

## PURPOSE

To define (N)ER2 and MR2 products and configurations that qualify as UL listed products.

## SCOPE

(N)ER2 electric chain hoists, MR2 motorized trolleys, and combinations thereof, in all speeds all models.

## DESCRIPTION

In very general terms, with some exceptions, standard configurations qualify for UL and custom configurations do not. In all cases, it is best to confirm UL listing qualification before time of quote / order entry if it is a critical concern.

## INFORMATION

The following configurations **DO QUALIFY** as UL listed product:

- 1) Any lift length of standard NP chain (no ND chain) up to listed maximums.
- 2) Hoist/trolley configurations:
  - (a) (N)ER2M, (N)ER2P, (N)ER2G.
  - (b) Mechanical modifications to the trolley such as flange range (e.g. extended flange), suspensions, bumpers, drop stops, etc.
- 3) Any pendant drop length or power supply length (up to the maximum limit as permitted by conductor gauge and wire type) using UL rated cable and retaining the standard 4-pin and 8-pin plugs.
- 4) Any UL listed/recognized pendant station with the same button arrangement as the standard (N)ER2 or (N)ER2M pendant (i.e. single speed hoist = 2-button, dual speed hoist = 2-button w/e-stop, (N)ER2M = 4-button w/e-stop).
- 5) Standard power supply voltages at 60 Hz: 208, 230 and 460.
- 6) Equipped with standard canvas, plastic or steel chain container.
- 7) 2-step infinitely variable VFD.
- 8) Standard 110V control voltage.
- 9) Bullard or Shur-Loc Bottom hook
- 10) Capacity relabeling, when rerating or derating a unit. (i.e. US Ton to Metric Ton, or 1 Ton to 1500 pounds.) In all cases a UL approved capacity label(s) are required using a Kito (N)ER2/MR2 label or HHI printed capacity label on UL approved material.

The following configurations **DO NOT QUALIFY** as UL listed product:

- 1) Addition or alteration of any electrical component (radio remote, mainline disconnect panel, non-standard VFD, custom control voltage, custom power supply voltage, motor rewind, 3-step infinitely variable VFD, Load Limiter, etc.).
- 2) Non-standard pendant that is not UL listed.
- 3) No direct-wired pendant and power supply connections.
- 4) Non-standard mechanical hoist components which, A) are load bearing and B) are not listed above. (i.e. food grade chain)

- 5) Non-standard power supply configuration (flat cable, special wire for festooning, etc.).
- 6) Incomplete hoists such as less chain, less pendant, less power supply cord, etc.
- 7) Cylinder control models.
- 8) MR2 trolley alone.
- 9) The replacement of UL required and approved labeling with non-approved UL labeling.
  - i.e. 1. Nameplate B, C, or D
  2. UL Marking Label
  3. Check Voltage Label
  4. Warning Seal E
  5. Wiring Diagram
  6. Motor Nameplate

**END**