire safety requirement(s) and all possible mandatory item(s) and equipment(s) must comply with local regulations and must be provided by the customer.



### Noise Protection

In compliance with DIN 4109-1 Noise protection: Maximum sound pressure level in living and sleeping areas 30 dB (A).

User noise like accessing the platform, the slamming of vehicle doors, the vehicle's engine, and brake noise are not subject to the requirements.

In order to provide 30 dB (A) in rooms the following conditions are required;

Additional Sanpark noise protection package according to quote.

Insulation figure of the construction of min R'w= 57 dB (in the customer's responsibility)

Walls that are close to the parking systems must be done as a single wall and deflection resistant with min. m' = 300 kg/m<sup>2</sup> (in the customer's responsibility)

The solid ceiling above the parking systems with min. m' = 400 kg/m<sup>2</sup> (in the customer's responsibility)

At differing constructional conditions, additional sound-absorbing methods are in the customer's responsibility.

## COMPONENTS

## IDEA PARKING SYSTEM COMPONENTS

2 Steel columns with base plates.  
 2 Mechanical Locking devices  
 2 Platforms  
 1 Hydraulic cylinder  
 Anchors, screws, connectors, bolts, etc.  
 1 Mechanical synchronization system.

## Platform Components

Platform profiles  
 Side beams  
 Adjustable positioning aid  
 Platform base sections  
 Chamfered ramp  
 Screws, nuts, washers, spacers, etc.

## Electrical System Components

Emergency stop  
 Electrohydraulic lock  
 Electro mechanic lock  
 Distributor board  
 Junction box  
 1 Master key for each IDEA .

## Hydraulic System Components

Hydraulic cylinders  
 Solenoid valve  
 Safety valve  
 Screwed joints  
 High-pressure hoses  
 Attachments

## Hydraulic Unit Component

Hydraulic power unit  
 Hydraulic oil reservoir  
 Oil filling  
 Internal gear Pump  
 Pump holder  
 Coupling  
 3 phase AC motor (5.5 kW, 380 V, 50 Hz)  
 Contactor  
 Pressure relief valve  
 Hydraulic hoses

Sanpark's engineering department is constantly challenging itself to improve its systems. In the event of technological advancement, Sanpark can adopt newer or different technologies, systems, or standards to improve overall quality.

## SERVICES TO BE PROVIDED BY THE CUSTOMER

**Warning Marking**

According to DIN EN 14010, the floor has to be marked with 10 cm wide yellow-black stripes to indicate the operation area by the purchaser to point out the dangerous area.

**Barriers**

In accordance with DIN EN 13857, barriers may be required in case of passageways in front of, behind, or next to the systems.

**Parking Space Numbering**

Numbering the parking spaces.

**Lighting**

It is in the customer's responsibility to check local regulations regarding the illumination of parking spaces.

**Conduits and Wall Openings**

Any conduit and wall opening work belongs to the customer, yet Sanpark can assist during the planning phase in such cases. Please consult Sanpark if necessary.

**Supply Cable to Master Switch**

The customer must run the supply cable to the master switch during assembly.

**Earth Foundation**

The customer must earth the steel structure with a foundation earth connection and lay equipotential bonding according to local regulations.

**Drainage**

For environmental protection, we advise applying coating the pit floor. Oil and/or fuel separators should be installed in accordance with local regulations. To drain large quantities of water from the yard, the customer must install a water collection channel around the system.

## CERTIFICATES

ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | 証明書 | 인증서



### EG-BAUMUSTERPRÜFBESCHEINIGUNG

TUV AUSTRIA TURK ist benannte Stelle  
nach der Maschinenrichtlinie 2006/42/EG unter der Nummer 2737

**Bescheinigung Nr.:** 21-MD-TEC-063-TAT-2021-033

**Antragsteller** : ŞANMAK MAKİNE SANAYİ VE TİC. A.Ş.  
Çalı Sanayi Bölgesi Çalı Mh 6. Sk. N:8 Nilüfer / Bursa

**Hersteller** : ŞANMAK MAKİNE SANAYİ VE TİC. A.Ş.  
Çalı Sanayi Bölgesi Çalı Mh 6. Sk. N:8 Nilüfer / Bursa

**Design des Produkts** : Mehrschichtiger, elektrohydraulischer mechanischer Parklift

**Typ/Modell** : # IDEALIFT H2W1, IDEALIFT H2W2, IDEALIFT H3W1, IDEALIFT H3W2 #  
# IDEALOW H2W1, IDEALOW H2W2, IDEALOW H3W1, IDEALOW H3W2 #  
# MAJORLIFT, MAJORTRIO, OPTILIFT, ROBUST-SLIMO #  
# SUBLIFT H1W1, SUBLIFT H1W1, SUBLIFT H1W2, SUBLIFT H2W1,  
# SUBLIFT H2W2, SUBLIFT H3W1, SUBLIFT H3W2 #

**Warenzeichen / Marke** : SANPARK

**Norm(en)/  
Angewandte Regelwerke:** : 2006/42/EG Maschinenrichtlinie  
EN ISO 12100:2010  
EN 14010:2003+A1:2009

Diese Konformitätsbewertung wird auf Kundenwunsch gemäß Maschinenrichtlinie 2006/42/EG Artikel 12 3.b ausgestellt. Die in Anhang IV aufgeführten Geräte entsprechen der harmonisierten Norm und Anhang I den grundlegenden Gesundheits- und Sicherheitsanforderungen der Richtlinie. Sie bezieht sich nur auf das jeweilige Muster und dessen technische Unterlagen, die zur Einsichtnahme vorgelegt werden.

**Technische Datei Nr** : 21-MD-TEC-063/TF-01  
**MIT\* Dokument Nr** : MD-2737-2100004  
**Assessor-ID-Nr.** : TU-MD-001  
**Datum/Ort der Begutachtung** : 01.10.2021  
**Ausstellungsdatum** : 09.11.2021  
**Ablaufdatum** : 08.11.2026



TUV AUSTRIA TÜRK  
Sahiplığı ve  
Ali Osman ÖZVEREN

**CE** 2737 Nach Erstellung der notwendigen technischen Dokumentation sowie der Konformitätserklärung kann die erforderliche CE-Kennzeichnung auf dem Produkt angebracht werden. Weitere relevante Richtlinien sind zu berücksichtigen.

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\* Ministerium für Industrie und Technologie  
 CERT-MAD-001-EG  
 BAUMUSTERPRÜFBESCH  
 (ENGLISCH)  
 Revision 02 Datum: 09.03.2020

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 Alika Paşa und Obermeringergäßchen werden nach dem QM-System des TÜV  
 AUSTRIA TÜRK

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 Dinyi Sk. No:29 PK:34774  
 Ümraniye / İSTANBUL  
 E-Mail: info@tuvtrk.com.tr



## CERTIFICATE



**ŞANMAK MAKİNA  
SAN. VE TİC. A.Ş.**

ÇALI SANAYİ BÖLGESİ 6. SOK. NO:8  
NİLÜFER / BURSA / TÜRKİYE

*Has been assessed and found to Comply with the Requirements of:  
Denetlenmiş ve aşağıdaki standartları gerektiklerine uygunluğu görülmüştür:*

### ISO 9001:2015

*The Quality Management System is applicable to:  
Kalite Yönetim Sistemi:*

**DESIGN, PRODUCTION AND SERVICE SERVICES OF MACHINES  
FOR VEHICLE, LOAD LIFTING AND TRANSPORT**

**TAŞIT, YÜK KALDIRMA VE TAŞIMA AMAÇLI MAKİNALARIN  
TASARIMI, ÜRETİMİ VE SERVİS HİZMETLERİ**

Certificate Number: QMS-05807  
 Belge Numarası: QMS-05807

Initial Certification Date: 15.12.2021  
 İlk Belgeleme Tarihi: 15.12.2021

Certification Period: 3 Years  
 Belgeleme Periyodu: 3 Yıl

Certificate Validity Date: 14.12.2022  
 Belge Geçerlilik Tarihi: 14.12.2022



INTERNATIONAL  
ACCREDITATION FORUM



ACCREDITED  
Management Systems  
Certification Body  
MSCB-135



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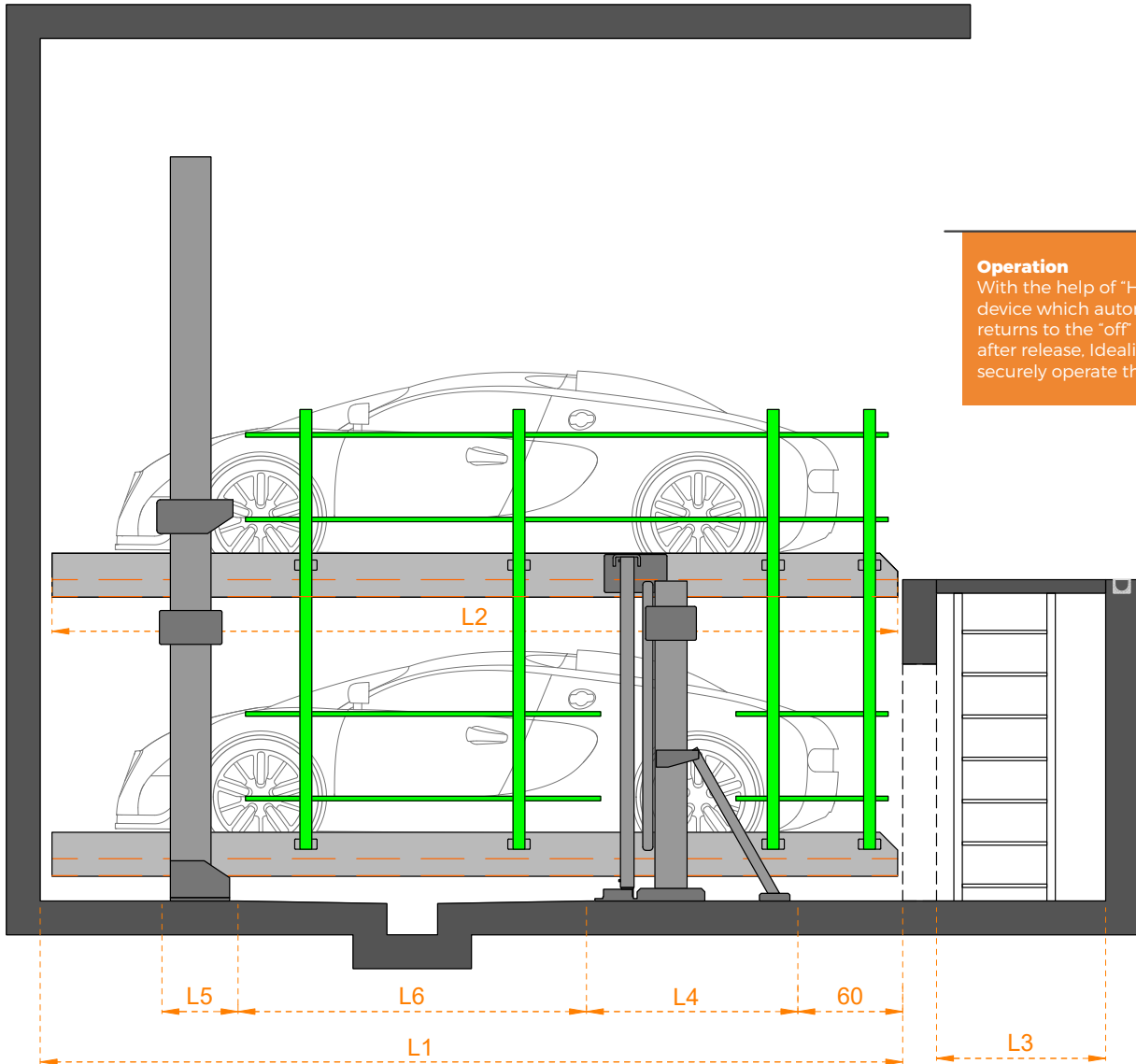
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## GENERAL DESCRIPTION

- ▣ Idealift H2W2 is an independent pit parking system for an indoor application and it allows 4 vehicles to be parked on top of each other in respect to its types in a parking space that merely allows 2 vehicle under normal conditions.
- ▣ Idealift platforms moves vertically.
- ▣ The height, width and length of the platform can be customized according to the customer's request. (see "Length, Height and Width Details", page 3,5 and 6).
- ▣ The lifting capacity of the platforms can be customized according to the customer's request. (see "Loads and Construction Details", page 8).
- ▣ The operating key is installed in front of the columns or on the outside.
- ▣ Hot-dip galvanization is applied to the main construction.
- ▣ All dimensions are minimum and tolerance for dimensions +3/-0 cm.

## LENGTH DETAILS

**Operation**

With the help of "Hold-to-Run" device which automatically returns to the "off" position after release, Idealift's users securely operate the system.

All dimensions are given in cm.

- Maximum vehicle length dimensions can be like the following table. In case of shorter and longer versions, please consult Sanpark.

## IDEA LENGTH DIMENSIONS

Maximum Vehicle Length	Platform Length (L2)	Required Space (L1)	Gradient Free Space (L4)	Gradient Free Space (L5)	Column Position (L6)
490 cm	500 cm	510 cm	125 cm	45 cm	205 cm
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- Gradient free space (L4 and L5) indicates a space where shall be no gradient or slope.
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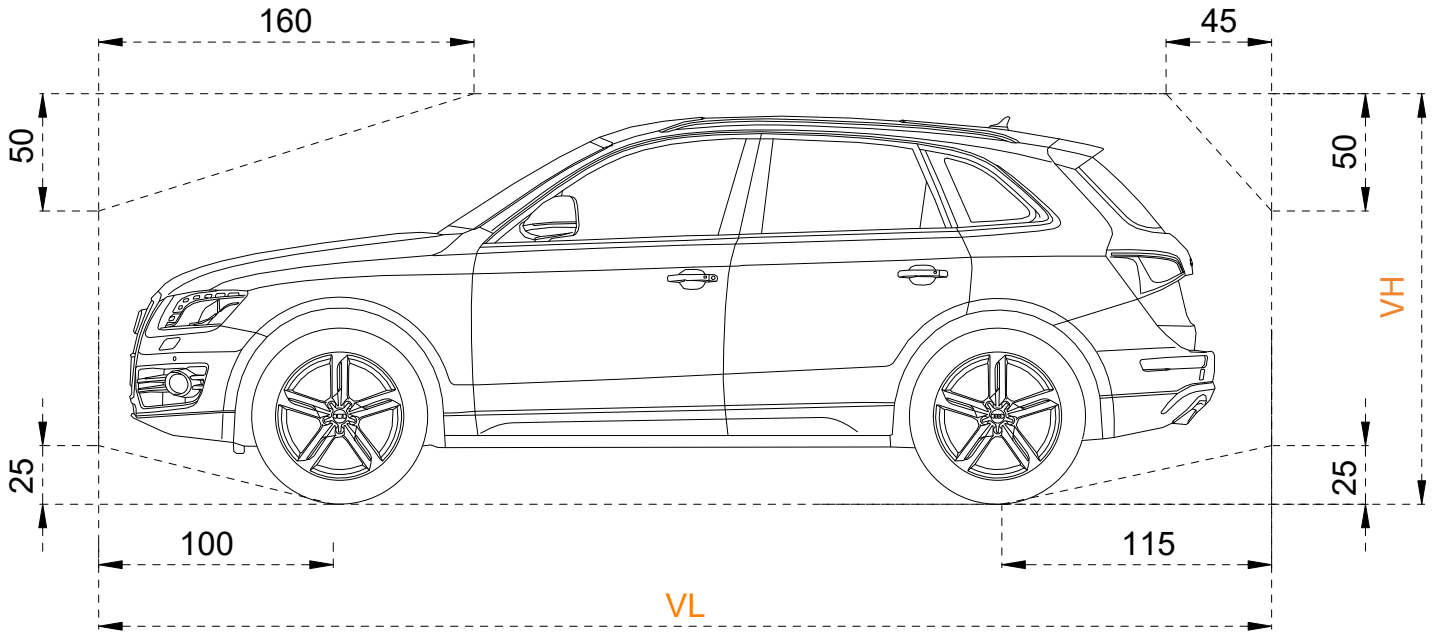
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**Independent Parking**

All parking spaces and vehicles in the system can be used without blocking one another.



## VEHICLE DETAILS, CLEARANCE &amp; DIMENSIONS



Vehicle Length (VL)	see "Length Details", page 3
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Vehicle Weight	see "Loads and Construction Details", page 8
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Vehicle Types	Saloon, Estate, SUV, Van

The overall vehicle height including roof luggage rails and antenna mounts must not exceed the max. vehicle height dimensions specified

▣ The following car heights shared as a guide to help you to select the platform distance and construction dimensions;

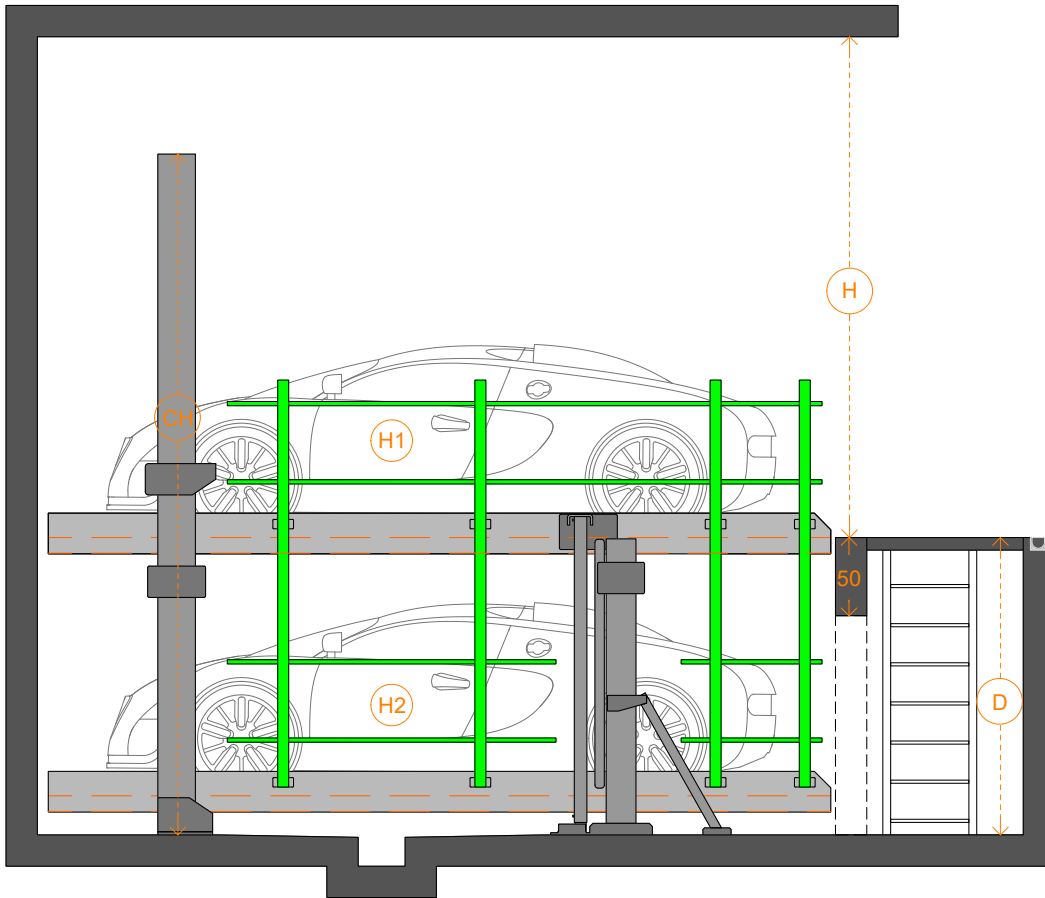
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Hyundai Tucson	167 cm

Peugeot 208	146 cm
Peugeot 2008	155 cm
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Toyota RAV4	169 cm
Toyota Camry	145 cm
Citroen C3	161 cm
Porsche Macan	163 cm
Porsche Cayenne	168 cm
BMW 3-Series	143 cm
BMW iX	170 cm
BMW X5	175 cm
Volvo XC 90	178 cm
Land Rover Discovery	189 cm
Land Rover Range Sport	180 cm

All vehicle heights may vary due to the wide range of models and manufacturing year.

## HEIGHT DETAILS



- ▣ The table below indicates vehicle heights (**H1-H2**) and their corresponding operation height (**H**). Various versions are available upon request so please contact to have technical support if it is necessary.
- ▣ We recommend that the dimension of (**H2**) is more than average human height!
- ▣ While the height of the lower-level vehicle (**H2**) is between 150 cm and 175 cm, Idea column height (**CH**) is 440 cm. While the height of the lower-level vehicle (**H2**) is between 180 cm and 200 cm, Idea column height (**CH**) is 50 cm. While the height of the lower-level vehicle (**H2**) is 205 cm, Idea column height (**CH**) is 520 cm.
- ▣ Maintenance shaft beam is supposed to be minimum 50 cm.

		Upper-Level Vehicle Height ( <b>H1</b> )											Required Clearance Height ( <b>H</b> )	
		150	155	160	165	170	175	180	185	190	195	200		205
Lower-Level Vehicle Height ( <b>H2</b> )	150	320	325	330	335	340	345	350	355	360	365	370	375	
	155	325	330	335	340	345	350	355	360	365	370	375	380	
	160	330	335	340	345	350	355	360	365	370	375	380	385	
	165	335	340	345	350	355	360	365	370	375	380	385	390	
	170	340	345	350	355	360	365	370	375	380	385	390	395	
	175	345	350	355	360	365	370	375	380	385	390	395	400	
	180	350	355	360	365	370	375	380	385	390	395	400	405	
	185	355	360	365	370	375	380	385	390	395	400	405	410	
	190	360	365	370	375	380	385	390	395	400	405	410	415	
	195	365	370	375	380	385	390	395	400	405	410	415	420	
	200	370	375	380	385	390	395	400	405	410	415	420	425	
	205	375	380	385	390	395	400	405	410	415	420	425	430	

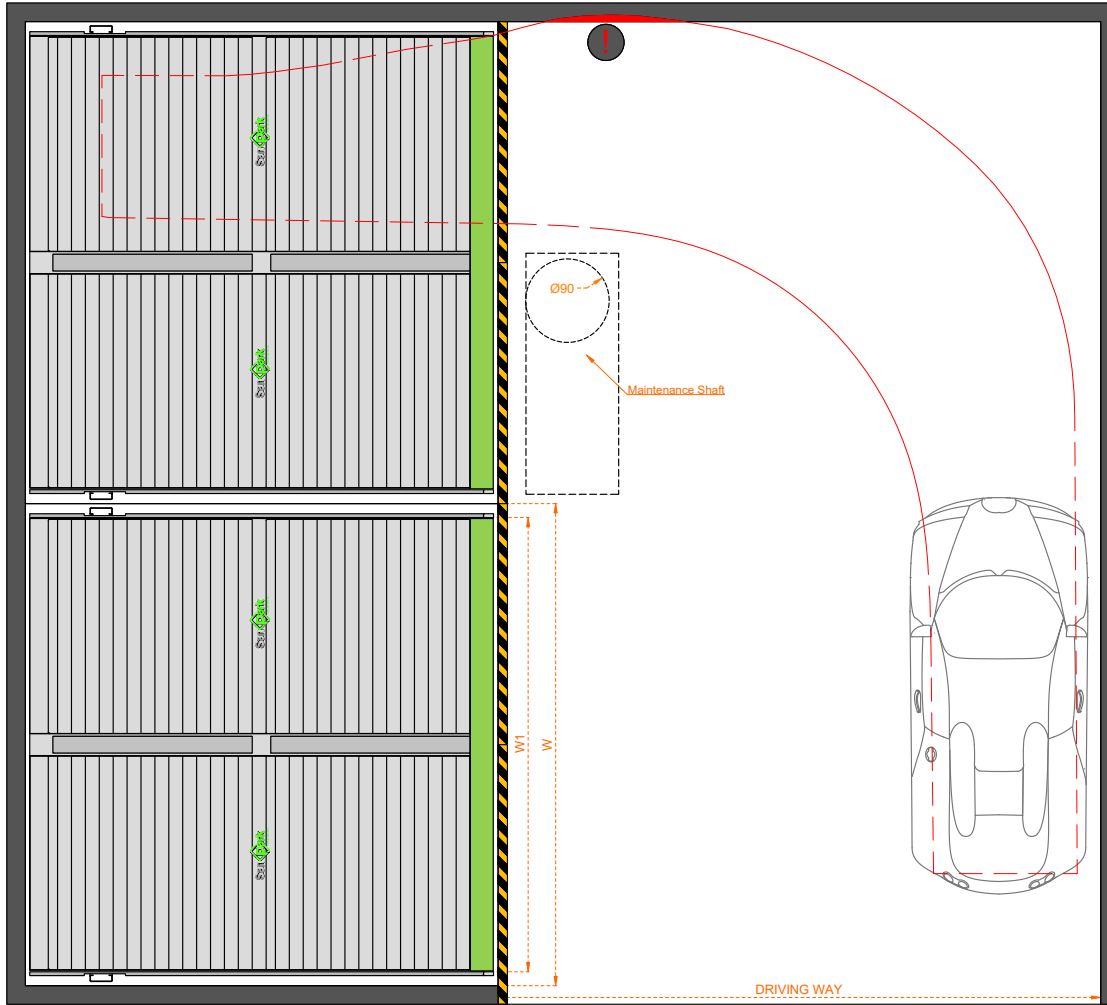
All dimensions are given in cm.

- ▣ The following table shows required pit depth for specific vehicle height in the pit (**H2**).

## IDEA H2W2 PIT DIMENSIONS

Car Height ( <b>H1</b> )	150 cm	155 cm	160 cm	165 cm	170 cm	175 cm	180 cm	185 cm	190 cm	195 cm	200 cm	205 cm
Pit Depth ( <b>D</b> )	190 cm	195 cm	200 cm	205 cm	210 cm	215 cm	220 cm	225 cm	230 cm	235 cm	240 cm	245 cm

## WIDTH DIMENSIONS



- The following figures demonstrate the required width for parking areas and their correspondence to clear platform width.

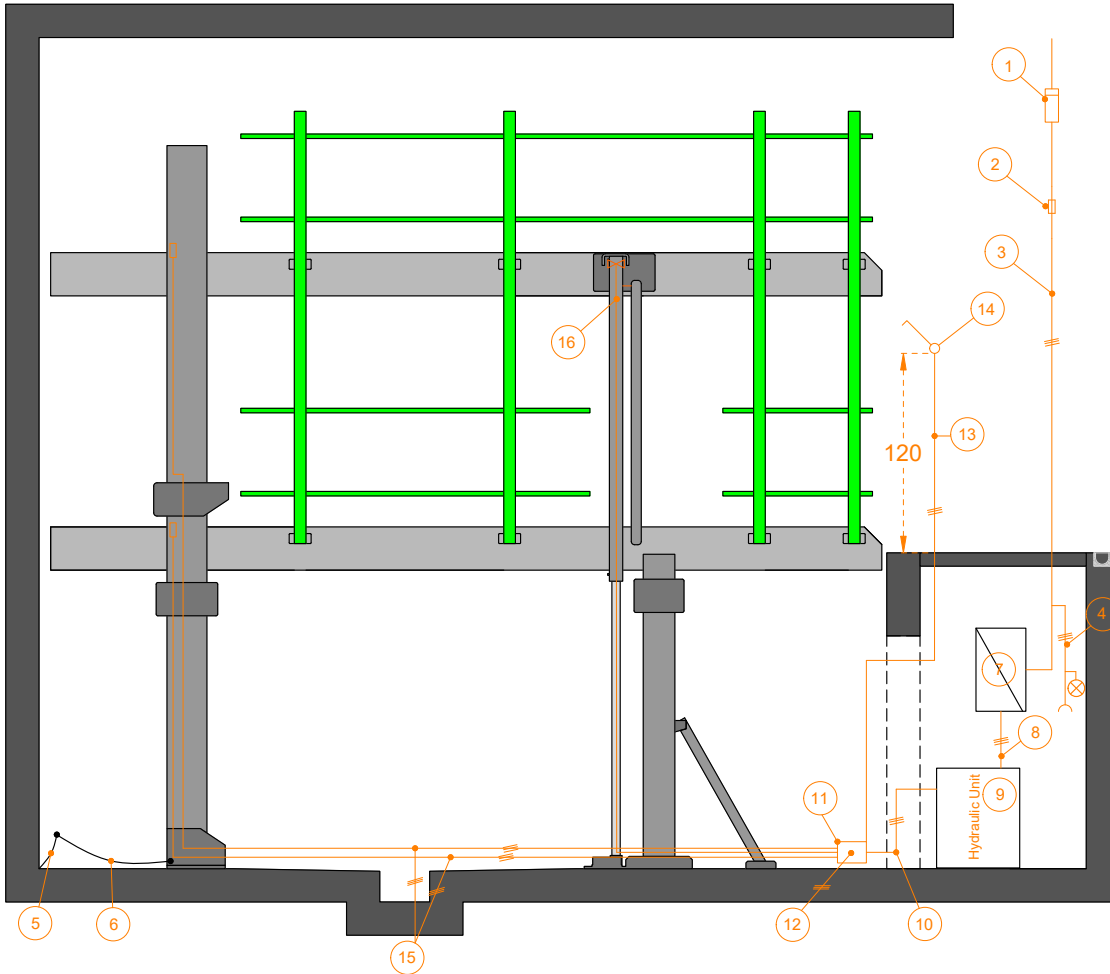
## IDEA DUO PLATFORM WIDTH

Required Width (W)	490 cm	500 cm	520 cm	530 cm
Clear Platform Width (W1)	460 cm	470 cm	490 cm	500 cm

Reducing parking width lowers parking comfort according to the vehicle width, vehicle type, and individual driving style.

- We recommend 490 centimeters platform width for convenient parking.
- While setting driving lane width, please check local regulations.
- While planning Idea next to a wall, it is significant to take into consideration that turning the vehicle in one maneuver may cause a crash so please take advice from Sanpark in a such situation, shown in the illustration above.
- While setting driving lane width, please check local regulations. It can be a minimum of 500 cm, but we advise 650 cm driving lane width so that drivers can park their vehicles conveniently without additional maneuvering.

## ELECTRICITY INSTALLATION DIAGRAM



- During installation, it is required to appropriately connect electrical components with the wiring diagram supplied by the manufacturer in accordance with local regulations.

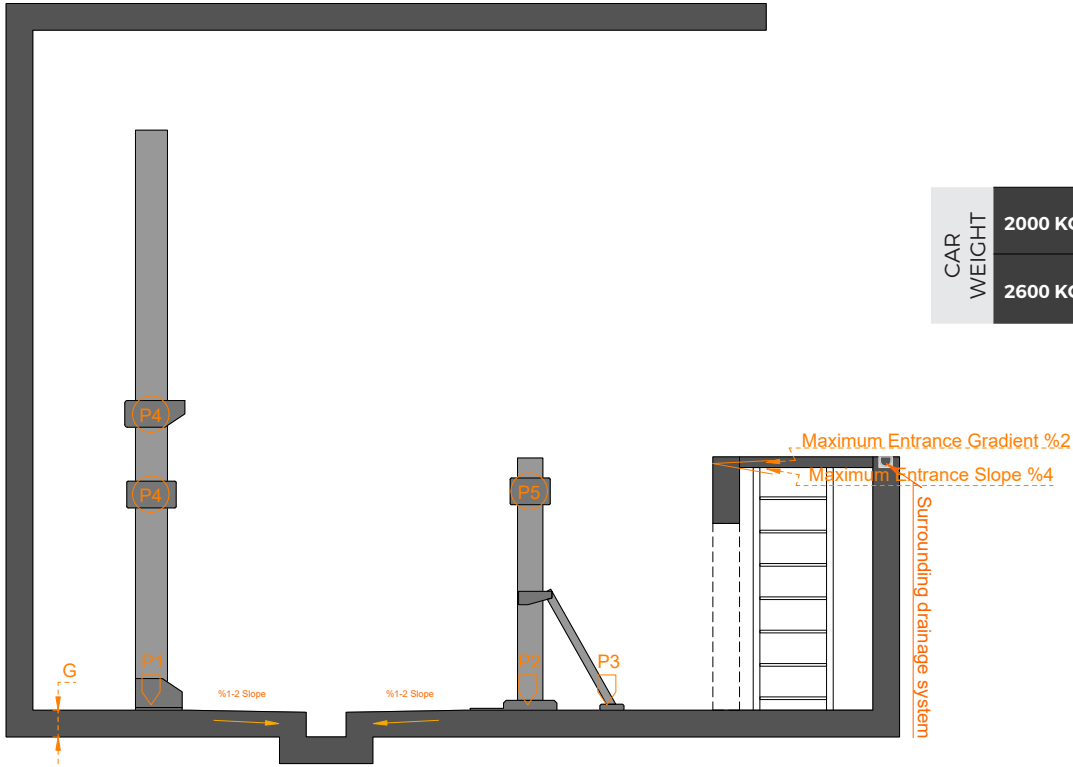
## ELECTRICAL DETAILS (In the customer responsibility)

NUMBER	QUANTITY	DEFINITION	POSITION	FREQUENCY
1	1	Electricity meter	in the supply cable	
2	1	3x Safety fuse 3x 40 A (Trip Characteristic C)	in the supply cable	1 x per unit
3	1	Supply cable 5x4 mm <sup>2</sup> (3 PH+N+PE) with marked wires and protective earth	supply cables to the main switch	1 x per unit
4	1	Separate supply cable 230 V with lighting and socket	from the electricity meter in the maintenance shaft	
5	1	Equipotential bonding in accordance with DIN EN 60204 from foundation earth connection to system		1 x per system
6	Every 10 m	Foundation earth connection	corner or middle of pit floor	

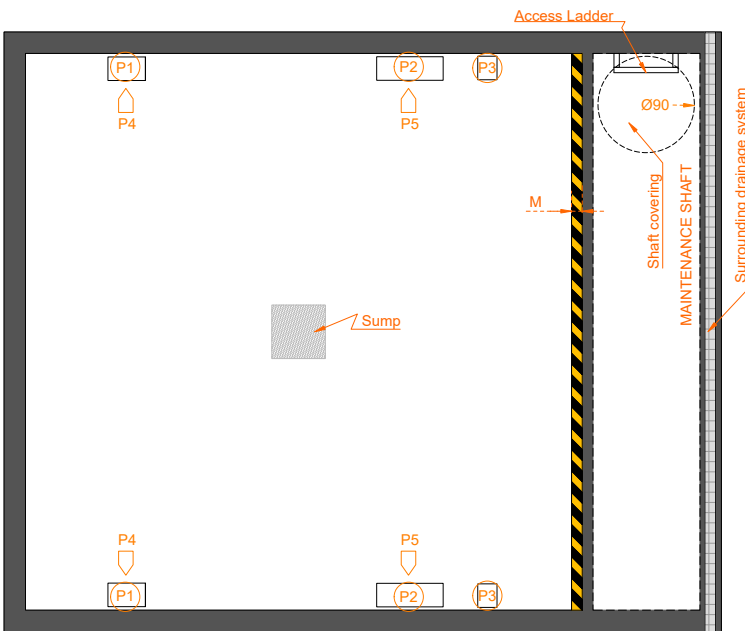
## ELECTRICAL DETAILS (In Sanpark responsibility)

NUMBER	DEFINITION
7	Switch cabinet with lockable master switch
8	Supply cable 5x4 mm <sup>2</sup> (3 PH+N+PE) with marked wires and protective earth
9	Hydraulic unit 7.5 kW, three-phase current 220/380 V 50 Hz
10	Control cable 4x4 mm <sup>2</sup> with marked wires and protective earth
11	Branch connector
12	Control cable 5x4 mm <sup>2</sup> lead-out to the system
13	Control cable 3x0.75 mm <sup>2</sup> with marked wires and protective earth
14	Operating device with emergency stop
15	Control cable 2x0.75 mm <sup>2</sup> with marked wires and protective earth for switches
16	3 x 1.5 mm <sup>2</sup> control cable for the cylinder valve lead

## LOADS AND CONSTRUCTION DETAILS



		IDEA DUO PLATFORM STRUCTURAL FORCES (kN)				
		P1	P2	P3	P4	P5
CAR WEIGHT	2000 KG	± 33	± 43	± 10	± 4	± 8
	2600 KG	± 40	± 51	± 10	± 4	± 8



- The systems are anchored into the ground. The drill hole depth in the floor plate is approx. 14 cm, in the walls approx. 10 cm. If the precise figures are required, please consult Sanpark.
- Concrete quality according to the static requirements of the building. However, we require a slab thickness (**G**) minimum of 20 cm and a concrete quality of min. C20/25 to anchor the system.
- According to DIN EN 14010, the floor has to be marked with 10 cm wide yellow-black stripes (**M**) to point out the dangerous area. The marking must comply with ISO 3864.
- Hydraulic unit is placed in the maintenance shaft. The access to pit shaft, the access ladder and maintenance shaft hatch have to be performed by the customer. The safety precautions to the access pit have to be conducted by the customer.
- Door between the maintenance shaft and the Idea's pit is to be installed by the customer.
- Dimensions for the drainage channel with grating in the pit are 10 x 2 cm with sump 50 x 50 x 50 cm. The drainage channel must be connected to the sewerage system or the water must be drained away by a pump provided by the customer. For sump pump's dimensions, please consult its manufacturer.
- Any water proofing work shall be carried by the customer.
- Maximum entrance gradient (2%) and slope (4%) details are specified in the illustration above. Improper layout causes extreme difficulties and Sanpark does not accept any responsibilities.

## TECHNICAL INFORMATION



### Installation

IdeaLift requires crane and forklift for installation. It is under customer's responsibility to provide these vehicles.

The heaviest part is 220 kg so please consult local companies to hire proper crane and forklift. Please request a consultation for more detail about IdeaLift.



### Hydraulic Unit

Up to 3 IdeaLift can be grouped as one so they can share the common hydraulic unit to reduce the overall price. In such a case, each group of systems cannot be operated separately. A separate power unit is recommended to reduce dependency. Please request a consultation for planning the project.



### Temperature

Majortrio is designed to operate between -15° and +40°C at atmospheric humidity of 50 percent. If the local temperature is different from the above, please consult Sanpark.



### Conformity Test

All our systems comply with EC machinery directive 2006/42/EC and TS/EN 14010:2009 +A1:2009.



### Building application documents

All our systems generally require local approval. Please observe local regulations.



### Maintenance

Regular maintenance by qualified personnel can be provided by an Annual Service Contract.



### Care and Corrosion Protection

Due to the corrosion danger, apart from regular maintenance, all our galvanized equipment and platforms must be regularly cleaned up salt water, dirt, leak, any chemical substance, and sand. The garage and pits must be always ventilated well.



### Railings

If passageways are directly next to the systems, railings have to be provided according to TS EN ISO 13857 by the client according to local requirements, height min. 200 cm.



### Fire Safety

All fire safety requirement(s) and all possible mandatory item(s) and equipment(s) must comply with local regulations and must be provided by the customer.



### Noise Protection

In compliance with DIN 4109-1 Noise protection: Maximum sound pressure level in living and sleeping areas 30 dB (A).

User noise like accessing the platform, the slamming of vehicle doors, the vehicle's engine, and brake noise are not subject to the requirements.

In order to provide 30 dB (A) in rooms the following conditions are required;

Additional Sanpark noise protection package according to quote.

Insulation figure of the construction of min R'w= 57 dB (in the customer's responsibility)

Walls that are close to the parking systems must be done as a single wall and deflection resistant with min. m' = 300 kg/m<sup>2</sup> (in the customer's responsibility)

The solid ceiling above the parking systems with min. m' = 400 kg/m<sup>2</sup> (in the customer's responsibility)

At differing constructional conditions, additional sound-absorbing methods are in the customer's responsibility.



## COMPONENTS

## IDEA PARKING SYSTEM COMPONENTS

2 Steel columns with base plates.  
 2 Mechanical Locking devices  
 2 Platforms  
 1 Hydraulic cylinder  
 Anchors, screws, connectors, bolts, etc.  
 1 Mechanical synchronization system.

## Platform Components

Platform profiles  
 Side beams  
 Adjustable positioning aid  
 Platform base sections  
 Chamfered ramp  
 Screws, nuts, washers, spacers, etc.

## Electrical System Components

Emergency stop  
 Electrohydraulic lock  
 Electro mechanic lock  
 Distributor board  
 Junction box  
 3 Master key for each IDEA .

## Hydraulic System Components

Hydraulic cylinders  
 Solenoid valve  
 Safety valve  
 Screwed joints  
 High-pressure hoses  
 Attachments

## Hydraulic Unit Component

Hydraulic power unit  
 Hydraulic oil reservoir  
 Oil filling  
 Internal gear Pump  
 Pump holder  
 Coupling  
 3 phase AC motor (7.5 kW, 380 V, 50 Hz)  
 Contactor  
 Pressure relief valve  
 Hydraulic hoses

Sanpark's engineering department is constantly challenging itself to improve its systems. In the event of technological advancement, Sanpark can adopt newer or different technologies, systems, or standards to improve overall quality.

## SERVICES TO BE PROVIDED BY THE CUSTOMER

**Warning Marking**

According to DIN EN 14010, the floor has to be marked with 10 cm wide yellow-black stripes to indicate the operation area by the purchaser to point out the dangerous area.

**Barriers**

In accordance with DIN EN 13857, barriers may be required in case of passageways in front of, behind, or next to the systems.

**Parking Space Numbering**

Numbering the parking spaces.

**Lighting**

It is in the customer's responsibility to check local regulations regarding the illumination of parking spaces.

**Conduits and Wall Openings**

Any conduit and wall opening work belongs to the customer, yet Sanpark can assist during the planning phase in such cases. Please consult Sanpark if necessary.

**Supply Cable to Master Switch**

The customer must run the supply cable to the master switch during assembly.

**Earth Foundation**

The customer must earth the steel structure with a foundation earth connection and lay equipotential bonding according to local regulations.

**Drainage**

For environmental protection, we advise applying coating the pit floor. Oil and/or fuel separators should be installed in accordance with local regulations. To drain large quantities of water from the yard, the customer must install a water collection channel around the system.

## CERTIFICATES

ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | CERTIFICATE



### EG-BAUMUSTERPRÜFBESCHEINIGUNG

TUV AUSTRIA TURK ist benannte Stelle  
nach der Maschinenrichtlinie 2006/42/EG unter der Nummer 2737

**Bescheinigung Nr.:** 21-MD-TEC-063-TAT-2021-033

**Antragsteller** : ŞANMAK MAKİNE SANAYİ VE TİC. A.Ş.  
Çalı Sanayi Bölgesi Çalı Mh 6. Sk. N:8 Nilüfer / Bursa

**Hersteller** : ŞANMAK MAKİNE SANAYİ VE TİC. A.Ş.  
Çalı Sanayi Bölgesi Çalı Mh 6. Sk. N:8 Nilüfer / Bursa

**Design des Produkts** : Mehrschichtiger, elektrohydraulischer mechanischer Parklift

**Typ/Modell** : # IDEALIFT H2W1, IDEALIFT H2W2, IDEALIFT H3W1, IDEALIFT H3W2 #  
# IDEALOW H2W1, IDEALOW H2W2, IDEALOW H3W1, IDEALOW H3W2 #  
# MAJORLIFT, MAJORTRIO, OPTILIFT, ROBUST-SLIMO #  
# SUBLIFT H1W1, SUBLIFT H1W1, SUBLIFT H1W2, SUBLIFT H2W1,  
# SUBLIFT H2W2, SUBLIFT H3W1, SUBLIFT H3W2 #

**Warenzeichen / Marke** : SANPARK

**Norm(en)/  
Angewandte Regelwerke:** : 2006/42/EG Maschinenrichtlinie  
EN ISO 12100:2010  
EN 14010:2003+A1:2009

Diese Konformitätsbewertung wird auf Kundenwunsch gemäß Maschinenrichtlinie 2006/42/EG Artikel 12 3.b ausgestellt. Die in Anhang IV aufgeführten Geräte entsprechen der harmonisierten Norm und Anhang I den grundlegenden Gesundheits- und Sicherheitsanforderungen der Richtlinie. Sie bezieht sich nur auf das jeweilige Muster und dessen technische Unterlagen, die zur Einsichtnahme vorgelegt werden.

**Technische Datei Nr** : 21-MD-TEC-063/TF-01  
**MIT\* Dokument Nr** : MD-2737-2100004  
**Assessor-ID-Nr.** : TU-MD-001  
**Datum/Ort der Begutachtung** : 01.10.2021  
**Ausstellungsdatum** : 09.11.2021  
**Ablaufdatum** : 08.11.2026



TUV AUSTRIA TÜRK  
Sahiplığı ve  
Ali Osman ÖZVEREN

**CE** 2737 Nach Erstellung der notwendigen technischen Dokumentation sowie der Konformitätserklärung kann die erforderliche CE-Kennzeichnung auf dem Produkt angebracht werden. Weitere relevante Richtlinien sind zu berücksichtigen.

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Ministerium für Industrie und Technologie  
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## CERTIFICATE



**ŞANMAK MAKİNA  
SAN. VE TİC. A.Ş.**

ÇALI SANAYİ BÖLGESİ 6. SOK. NO:8  
NILÜFER / BURSA / TÜRKİYE

*Has been assessed and found to Comply with the Requirements of:  
Denetlenmiş ve aşağıdaki standartları gerektiklerine uygunluğu görülmüştür:*

### ISO 9001:2015

*The Quality Management System is applicable to:  
Kalite Yönetim Sistemi:*

**DESIGN, PRODUCTION AND SERVICE SERVICES OF MACHINES  
FOR VEHICLE, LOAD LIFTING AND TRANSPORT**

**TAŞIT, YÜK KALDIRMA VE TAŞIMA AMAÇLI MAKİNALARIN  
TASARIMI, ÜRETİMİ VE SERVİS HİZMETLERİ**

Certificate Number: QMS-05807      Initial Certification Date: 15.12.2021  
Belge Numarası: QMS-05807      İlk Belgelendirme Tarihi: 15.12.2021

Certification Period: 3 Years      Certificate Validity Date: 14.12.2022  
Belgelendirme Periyodu: 3 Yıl      Belge Geçerlilik Tarihi: 14.12.2022





ACCREDITED  
Management Systems  
Certification Body  
MSCB-135

IQR Sertifikasyon Oranı

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