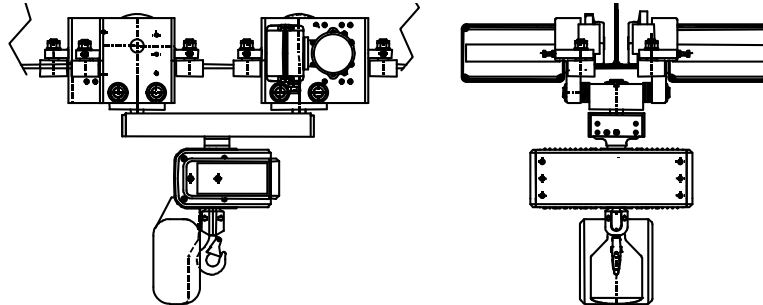


## 27 Swiveling Motor Driven Trolley

A special swiveling motor driven trolley is available from the factory for negotiating radius curves less than those listed for the TMU.



Hoist	Flange Range (inch)	Minimum Radius of Curve* Ft [meter]	Max. Flange Thickness Inch [mm]	Wheel ø Inch (mm)	Tread width Inch [mm]	Minimum Whl to Whl clearance** inch [mm]	Wheel Hardness BHN
LM05	2.62-11.50	2.63 [0.8]	1 [25]	3.94 [100]	0.83 [21]	7/8 [22]	170
LM10	2.62-11.50	2.63 [0.8]	1 [25]	3.94 [100]	0.83 [21]	7/8 [22]	170
LM16	2.62-11.50	2.63 [0.8]	1 [25]	3.94 [100]	0.83 [21]	7/8 [22]	170
LM20	3.54-11.50	3.94 [1.2]	1 [25]	3.94 [100]	0.83 [21]	1 3/4 [44]	170
LM25	3.54-11.50	3.94 [1.2]	1 [25]	3.94 [100]	0.83 [21]	1 3/4 [44]	170

\*\* When trolley is set for minimum beam flange width.

## 28 Outdoor Service Protection

The hoist control enclosure meets NEMA 3R type protection. NEMA 4 type is available as an option. The use of the hoist rain cover is recommended for all outdoor applications. The trolley rain cover is required for all outdoor applications; additional sealing is automatically added to the trolley panel. Other outdoor protection features are available and can be added as options.

Basic options for outdoor use

- Polymer or metallic hoist body cover. (Recommended)
- Trolley motor / control metallic cover. (Required)

Optional outdoor protection features based on specific environment/application conditions (cold weather, wind blown rain, splashing water, etc.)

- Heater and tropical protection for motors
- Pendant and enclosure heaters
- NEMA 4 type enclosure
- Power supply plug with a 4-conductor cable. (Plugs for pendant and TMU are standard) All of these plugs are mounted on hoist control enclosure. – Required with NEMA 4 type enclosure
- Stainless steel load chain
- Low voltage control (48v)

Motor tropical protection helps prevent moisture penetrating the motor windings. The heater helps keep condensation from occurring.

If the chain hoist is stored outdoors when not in use, the unit should also be protected under a structural cover.

NEMA 3R – Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, and external ice formation.

NEMA 4 – Enclosures are intended indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, and hose-directed water.



## 29 DigiChain

### 29.1 Technical Data

- |   |   |
|---|---|
| <input type="checkbox"/> Load capacity range:       | 1/8 ton [125 kg] to ½ ton [500 kg]                      |
| <input type="checkbox"/> Lift:                      | 15 ft. [4.5m] maximum                                   |
| <input type="checkbox"/> Pushbutton:                | Hoist motion only                                       |
| <input type="checkbox"/> Hoist speed:               | Single or two-speed                                     |
| <input type="checkbox"/> E-Stop button:             | Push-to-maintain, turn-to-release,<br>red mushroom head |
| <input type="checkbox"/> Control voltage:           | Same as hoist control voltage                           |
| <input type="checkbox"/> Side pull angle:           | 3 degrees maximum                                       |
| <input type="checkbox"/> Hoist:                     | LM1, LM05; single fall only                             |
| <input type="checkbox"/> Hook size:                 | 012 class T   |
| <input type="checkbox"/> Weight of unit:            | 7 lbs. [3.2 kg]   |
| <input type="checkbox"/> Protection rating of unit: | IP-55   |
| <input type="checkbox"/> Approvals:                 | CSA   |

The load hook is furnished with a safety latch.

## 30 Food Grade Service

A food grade lubricant is available for the hoist gears for all [LoadMate](#) hoists. The load block, hook, and load chain should also be stainless steel.

## 31 Tandem Control – QL Modular Crane

The option for two same capacity hoists per crane is available.

Tandem hoists operating from a [QL](#) Modular Crane includes:

- Additional festoon and festoon hardware for the second hoist
- Common pushbutton pendant (on sliding festoon rail) with a 3 position selector switch – Hoist 1, Both, or Hoist 2
- Tandem relays (mounted on the bridge panel)
- Bridge panel transformer with sufficient capacity to supply both hoists as well as the crane

The use of a 3-position selector switch will allow the operator to operate hoist 1 or hoist 2 independently, or to operate hoist 1 and hoist 2 together in tandem.