

Electric Chain Hoists For Harsh Environments

This chart outlines recommended electric chain hoist features and models based on different harsh operating environments.

<i>Environment</i>	<i>Risks</i>	<i>Recommended Features</i>	<i>Suggested Electric Chain Hoists*</i>
Dusty/Particulate Heavy	Clogged vents, motor wear, internal abrasion	<ul style="list-style-type: none"> • Totally Enclosed Fan-Cooled (TEFC) motors • Enclosed brake systems • Durable housing (cast aluminum or powder-coated steel) 	<ul style="list-style-type: none"> • CM Lodestar • Harrington NER2
Moisture-Prone/Wet Environment	Corrosion, electrical shorts, brake slippage	<ul style="list-style-type: none"> • IP55–IP65 enclosures • Stainless steel load chain and fasteners • Marine-grade finishes • Sealed VFD controls 	<ul style="list-style-type: none"> • Harrington NER2/SNER • Demag DC-Pro • CM ShopStar
Cold Storage/Freezer Use	Thickened lubricants, brittle components, start-up failure	<ul style="list-style-type: none"> • Low-temp lubricants • Brake insulation • Enclosure/motor heaters • Soft-start VFDs 	<ul style="list-style-type: none"> • Harrington NER2 (low-temp rated model available) • CM Lodestar XL (requires cold-weather customization)
High-Heat Environments	Insulation breakdown, electronic failure, shortened lifespan	<ul style="list-style-type: none"> • Thermal overload sensors • Heat-rated insulation • Metallic components • Simplified or manual control systems 	<ul style="list-style-type: none"> • Harrington NER • Lodestar • Demag DC-Com • Coffing JLC (with options) • CM Powerstar

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*Suggested Electric Chain Hoists shown may require specific configurations or accessories for safe use in these environments. Please contact us at (800) 733-2231 to get model and configuration recommendations based on your specific use case.

*Always verify application suitability with the manufacturer and ensure compliance with OSHA, ANSI, and relevant safety codes.