REDUCE employee injuries from strain and fatigue

SAFELY transport materials across various surfaces and inclines

IMPROVE your ergonomic footprint

BOOST employee morale and productivity

INCREASE your bottom line profitability

When the job calls for pulling, pushing, lifting or turning, our products help you get the job done safely.

(262) 250-7740
sales@ek-tech.com

W194 N11301 McCormick Drive
Germantown, Wisconsin 53022

www.ek-tech.com
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**AC VECTOR TECHNOLOGY**

With our **AC Vector Power®** technology these electric powered carts deliver maximum power and torque across the entire speed range unlike traditional DC technology. This gives you the Power You Need at Any Speed® to move any load, anywhere, under any conditions with precise speed control down to 0.1 mph.

**BATTERY PACK**

Cradled AGM or lithium battery packages are available for easy removal during maintenance or hot-swappable when the motorized carts are used in 24/7 operations.

**MONITORING SYSTEM**

The advanced battery monitoring system provides a visual display of critical battery parameters including state-of-charge, consumed amp-hours, and battery voltage. Visual and audible indicators provide alerts to the operator providing them with feedback that it is time to recharge the batteries. Bluetooth® capability and a downloadable app provide additional monitoring capability on any smart phone.

**AC REGEN**

AC ReGen® Technology used during braking enables the electric powered cart's kinetic energy to be converted back to electrical energy that replenishes the on board batteries thereby increasing the time between recharging.

**FINITE ELEMENT ANALYSIS**

To ensure our products meet or exceed your most stringent requirements, our motorized cart designs are put through rigorous finite element analysis (FEA) with added safety margins.

**Contact**

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Recommended Load Weight-Casters:</th>
<th>25,000+ lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Load Weight-Rails:</td>
<td>100,000+ lbs.</td>
</tr>
<tr>
<td><strong>Drive System:</strong></td>
<td>1.7 kW transaxle powered by AC Vector Power® technology</td>
</tr>
<tr>
<td><strong>Drive Wheels:</strong></td>
<td>12” x 3” molded rubber on solid cast iron industrial rims</td>
</tr>
<tr>
<td><strong>Chassis:</strong></td>
<td>Welded steel, FEA on frame</td>
</tr>
<tr>
<td><strong>Variable Speed Range:</strong></td>
<td>0.1 to 1.5 mph, low setting 0.1 to 3.0 mph, high setting</td>
</tr>
<tr>
<td><strong>Battery Packs:</strong></td>
<td>48V, 100Ah AGM swappable 48V, 120 Ah lithium iron phosphate swappable</td>
</tr>
<tr>
<td><strong>Battery Charger:</strong></td>
<td>120/240 VAC, single-phase, 6A/2.9A, 50/60 Hz. UL, cUL &amp; CSA.</td>
</tr>
<tr>
<td><strong>Parking Brake:</strong></td>
<td>Electromagnetic</td>
</tr>
<tr>
<td><strong>Operating Temperature:</strong></td>
<td>0 to +40° C</td>
</tr>
<tr>
<td><strong>Charging Temperature:</strong></td>
<td>-23° to +60° C</td>
</tr>
<tr>
<td><strong>Noise Level:</strong></td>
<td>&lt;65 dBA</td>
</tr>
<tr>
<td><strong>Ingress Protection:</strong></td>
<td>IP 42, controller IP 54</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

[Diagram of the equipment]
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