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<thead>
<tr>
<th>CAPACITY</th>
<th>SPAN</th>
<th>BRIDGE BEAM</th>
<th>END TRUCKS</th>
<th>HOIST</th>
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SUSCEPTIBLE TO CHANGE ON FINAL APPROVAL

TOOLING & UNITS
ALL UNITS IN INCHES
ALL DIMENSIONS ARE / - UNLESS OTHERWISE NOTED
REMOVE ALL BUMPS & HANG LOOPS

TRSG STANDARD CRANE

STANDARD CRANE DIMENSIONAL DRAWING
**Standard Top Running Single Girder Crane & Hoist Description:**

*Top Running Motorized Crane*
- Structural steel bridge girder sits on top of end trucks
- Detroit End Trucks, includes rubber bumpers
- Bridge Travel Speed is 2-step infinitely variable from 10 to 100 FPM with programmable acceleration and deceleration control
- Rigid track festoon for power and control to hoist-trolley
- Controls include NEMA 4/12 panel with lockable door operated power disconnect, 30 amp mainline contactor, Magnetek Gv-Mini variable speed control, 150VA transformer for 115 VAC control, and thermal protection
- Includes an 8-button pendant suspended from hoist for power on/off, hoist up/down, trolley left/right, and crane forward/reverse (2 speed)
- (4) P80-V3 Duct-O-Bar runway collectors mounted to adjustable height bracket
- Power 460 volts, 3 phase, 60 hertz
- Class C Service Duty
- All wiring enclosed in IMC conduit, Seal-tite used near motor connections
- Painted yellow with large capacity decals
- Crane fully assembled and electrically tested at AFE Crane fabrication facility in Cedar Falls, IA
- Includes engineering drawings and electrical schematics
- Includes printed and electronic manual

**AccoLift Electric Chain Hoist with Motorized Trolley**
- Lift - 20 feet standard lift
- Lift speed - Single speed
- Trolley speed - Single speed
- Limit switch - Upper limit switch
- Overload protection - Current sensing with alarm (Slop Cluth for CLH hoist)
- Mechanical load brake & motor brake (CLH hoist motor brake only)
- Power - 460 volts, 3 phase, 60 hertz
- Tagline Tow Arm - Included by AFE Crane
- 30 minute duty motors with thermal protection
- NEMA 12 enclosures
- Trolley drop down lugs & rubber bumpers
- Polypropylene chain container

**Standard Options:**

*Dual Speed Hoist & Trolley.*
- Hoist lift speed variable frequency drive.
- Trolley speed variable frequency drive.

*Radio Controls.*
- Magnetek Flex-60X Radio System includes one 120 VAC receiver with two transmitters with six 2-speed pushbuttons (3 motion, 2 speed with E-Stop, On/Off and Start). Combo kit for one transmitter includes a rubber boot, padded case and retractable belt clip included.

*Walk Away Pendant.*
- Rigid track festoon for independent festooned pendant.

*Cope Bridge.*
- Cope bridge girder at end truck connection for improved crane headroom.

*End of Travel Trolley Limit Switches.*
- (2) limit switches will be mounted to the hoist trolley for slow down & stop for end stop approach on hoist trolley travel. Signal lights will be installed on the motorized bridge crane to indicate when the slow down & stop system is activated.

*End of Runway Crane Slow Down and Stop.*
- (2) photo sensors will be mounted to the bridge crane for slow down & stop for end of runway approach on bridge travel. Signal lights will be installed on the motorized bridge crane to indicate when the slow down & stop system is activated.

*Cranes to Crane Anti-Collision.*
- Magnetek LaserGuard Mini Collision Avoidance System will be added to the motorized crane to detect obstructions or opposing cranes sharing the same runway. The sensor will only allow the motorized crane to approach the obstruction at a reduced speed when approximately 15’ and will stop the motorized crane travel if within approximately 3’ of the obstruction. The approach distance can be easily programmed in the field. Signal lights will be installed on the motorized crane control panel to indicate when the collision avoidance system is activated. Includes a bracket and reflector to be field mounted to the obstruction or opposing crane.

**Customization Available Upon Requests, including:**
- Spans up to 140 Ft
- Capacities up to 50 Ton
- Alternative brands of Electric or Pneumatic Chain Hoist
- Wire Rope Hoist
- Patented Track
- Box Girder & Truss Cranes
- Process Cranes
- Hot Metal Cranes
- Automatic Controls & PLC Programming
- A, B, Both Hoist & Crane Configurations
- Twin Hook Hoists
- Food Grade
- Explosion Proof
- Outdoor & Corrosive Environments