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Contact us:
www.kinetekinc.com | www.kinetekelevator.com
Kinetek Elevator Packages - Summary

Kinetek MRL and overhead traction elevator packages are designed to provide independent and OEM elevator contractors with reliable, turn-key, custom solutions for any modernization or new construction project.

At the core of our packages are the most sophisticated open architecture controllers, machines and peripherals in the industry. Couple these with the highest quality cabs and entrances, surfaces and fixtures available, and Kinetek Elevator Packages will meet the expectations of the most demanding customers.

Kinetek Elevator Packages
With design centers on two continents, we have the advantage of understanding the elevator marketplace across a very broad perspective. Our elevator packages reflect this flexibility:

- **Standard and Cantilevered MRLs** — 350 to 1600 kg loads at speeds to 2.0 meters per second. Conventional and cantilever designs available. (Pages 6 and 9)
- **Expanded Capacity MRLs** — Loads up to 2000 kg (2:1 roping) or 2100 to 3500 kg (4:1 roping). Conventional design. (Page 7)
- **Heavy Duty MRLs** — Loads up to 4000 kg. (4:1 roping) (Page 8)
- **Standard Machine Room** — Speeds up to 6.0 meters per second. Conventional, overhead machine room installations. (Page 10)
- **Panoramic** — 630 kg to 1000 kg loads at speeds up to 1.75 meters per second. (Pages 11-12)
- **Vehicle Lifts** — Hydraulic or traction, speeds to 0.75 meters per second. (Page 13)
- **Hydraulics** — Hydraulic installations. Traditional or roped.

**Active Key Components by Kinetek**
- **Controls** — iControl, ZXK-CAN3200C, Fusion™, Motion 4000, Motion 4000MRL and K-4000S.
- **Machines** — Kinetek permanent magnet AC gearless for MRL or overhead machine room installations.
- **Safety components** — Governor and tension sheave/weight, safeties, safety switches.
- **Door operators** — New construction and modernization.

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Kinetek’s Elevator & Escalator Solutions Group is part of Kinetek, a privately-held global manufacturing company with facilities in North America, Europe and Asia. Kinetek companies hold market leading positions in elevator/escalator, commercial floor care, material handling/aerial lift, golf/utility vehicle, medical, renewable energy and commercial food equipment markets.
Elevator Package Components - At a Glance

- **Safety Plank - Standard MRL**: Auto-reset safety gears are designed for standard MRLs.
- **Safety Plank - Cantilevered MRL**: Auto-reset safety gears are designed for cantilevered (L-Frame) MRLs.
- **Platform Isolation**: Multiple durometer tested isolation pads are installed under the platform to reduce noise and vibration.
- **Platform Construction - Vehicle Lifts**: High-quality welded platform for vehicle lifts.
- **Traction Structure - Standard MRL**: Standard MRL machine is surrounded by supporting structure that allows it to be mounted, cassette-like, between counterweight rails.
- **Traction Structure - Cantilevered MRL**: Cantilevered MRL with barrel type machine mounted.
- **Disc-brake Machines**: Disc-brake machines are highly efficient, safe, reliable and quiet.
- **Modernization Package**: ACPM gearless machines and custom-made sub-structures provide a flexible modernization solution.
- ** Slack Rope Switch**: The safety slack rope unit detects loose and/or broken ropes.
- **Car Roof Isolation**: Multiple isolation pads placed on the car roof reduce noise and vibration in the cab.
- **Suspension Structure**: For Cantilevered (L-Frame) MRLs.
- **Slack Rope Switch**: The safety slack rope unit detects loose and/or broken ropes.
- **Car Roof Isolation**: Multiple isolation pads placed on the car roof reduce noise and vibration in the cab.
- **Buffer Base**: The combined buffer base is typically designed for heavy duty MRLs.
- **Platform Pulley Device**: Traditional cast iron sheave for high-speed with 4:1 roping application.
- **Stationary Suspension Pulley**: The stationary suspension pulley is typically designed for heavy duty MRLs.
- **Counterweight Sheave**: The counterweight sheave provides needed suspension solution for heavy duty MRLs.
- **Diventer Sheave**: High-quality machined diverter sheaves for machine room and MRL, low or high-speed.
- **Slack Rope Switch**: The safety slack rope unit detects loose and/or broken ropes.
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- **Diventer Sheave**: High-quality machined diverter sheaves for machine room and MRL, low or high-speed.
**Standard MRLs**

**HOISTWAY PLAN**

**HOISTWAY SECTION**

**OTHER FLOORS**

**Control Panel**

**Ent. Height (EN)**

**MIN. Overhead (OH)**

**Pit Depth (PP)**

**Travel (TR)**

**Total Height (TH)**

**Ceiling**

**Concrete Opening**

**Clear Height (HC)**

**Opening (OP)**

**Control Panel**

**Distribution Box**

**Center Opening**

**OTHER FLOORS**

**Control Panel**

**Top Floor (with control panel)**

**Side Opening**

**Center Opening**

**Top Floor (with control panel)**

**SIDE OPENING STANDARD DIMENSIONS (units: mm)**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Speed (m/s)</th>
<th>Max. Clear Opening (mm)</th>
<th>Car Inside Hoistway (KG Persons CA x CB X x Y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>1.0</td>
<td>1200 x 1800</td>
<td>1350 x 2350</td>
</tr>
<tr>
<td>400</td>
<td>1.0</td>
<td>1200 x 1800</td>
<td>1600 x 2500</td>
</tr>
</tbody>
</table>

**Note**: HC = 2350 (Clear Height)

2:1 underslung arrangement

---

**Expanded Capacity MRLs**

**HOISTWAY PLAN**

**HOISTWAY SECTION**

**OTHER FLOORS**

**Control Panel**

**Ent. Height (EN)**

**MIN. Overhead (OH)**

**Pit Depth (PP)**

**Travel (TR)**

**Total Height (TH)**

**Ceiling**

**Concrete Opening**

**Clear Height (HC)**

**Opening (OP)**

**Control Panel**

**Distribution Box**

**Center Opening**

**OTHER FLOORS**

**Control Panel**

**Top Floor (with control panel)**

**Side Opening**

**Center Opening**

**Top Floor (with control panel)**

**SIDE OPENING STANDARD DIMENSIONS (units: mm)**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Speed (m/s)</th>
<th>Max. Clear Opening (mm)</th>
<th>Car Inside Hoistway (KG Persons CA x CB X x Y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>330</td>
<td>1.0</td>
<td>1200 x 1800</td>
<td>1700 x 2500</td>
</tr>
<tr>
<td>400</td>
<td>1.0</td>
<td>1200 x 1800</td>
<td>1900 x 2650</td>
</tr>
</tbody>
</table>

**Note**: HC = 2200 (Clear Height)

For P13 capacity, if decoration weight greater than 200kg, increase pit depth 100mm.

2:1 underslung arrangement
### CENTER OPENING STANDARD DIMENSIONS (units: mm)

<table>
<thead>
<tr>
<th>Capacity (KG)</th>
<th>Persons</th>
<th>Speed (m/s)</th>
<th>Max Clear Opening</th>
<th>Car Inside Hoistway</th>
<th>Roofway</th>
</tr>
</thead>
<tbody>
<tr>
<td>2500</td>
<td>3</td>
<td>0.5/1.0</td>
<td>1600 (2CO)</td>
<td>1950x2400</td>
<td>3100x3000</td>
</tr>
<tr>
<td>3500</td>
<td>3</td>
<td>0.5/1.0</td>
<td>2000 (2CO)</td>
<td>2250x2900</td>
<td>3550x3400</td>
</tr>
<tr>
<td>4000</td>
<td>3</td>
<td>0.5/1.0</td>
<td>2200 (2CO)</td>
<td>2500x2900</td>
<td>3800x3400</td>
</tr>
<tr>
<td>630</td>
<td>8</td>
<td>0.5/1.0</td>
<td>800 (SO)</td>
<td>1100x1400</td>
<td>1700x1800</td>
</tr>
<tr>
<td>800</td>
<td>10</td>
<td>0.5/1.0</td>
<td>900 (SO)</td>
<td>1400x1400</td>
<td>2000x1800</td>
</tr>
<tr>
<td>1000</td>
<td>13</td>
<td>0.5/1.0</td>
<td>900 (CO)</td>
<td>1500x1550</td>
<td>2100x1900</td>
</tr>
</tbody>
</table>

Note: HC = 2300mm (Clear Height)

### Heavy Duty MRLs

**Capacity (1:1)**

<table>
<thead>
<tr>
<th>Capacity (KG)</th>
<th>Persons</th>
<th>Speed (m/s)</th>
<th>Max Clear Opening</th>
<th>Car Inside Hoistway</th>
<th>Roofway</th>
</tr>
</thead>
<tbody>
<tr>
<td>6000</td>
<td>14</td>
<td>0.5/1.0</td>
<td>1500 (CO/SO) Customer’s Requirement</td>
<td>1600x2100</td>
<td>3050x3300</td>
</tr>
<tr>
<td>6000</td>
<td>14</td>
<td>1.0/1.0</td>
<td>1500 (CO/SO) Customer’s Requirement</td>
<td>1600x2100</td>
<td>3050x3300</td>
</tr>
</tbody>
</table>

Note: HC = 2200mm (Clear Height)

### Cantilevered MRLs

**Capacity (2:1)**

<table>
<thead>
<tr>
<th>Capacity (KG)</th>
<th>Persons</th>
<th>Speed (m/s)</th>
<th>Max Clear Opening</th>
<th>Car Inside Hoistway</th>
<th>Roofway</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000</td>
<td>10</td>
<td>0.5/1.0</td>
<td>1250 (CO/SO) Customer’s Requirement</td>
<td>1300x1950</td>
<td>2800x3150</td>
</tr>
<tr>
<td>5000</td>
<td>10</td>
<td>1.0/1.0</td>
<td>1250 (CO/SO) Customer’s Requirement</td>
<td>1300x1950</td>
<td>2800x3150</td>
</tr>
</tbody>
</table>

Note: HC = 2300mm (Clear Height)
Panoramic MRLs. Type III and IV

**Center Opening Standard Area Dimensions (units: mm)**

<table>
<thead>
<tr>
<th>Type</th>
<th>Specification</th>
<th>Capacity (kg)</th>
<th>Speed (m/s)</th>
<th>Overhead (OH)</th>
<th>Pit Depth (PP)</th>
<th>Machine Room Height (MRH)</th>
<th>Machine Room Height (MRH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrolic</td>
<td>A2500-C030/45</td>
<td>1600</td>
<td>0.5/1.0</td>
<td>3450</td>
<td>1250</td>
<td>2000</td>
<td>n/a</td>
</tr>
<tr>
<td>Hydrolic</td>
<td>A3000-C030/45</td>
<td>1600</td>
<td>0.5/1.0</td>
<td>3900</td>
<td>1250</td>
<td>2000</td>
<td>n/a</td>
</tr>
<tr>
<td>Hydrolic</td>
<td>A3500-C030/45</td>
<td>1600</td>
<td>0.5/1.0</td>
<td>4400</td>
<td>1250</td>
<td>2000</td>
<td>n/a</td>
</tr>
<tr>
<td>Traction</td>
<td>A2500-C030/60</td>
<td>1600</td>
<td>0.5/1.0</td>
<td>3450</td>
<td>1250</td>
<td>2000</td>
<td>n/a</td>
</tr>
<tr>
<td>Traction</td>
<td>A3000-C030/60</td>
<td>1600</td>
<td>0.5/1.0</td>
<td>3900</td>
<td>1250</td>
<td>2000</td>
<td>n/a</td>
</tr>
<tr>
<td>Traction</td>
<td>A3500-C030/60</td>
<td>1600</td>
<td>0.5/1.0</td>
<td>4400</td>
<td>1250</td>
<td>2000</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**Performance and Vertical Dimensions (units: mm)**

<table>
<thead>
<tr>
<th>Type</th>
<th>Speed (m/s)</th>
<th>Capacity (kg)</th>
<th>Overhead (OH)</th>
<th>Pit Depth (PP)</th>
<th>Machine Room Height (MRH)</th>
<th>Car Height (CH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrolic</td>
<td>0.5</td>
<td>1600</td>
<td>3450</td>
<td>1250</td>
<td>2000</td>
<td>2000</td>
</tr>
<tr>
<td>Hydrolic</td>
<td>0.75</td>
<td>1600</td>
<td>3900</td>
<td>1250</td>
<td>2000</td>
<td>2000</td>
</tr>
<tr>
<td>Traction</td>
<td>0.5</td>
<td>1600</td>
<td>4400</td>
<td>1600</td>
<td>2000</td>
<td>2000</td>
</tr>
<tr>
<td>Traction</td>
<td>1.0</td>
<td>1600</td>
<td>4400</td>
<td>1600</td>
<td>2000</td>
<td>2000</td>
</tr>
<tr>
<td>Traction</td>
<td>0.5</td>
<td>2100</td>
<td>3900</td>
<td>1800</td>
<td>n/a</td>
<td>2000</td>
</tr>
<tr>
<td>Traction</td>
<td>1.0</td>
<td>2100</td>
<td>3900</td>
<td>1800</td>
<td>n/a</td>
<td>2000</td>
</tr>
<tr>
<td>Traction</td>
<td>0.5</td>
<td>2600</td>
<td>4100</td>
<td>1800</td>
<td>n/a</td>
<td>2000</td>
</tr>
<tr>
<td>Traction</td>
<td>1.0</td>
<td>2600</td>
<td>4100</td>
<td>1800</td>
<td>n/a</td>
<td>2000</td>
</tr>
</tbody>
</table>

**Note:** HC = Clear Height

Machine Room-Less traction vehicle lifts shown. Also available for hydraulic and vehicle lift applications.
Kinetek elevator cabs, entrances and doors are engineered and manufactured to the highest industry standards. We provide complete cabs in a variety of finishes.

**Classic Stainless Finishes**

- Marine
- Marine
- Satin
- Finished

**Classic Laminate & Formica Finishes**

- Formica Color Finish - Blue
- Formica Color Finish - Red
- Formica Color Finish - Yellow

**Classic Lightings and Handrail Finishes**

- Flat Stainless Steel w/ LED downlights
- Suspended Ceiling
- Handrail 1
- Handrail 2

**Classic Flooring Finishes**

- FH-01
- FH-02
- KT-002 (PVC)
- KT-003 (PVC)

*For more color options, contact your sales representative.*
Cabs - Prestige Collection

Prestige

Prestige Wood Finishes
- Beech (F-2074)
- Cherry (F-7033)
- Oak (F-2185)
- Teak (F-6824)
- Walnut (F-43-1)

Prestige Glass Finishes
- RAL1014
- RAL2011
- RAL3002
- RAL5024
- RAL6019
- RAL8024

Prestige Handrail Finishes
- GF1
- GF2
- J0007

Prestige Flooring Finishes
- Black
- Brown
- Gray
- Green
- Ivory
- White
Cabs - Pattern SS

Pattern SS Finishes
- MSL
- Linex
- Rhomboids

Pattern SS Flooring
- Flooring 1
- Flooring 2

Cabs - Panoramic

KT-OR001
KT-OR002
KT-OR003
KT-OR004

Large SS Pattern Image
Kinetek Direct Replacement Modernization Packages are designed to replace AC geared machines in 1:1 and 2:1 roped applications. Modernization packages provide all the advantages of ACPM, synchronous technology in a package engineered to provide everything you need to replace an existing geared machine in the shortest possible time.

Compared to geared machines, ACPM technology delivers an average 30% improvement in energy efficiency, reduced noise levels, cooler operating temperatures, better ride quality, and improved control during acceleration and deceleration.

Direct replacement modernization packages reduce engineering calculation and installation time — allowing profitable, repeatable modernizations.

Features
- Installation time savings with much less work on-site
- Accurate control across the speed range
- Green - no oil lubricants
- Low speed direct drive (no gears)
- Cooler operation
- Dual, independent brakes allow external rope brake to be eliminated (each brake will hold 125% of rated capacity)
- Complete hardware package eliminates on-site engineering calculation and fabrication of heavy base and beam structures

Applications
- Modernization or new construction
- Accurate control across the speed range

Kinetek elevator packages feature beautiful yet rugged car and hall fixtures.
<table>
<thead>
<tr>
<th>Series</th>
<th>Description</th>
<th>Capacity 1</th>
<th>Capacity 2</th>
<th>Elevator Speed 1</th>
<th>Elevator Speed 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>WTY1 Series</td>
<td>Compact package and high performance.</td>
<td>320 kg - 1600 kg</td>
<td>320 kg - 800 kg</td>
<td>0.63 m/s - 2.5 m/s</td>
<td>1.0 m/s - 2.5 m/s</td>
</tr>
<tr>
<td>WTY2 Series</td>
<td>Power over a wide range of applications.</td>
<td>1600 kg - 4000 kg</td>
<td>320 kg - 800 kg</td>
<td>1.75 m/s</td>
<td>0.63 m/s - 2.5 m/s</td>
</tr>
<tr>
<td>SWTY1 Series</td>
<td>Compact package and high performance.</td>
<td>320 kg - 800 kg</td>
<td></td>
<td>2.5 m/s</td>
<td></td>
</tr>
<tr>
<td>SWTY2 Series</td>
<td>1:1 roping for high power requirements.</td>
<td>1000 kg - 2000 kg</td>
<td></td>
<td>1.0 m/s - 2.5 m/s</td>
<td></td>
</tr>
<tr>
<td>WJ Series</td>
<td>Compact size, powerful acceleration.</td>
<td>320 kg - 1000 kg</td>
<td>320 kg - 1000 kg</td>
<td>1.0 m/s - 1.75 m/s</td>
<td></td>
</tr>
<tr>
<td>WR Series</td>
<td>The perfect MRL solution.</td>
<td>320 kg - 1000 kg</td>
<td>450 kg - 2000 kg</td>
<td>1.0 m/s - 1.75 m/s</td>
<td></td>
</tr>
<tr>
<td>WTYF2 Series</td>
<td>High speed, high performance.</td>
<td>1000 kg - 1600 kg</td>
<td>900 kg - 2040 kg</td>
<td>3.0 m/s - 4.0 m/s</td>
<td></td>
</tr>
<tr>
<td>Frame 800 Series</td>
<td>High speed, high performance.</td>
<td>900 kg - 2040 kg</td>
<td>1360 - 3625 kg</td>
<td>3.5 m/s</td>
<td></td>
</tr>
</tbody>
</table>
Safety Components

Progressive Safeties

Applications
• Modernization or new construction

Benefits
• Quality construction

Buffers
High quality, EN 81 compliant, hydraulic compression, spring return buffers. Buffers are provided with compression switch and oil level dipstick.

Applications
• Modernization or new construction

Benefits
• Rapid return
• Quality construction

Acceptable Hydraulic Oils
• Mobil D.T.E. 26
• Esso Nuto H 68
• Shell Tellus Oi 68
• Sunoco Sunvis B31 VR
• Texaco Rando OL HC 0

Overspeed Governor
The XS200 is a bi-directional, centrifugal overspeed governor designed to trip at 1.45 m/s in the up direction and at 1.34 m/s in the down direction.

Applications
• Modernization or new construction

Benefits
• Bi-directional operation
• Pre-trip overspeed switch
• Slack rope switch


<table>
<thead>
<tr>
<th>Models</th>
<th>AG10</th>
<th>AG52</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tripping speed</td>
<td>0.58 to 2.62 m/s</td>
<td>≤ 3.22 m/s</td>
</tr>
<tr>
<td>Minimum mass</td>
<td>1200 kg</td>
<td>1200 kg</td>
</tr>
<tr>
<td>Maximum mass</td>
<td>3000 kg</td>
<td>4000 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Models</th>
<th>YN/180</th>
<th>YN/175</th>
<th>YN/206</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum speed</td>
<td>1.0 m/s</td>
<td>1.6 m/s</td>
<td>1.75 m/s</td>
</tr>
<tr>
<td>Maximum impact speed</td>
<td>1.15 m/s</td>
<td>1.84 m/s</td>
<td>2.01 m/s</td>
</tr>
<tr>
<td>Minimum mass</td>
<td>950 kg</td>
<td>500 kg</td>
<td>500 kg</td>
</tr>
<tr>
<td>Maximum mass</td>
<td>3000 kg</td>
<td>3100 kg</td>
<td>3000 kg</td>
</tr>
<tr>
<td>Hydraulic oil type</td>
<td>L-HM 66</td>
<td>L-HM 66</td>
<td>L-HM 66</td>
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</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>XS-200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Bi-directional overspeed</td>
</tr>
<tr>
<td>Steel wire rope diameter</td>
<td>6 mm</td>
</tr>
<tr>
<td>Car rated speed</td>
<td>1.0 m/s</td>
</tr>
<tr>
<td>Pulling force of safety gear</td>
<td>≥ 600 N</td>
</tr>
</tbody>
</table>
Flexible, high performance traction controls for low- and mid-rise applications.
The Motion 4000 traction elevator control is designed to meet the needs of elevator installations by making the jobs of installers, adjusters, and maintenance personnel as straightforward as possible with minimal hardware requirements.

- Contract Speed (meters per second): 6 m/s
- Floors/Openings: 32/64
- Group Size: to 8 cars

A Compact Solution for Limited Space and Unlimited Performance.
The Motion 4000MRL traction elevator package is the ideal solution when time and space are limited and your bottom line depends on on-time delivery, easy installation, and solid reliability.

- Contract Speed (meters per second): 4 m/s
- Floors/Openings: 32/64
- Group Size: to 8 cars

Clean, Simple, Economical, Dependable.
The Motion 2000 hydraulic control solution is simple to install and maintain and supports simplex, duplex or group control.

- Contract Speed (meters per second): 200 fpm — 1.0 m/s
- Floors/Openings: 32/64
- Group Size: to 8 cars

Features and capabilities unmatched in the industry.
iControl is the revolutionary platform that outperforms today’s industry-standard controllers.

- Contract Speed (meters per second): 10 m/s
- Floors/Openings: 96/192
- Group Size: to 15 cars

Simplex/duplex/groups to six cars.
The ZXK-CAN 3200C is suitable for elevators up to 64 floors, full collective, duplex and group control.

- Contract Speed (meters per second): 4 m/s
- Floors/Openings: 64/128
- Group Size: to 6 cars

When Space is Limited.
ZXK 3000B VVF and VVF MRL uses a building block approach resulting in a small number of circuit boards with logically grouped functionality, linked by a high speed CAN bus. The main controller handles hoistway and machine room equipment. The car control board handles all car related equipment.

- Contract Speed (meters per second): 2 m/s
- Floors/Openings: 64/128
- Group Size: to 8 cars

Clean, Simple, Economical, Dependable.
The Motion 3000ES Escalator Control brings new technology and control sophistication to the escalator market. Available in VVVF Variable Speed or Wye/Delta Direct Line Control versions, the 3000ES is quality-engineered from concept to completion.

- Contract Speed (meters per second): Limited to 100 fpm — 0.5 m/s in most areas
Fusion merges two previously distinct technologies — elevator control functionality and elevator drive performance — into a single, efficient union.

With Fusion, installation is simpler because the task of wiring the controller and drive has been eliminated. Because Fusion is a single unit, there is no additional wiring required between the controller and drive. After installation is complete, the advantages of Fusion continue through the set up process. Setup is much simpler because controller and drive parameters are synchronized as a single unit, and easy to adjust using the onboard keypad and LED display.

Applications
- Modernization or new construction
- Speeds to 4.0 m/s
- Simplex/duplex to 8 cars
- Synchronous or asynchronous motor

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>SPECIFICATION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>Three-phase, AC</td>
<td>380V ± 15%</td>
</tr>
<tr>
<td></td>
<td>Frequency</td>
<td>50 - 60 Hz ± 5%</td>
</tr>
<tr>
<td></td>
<td>Power factor Cos</td>
<td>&gt; 0.82</td>
</tr>
<tr>
<td></td>
<td>Power range</td>
<td>7.5 - 30 kW</td>
</tr>
<tr>
<td>Output</td>
<td>Voltage range</td>
<td>0 - rated input voltage</td>
</tr>
<tr>
<td></td>
<td>Frequency range</td>
<td>50 - 1000 Hz</td>
</tr>
</tbody>
</table>
Kinetek’s Destination Based Dispatching is an innovative dispatching system that enhances building traffic flow by intelligently matching passengers to elevator cars and achieving optimal efficiency.

Destination entry is the first step for the passenger

Keypad Destination Entry

Mounting Options

10.4 inch applied mount

Touch Screens
Finish: #4 stainless steel

10.4 inch surface mount

(App) Pick the floor

(B) Pick the number of riders

(C) Note the assignment

Real time monitoring for all Kinetek controls

Elevator group monitoring application.
iMonitor provides real-time viewing and access — for elevators just across the hall, in multiple buildings across a campus, even multiple sites across the country. iMonitor’s graphical presentation and real-time connectivity provide up-to-the-minute information and allow you to take control if needed.
iMonitor provides general views of multiple elevator groups, hoistway views of multiple cars within a group or detailed views of selected cars. Create “connection sets” to display — each connection set consists of up to fifty connections to elevator group dispatchers, each of which may be at a different physical site.
iMonitor also allows you to configure hall and car call security, enable or disable special group modes of operation, recall a car to a floor you specify, control its door operation at that floor and enable or disable individual car operating modes.

High level multi-group view.
Use iMonitor’s high-level views to maintain a broad perspective on several groups simultaneously.

Detailed single-group view.
Narrow your attention to cars in a particular elevator group with a click of the mouse.

Campus View

Kinetek’s innovative Campus View software will allow you to view a customized, three-dimensional layout of your site. Structures with elevators or escalators use lighted icons to indicate normal conditions and to immediately alert you if a unit is operating in any mode other than normal operation.

“Mouse over” a transportation group to view connection information. Click on a group icon to access detailed information about each elevator car.
### Escalator Packages

**ESCALATOR PACKAGES**

- Traction machine
- Controller
- Truss
- Driver
- Aluminum or Stainless floor plates
- Aluminum or Stainless steps
- Step chain, guide rail, side panels
- Handrail (color selection)
- Anti-pinch guard on skirt panel
- Full safety string

### Escalator and Moving Walkways

#### Escalator Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Step Width mm</th>
<th>Max Height mm</th>
<th>Power kW</th>
<th>Speed m/s</th>
</tr>
</thead>
<tbody>
<tr>
<td>KM 160</td>
<td>1000</td>
<td>5.8</td>
<td>7.6</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>6.0</td>
<td>7.5</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td>6.0</td>
<td>7.6</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>6.0</td>
<td>9.0</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td>6.0</td>
<td>10.0</td>
<td>0.5</td>
</tr>
<tr>
<td>KM 140</td>
<td>800</td>
<td>7.5</td>
<td>9.0</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>9.0</td>
<td>9.0</td>
<td>0.5</td>
</tr>
<tr>
<td>KM 120</td>
<td>800</td>
<td>7.5</td>
<td>9.0</td>
<td>0.5</td>
</tr>
</tbody>
</table>

#### Riser/Power/Speed

### Activities

- **Riser/Power/Speed**

### Reactions

<table>
<thead>
<tr>
<th>Type</th>
<th>Step Width mm</th>
<th>Max Height mm</th>
<th>Power kW</th>
<th>Speed m/s</th>
</tr>
</thead>
<tbody>
<tr>
<td>KM 160</td>
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<td>0.5</td>
</tr>
<tr>
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<td></td>
<td>600</td>
<td>6.0</td>
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<td>0.5</td>
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<tr>
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<td>7.5</td>
<td>9.0</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>9.0</td>
<td>9.0</td>
<td>0.5</td>
</tr>
<tr>
<td>KM 120</td>
<td>800</td>
<td>7.5</td>
<td>9.0</td>
<td>0.5</td>
</tr>
</tbody>
</table>

#### KM 160

- Vertical worm gear traction machine, 380 VAC, 50/60 Hz
- Brake voltage - 220 VAC

#### KM 140

- Horizontal, helical gear traction machine, 380 VAC, 50/60 Hz
- Brake voltage - 220 VAC
- Reduces energy consumption by 30% over traditional, vertical worm gear machines
### People Mover Specifications

#### Dimensions

<table>
<thead>
<tr>
<th>Angle</th>
<th>D</th>
<th>AR</th>
<th>AE</th>
<th>AL</th>
<th>F</th>
<th>G</th>
<th>P</th>
<th>M</th>
<th>K</th>
<th>J</th>
<th>Pallet Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°</td>
<td>5.7046S (12°)</td>
<td>12784 (10°)</td>
<td>11597 (11°)</td>
<td>10604 (12°)</td>
<td>752.3</td>
<td>896</td>
<td>926</td>
<td>1300</td>
<td>1007</td>
<td>1237</td>
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<tr>
<td>11°</td>
<td>5.1446S (11°)</td>
<td>1210</td>
<td>11597</td>
<td>10604</td>
<td>752.35.6713H (10°)</td>
<td>896</td>
<td>926</td>
<td>1300</td>
<td>1007</td>
<td>1237</td>
<td>1530</td>
</tr>
<tr>
<td>12°</td>
<td>4.7046H (12°)</td>
<td>1300</td>
<td>1430</td>
<td>1237</td>
<td>1500</td>
<td>1630</td>
<td>1007</td>
<td>1237</td>
<td>1530</td>
<td>1000</td>
<td>1000</td>
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</tbody>
</table>

#### Reactions kN

<table>
<thead>
<tr>
<th>Pallet Width</th>
<th>Footprint</th>
<th>2 Supports</th>
<th>3 Supports</th>
<th>4 Supports</th>
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<tbody>
<tr>
<td>60 kN</td>
<td>60 kN</td>
<td>60 kN</td>
<td>60 kN</td>
<td>60 kN</td>
</tr>
</tbody>
</table>

- **Diagrams and Plans:**
  - **People Mover Layout:**
  - **Dimensions Table:**
  - **Reactions Table:**

---

**Note:**

- **Angle D**: Angle of support.
- **Pallet Width**: Width of the pallet.
- **Footprint**: Area covered by the footprint.
- **Supports**: Number of supports.

**Additional Details:**

- **Working Line**: Location of the working line.
- **Well Rail**: Edge of support.
- **Clear Floor Access Area**: Minimum clear floor access area.
- **Deflector**: Deflector placement for accessibility.
- **Power Supply**: Electrical supply requirements.

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**Images:**

- Image 1: Escalators and Moving Walkways layout.
- Image 2: Detailed view of the layout with dimensions.
- Image 3: Close-up of the layout's critical sections.

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**Source:**

- **KINZTEK**

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**Contact:**

- Kinztek Customer Support
  - Phone: 123-456-7890
  - Email: support@kinztek.com
  - Website: www.kinztek.com