



**KLEEMANN**

Your 1st Choice in Lifts



# Lifting Systems



# Escalators



| Type                  | KEC Commercial  | KEH Heavy Duty        |
|-----------------------|---|-----------------------|
| Working hours per day | 16-20   | 20-24                 |
| Capacity*/hour        | Up to 6000 passengers   | Up to 7300 passengers |
| Inclination           | 30° /35°  |                       |
| Step width (mm)       | 600 / 800 / 1000  |                       |
| Balustrade Design     | Vertical 10mm safety tempered glass or inclined satin 2mm. Height 1000m |                       |
| Operating Speed (m/s) | 0,5   | 0,5-0,65              |
| Vertical rise (m)     | 2-7,5   | 2-35                  |
| Motor type            | One speed or VVVF   |                       |
| Installation          | Indoor / Outdoor / Marine   |                       |

\* Theoretical value according to annex H of EN115-1:2017



# Moving Walks



| Type                        | KTC Commercial   | KEH Commercial | KEW Heavy Duty                   |
|-----------------------------|--|----------------|----------------------------------|
| Working hours per day       | 16-20  |                | 20-24                            |
| Capacity*/hour              | Up to 6000 passengers  |                |                                  |
| Inclination                 | 10° / 11° / 12°  |                | 0° / 6°<br>or<br>10° / 11° / 12° |
| Step width (mm)             | 800 / 1000   |                | 1000/ 1200/ 1400                 |
| Balustrade Design           | Vertical 10mm safety tempered glass or inclined satin 2mm.<br>Height 1000m |                |                                  |
| Operating Speed (m/s)       | 0,5  |                |                                  |
| Vertical rise (m)           | 2-8  |                | 0-8                              |
| Max installation length (m) |  |                | 120                              |
| Motor type                  | One speed or VVVF  |                |                                  |
| Installation                | Indoor / Outdoor ( covered)  |                |                                  |

\* Theoretical value according to annex H of EN115-1:2017



# FreeSTAIR with seat



| Model                           | KSL 200                | A 130          | A 180               | Alpha                  | T80 ChairLift       |
|---------------------------------|------------------------|----------------|---------------------|------------------------|---------------------|
| <b>Stair Type</b>               | Straight / Circular    | Straight       | Straight / Circular | Straight / Circular    | Straight / Circular |
| <b>Rated Load</b>               | 130 Kg                 | 127 Kg         | 120 Kg              | 130Kg (optional 145kg) | 225 Kg              |
| <b>Installation</b>             | Indoor/Outdoor         | Indoor/Outdoor | Indoor              | Indoor/Outdoor         | Indoor/Outdoor      |
| <b>Max Travel - Stops</b>       | 4 Stops                | 2 Stops        | 4 Stops             | 4 Stops                | 4 Stops             |
| <b>Max Speed</b>                | 0,1 m/sec              |                |                     |                        |                     |
| <b>Inclination</b>              | 0°- 70°                | 27° - 55°      | 0° - 58°            | 0° - 52°               | 0° - 60°            |
| <b>Power Supply</b>             | Rechargeable batteries |                |                     |                        |                     |
| <b>Required Staircase Width</b> | 900 mm                 | 800 mm         | 900 mm              | 900mm                  | 900 mm              |
| <b>Motor Power</b>              | 24V DC/0,35kW          | 24V DC/0,25kW  | 24V DC/0,375kW      | 24V DC/0,35kW          | 24V DC/0,55kW       |

Lifting Systems



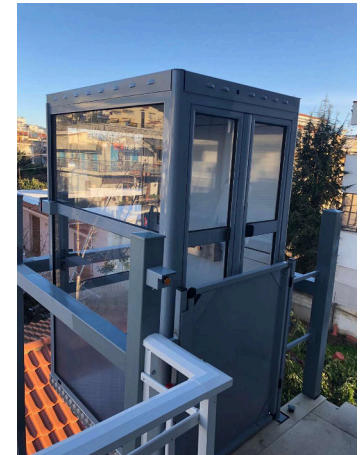
# FreeSTAIR for wheelchair



| Model               | T100 Platform                                 | T80 Platform  | V64   | V65   | Delta   | STRATOS   |
|---------------------|---|---|---|---|---|---|
| Type                | Straight                                      | Straight / Circular   | Straight  | Straight / Circular   | Straight  | Circular  |
| Rated load          | 300 kg  |   |   |   |   |   |
| Installation        | Indoor/Outdoor                                |   |   |   |   |   |
| Inclination         | 15° - 45°                                     | 0° - 60°  | 7° - 50°  | 0° - 45°  | Up to 52°   | 0° - 47°  |
| Platform sizes (mm) | 750x1000 / 800x1000<br>Special up to 900x1500 | 680x840 / 700x900 / 750x1000 / 800x1000<br>Special up to 900x1200 | 830x700 / 1050x770 (with independent or retractable arms)<br>1250x800 (with independent arms) | 830x700 / 1050x770 (with independent or retractable arms)<br>1250x800 (with independent arms) | 700x750, 750x850, 800x900, 800x1000<br>Special Up to 900x1250 | 700x750, 750x850, 800x900, 800x1000<br>Special Up to 900x1250mm               |
| Colours             | RAL 7047-8022-9002-9007                       | RAL 9032-7047-8022-9002-9006-9007                                 | Unit RAL 9018<br>Rail RAL 9005  | Unit RAL 9018<br>Rail RAL 9005  | Unit RAL 7035 Rail anodized aluminum                          | Unit RAL 7035<br>Rail Painted at RAL or St/St<br>Special colors after request |
| Motor               | 24V DC/0,42kW                                 | 24V DC/0,42kW   | 220V AC/0,75kW  | 24V DC/1kW  | 24V DC/0,5kW  | 24V DC/0,5kW  |
| Max Speed           | 0,08 m/sec                                    | max 0,15 m/sec  | 0,07 m/sec  | 0,13 m/sec  | 0,10 m/sec  | 0,10 m/sec  |

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# Vertiplat



| Type                                  | Hydraulic (2:1)               |
|---------------------------------------|-------------------------------|
| Rated load (max)                      | 300 Kg                        |
| Max stops                             | 3                             |
| Max total travel (travel + pit depth) | 7000mm                        |
| Pit depth                             | Min 120mm                     |
| Headroom                              | Min 2150mm                    |
| Platform dimensions                   | Standard 900x1300mm           |
| Required free space                   | 1350x1410mm (without ramp)    |
| Speed                                 | 0,10 m/sec                    |
| Motor                                 | 1,5kW / 230V- 50Hz            |
| Shaft door                            | Hinge type with height 1100mm |

Lifting Systems



# Car Lifting Systems KTS



| Model      | KTS 2200        | KTS 3000       |
|------------|-----------------|----------------|
| Rated load | 2200kg          | 3000kg         |
| Max Travel | 12000mm         | 10000mm        |
| Stops      | max 4           |                |
| Platform   | max 2440x5500mm |                |
| Speed      | max 0,15m/sec   |                |
| Pit depth  | min 400mm       | min 500mm      |
| Headroom   | min 2700mm      |                |
| Motor      | 9,5kW/380V/50Hz | 12kW/380V/50Hz |





# Car Lifting Systems

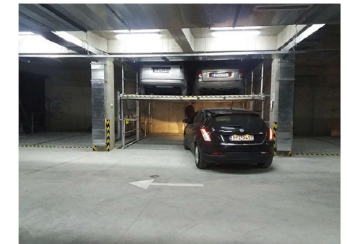
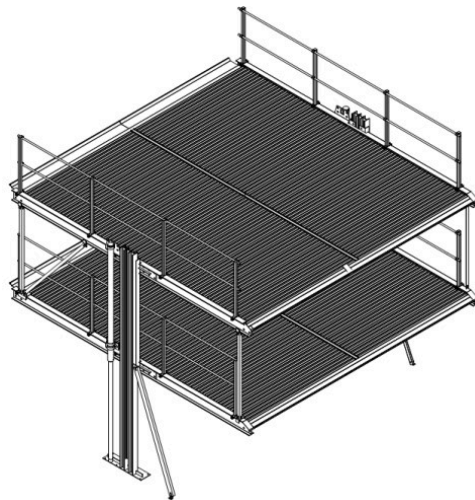
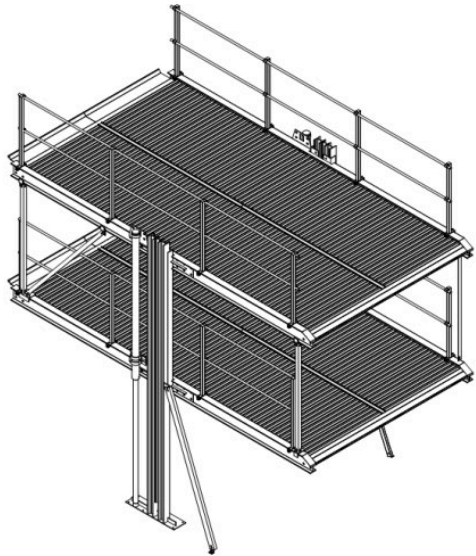
## Scissor Platform



| Model      | Single Scissor Platform | Double Scissor Platform |
|------------|-------------------------|-------------------------|
| Rated load | 3000kg                  | 3000kg                  |
| Max Travel | 4000mm                  | 7400mm                  |
| Stops      | 2                       | 3                       |
| Platform   | max 3000x6000mm         |                         |
| Speed      | 0,05 ~ 0,08m/sec        |                         |
| Pit depth  | min 500mm               | min 600mm               |
| Headroom   | min 2500mm              |                         |
| Motor      | 5,5Hp/380V/50Hz         | 7,5Hp/380V/50Hz         |



# Parking system (Independent)

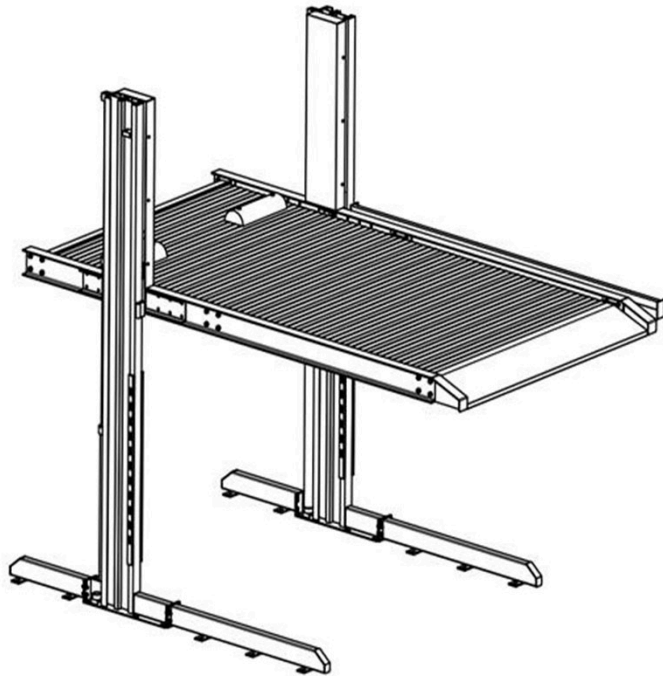


| Model                    | LPS   |
|--------------------------|---|
| Levels                   | 2   |
| Rated load               | 2500kg/ parking space   |
| Pit depth                | From 1750 up to 2300mm  |
| Distance floor - ceiling | From 3300 up to 4400mm  |
| Platform dimensions      | 2500*5200mm ( single platform)<br>5000*5200mm (double platform) |
| Required free space      | 3000*5300mm(single platform)<br>5500*5300mm (double platform)   |
| Drive mode               | Hydraulic cylinder  |
| Operation                | LOP " Hold to run type"   |
| Elevating speed          | 0.04m/sec   |
| Power supply             | 3ph-380V/50-60Hz  |
| Finishing                | Painted at RAL color or Galvanized                              |

For different platform dimensions please contact Lifting Systems Department



# Parking system (Dependent)

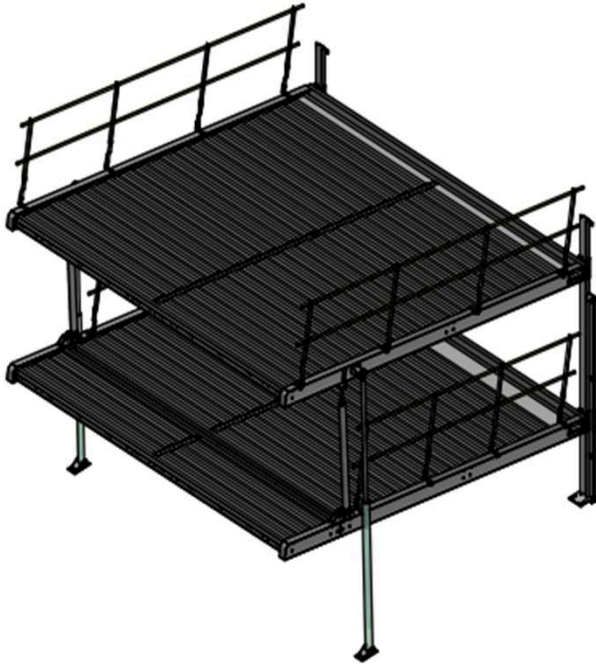


| Model                    | 1+1                                |
|--------------------------|------------------------------------|
| Levels                   | 2                                  |
| Rated load               | 2500kg                             |
| Distance floor - ceiling | 4000mm                             |
| Platform dimensions      | 2060x4280mm                        |
| Required free space      | Up 2650x5100mm                     |
| Drive mode               | Hydraulic cylinder                 |
| Operation                | LOP " Hold to run type"            |
| Elevating speed          | 0.04m/sec                          |
| Power supply             | 220-380V/1-3phase / 50-60 Hz       |
| Finishing                | Painted at RAL color or Galvanized |

For different platform dimensions and available clear height,  
please contact Lifting Systems Department



# Parking system (Independent- inclined)



| Model                    | LPS Inclined  |
|--------------------------|---|
| Levels                   | 2   |
| Rated load               | 2500kg/ parking space   |
| Pit depth                | Min 1650mm  |
| Distance floor - ceiling | Min 2900mm  |
| Platform dimensions      | 2500x5200mm (single platform)<br>5000x5200mm (double platform)  |
| Required free space      | 3000*5300mm ( single platform)<br>5500*5300mm (double platform) |
| Drive mode               | Hydraulic cylinder  |
| Operation                | LOP “ Hold to run type”   |
| Elevating speed          | 0.04m/sec   |
| Power supply             | 3ph-380V/50-60Hz  |
| Finishing                | Painted at RAL color or Galvanized                              |

For different platform dimensions please contact Lifting Systems Department



# Parking systems (Dependent)



| Model                  | Hydro park 1127             | Hydro park 1123 | Hydro park TPTP-2* |
|------------------------|-----------------------------|-----------------|--------------------|
| Rated load             | 2700kg                      | 2300kg          | 2000kg             |
| Equipment weight       | 1100kg                      | 1000kg          | 850kg              |
| Lifting height         | 2100mm                      | 2100mm          | 1600mm             |
| Usable platform width  | 2100mm                      | 2100mm          | 2100mm             |
| Power Supply           | 220V-1ph/ 420V-3ph, 50/60Hz |                 |                    |
| Operation              | Key Switch                  |                 |                    |
| Power Unit             | 2,2kw hydraulic power pump  |                 |                    |
| Lifting/ Lowering time | 50/45 sec                   | 50/45 sec       | <45 sec            |
| Finishing              | Powder coating/ galvanized  |                 |                    |

Made in China

\* Suitable for basements with available height 3000mm

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# Puzzle Parking System



| Model                    | BDP-2                           |
|--------------------------|---------------------------------|
| Levels                   | 2                               |
| Available car dimensions | 1850x5070x1550-2050mm           |
| Rated load               | 2000-2500kg                     |
| Drive mode               | Hydraulic cylinder + wipe ropes |
| Operation                | Code, Card, Manual              |
| Control                  | PLC centralized control system  |
| Elevating speed          | 8~12 m/min                      |
| Sliding speed            | 7,5m/min                        |
| Power supply             | 3ph/380V/50-60Hz                |
| Finishing                | Powder coating                  |

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# Vehicles Turntable



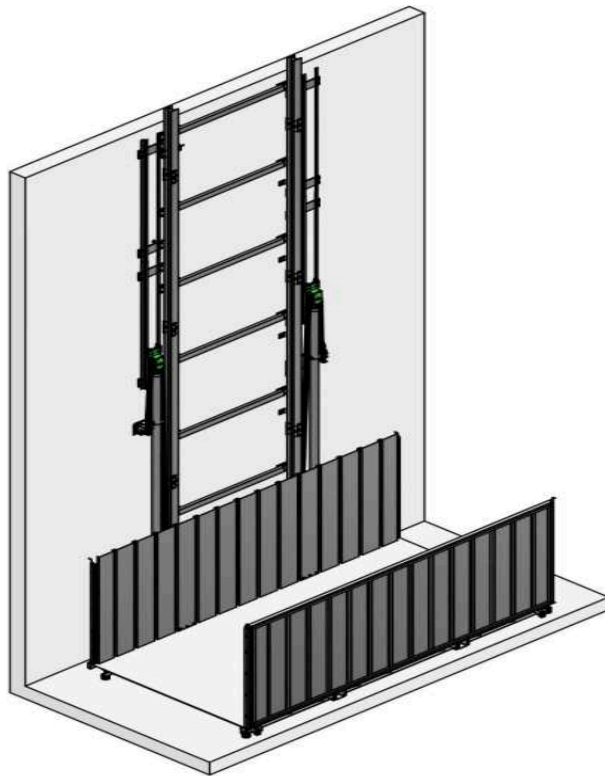
| Model         | Vehicle turntable                    |
|---------------|--------------------------------------|
| Min pit depth | 200mm                                |
| Pit diameter  | 4600mm                               |
| Motor type    | Hydraulic motor with slew ring drive |
| Rotation      | 360°                                 |

For different platform's diameter please contact Lifting Systems Department

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# Goods Only Lift



| <b>Model</b>               | <b>UN 883</b>                                    |
|----------------------------|--|
| <b>Rated Load</b>          | 3000kg   |
| <b>Travel</b>              | Max 13m  |
| <b>Stops</b>               | Max 4  |
| <b>Pit depth</b>           | Min 250mm  |
| <b>Headroom</b>            | Min 2700mm                                       |
| <b>Platform dimensions</b> | Min(w)600mm* (d)1950mm<br>Max(w)2550mm*(d)5500mm |
| <b>Drive mode</b>          | Hydraulic cylinder                               |
| <b>Operation</b>           | Lop "Call-send" buttons & Emergency Stop         |
| <b>Elevating Speed</b>     | 0,10-0,12m/sev                                   |
| <b>Power Supply</b>        | 3ph/380V/50-60Hz                                 |
| <b>Finishing</b>           | Painted at RAL color or galvanized               |

EC type examination certificate according to Machinery Directive 2006/42/EC

**Transportation of people in not allowed.**





# Dumbwaiter



| Model                       | Dumbwaiter  |
|-----------------------------|---|
| Drive Unit                  | 1-phase or 3-phase electrical motor equipped with electromagnetic disk brake and reduction worm gear box. Standard speed 0,35m/s (25-100kg)-0,17m/s (200-300kg)   |
| Operation                   | Fully automatic   |
| Rated Load                  | From 24 to 300kg  |
| Stops                       | From 2 to 12 in standard configurations   |
| Max structure height        | Up to 30 meters   |
| Car                         | Constructed in mild steel, finished in gray baked enamel RAL7038 (standard) or in stainless steel AISI304 (optional). All versions have the base and a removable shelf in stainless steel AISI 304 (only for 24-50-100kg) |
| Entrances                   | Up to 3 entrances can be fitted on each floor, in line, opposite or adjacent  |
| Landing doors               | Rise and fall shutters or single manual hinged door. Baked enamel 7038 finish(standard), or in stainless steel AISI 304 (optional)  |
| Landing push button station | Fitted with mechanical safety lock with electrical striker<br>Call and dispatch push button at each floor, "lift arrival", "lift position" & "lift occupied" indicators. Audible lift arrival buzzer.                     |

L i f t i n g   S y s t e m s



# Inclined lifts-Rope Way lifts

Suitable for indoors and outdoors installations  
For straight and curved travel



L i f t i n g   S y s t e m s



# Special Solutions

## MS01



| Model                | MS01 (T09BY)                                |
|----------------------|---|
| Rated Load           | 130kg                                       |
| Min depth of landing | 970mm                                       |
| Gradient             | Max 35 degrees                              |
| Speed                | 5min/1'                                     |
| Min Stair Width      | 720mm                                       |
| Weight               | 47kg (37kg mobile unit & 10kg steering bar) |

In conformity with European Directive 2004/108 EEC Electromagnetic Compatibility

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# Special Solutions

## PL01



|                                |                          |
|--------------------------------|--------------------------|
| <b>Model</b>                   | <b>PL01</b>              |
| <b>Rated Load</b>              | 130kg                    |
| <b>Required water pressure</b> | 4 bar                    |
| <b>Max Travel</b>              | 1600mm                   |
| <b>Material</b>                | Stainless Steel AISI 316 |

L i f t i n g   S y s t e m s



# Seatrac Solutions



- Parking area for disabled
- Changing rooms for disabled
- Access roots on the beach
- Chemical toilets for disabled
- Shower for disabled
- Web operations – social media community



Thank you

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