

4K Mobilstack

4,000 LB. High Density Stacker Crane System Specification

Capacity:	2 tons (4000 lbs.)
Span:	Standard up to 28' - 0"; over 28' - 0" consult factory
Hoist Type:	Electric Chain (HMI Class H3 rated)
Chain Bucket:	Included by ACECO
Hoisting Speed:	23/8 FPM 2 speed
Trolley Speed:	6 - 25 FPM 2 speed (manually reprogrammable)
Mast Rotate:	2 RPM Max. single speed variable (manually reprogrammable)
Bridge Speed:	7.5 - 75 FPM 2 speed (manually reprogrammable)
Hoist Brakes:	AC Disc type plus Weston mechanical load brake
Fail Safe Brake:	Dual mounted on fork assembly prevents drop of load should hoist or hoist chain fail
Bridge Brakes:	DC Disc type
Hoist Motor:	4/1.3 HP, Sq. Cage, TEFC, 30 min., Class B insulation
Bridge Motor:	(2) 1/3 HP, Sq. Cage, TEFC, Continuous, Class B insulation
Trolley Motor:	1/3 HP, Sq. Cage, TEFC, Continuous, Class B insulation
Rotate Motor:	1/8 HP, Sq. Cage, TEFC, Continuous, Class B insulation
Rack Height:	Standard up to 16' - 0"; over 16' - 0" consult factory
Fork Length:	30", 36", 42" and 48"; over 48" consult factory
Thermal Overload Protection:	Included by ACECO
Motor Circuit Fuses:	Included by ACECO
Power Supply:	460-3-60 AC (others available)
Control Circuit:	110 V.A.C. Fused
Hoist & Rotate Control Type:	Full magnetic in NEMA 12 enclosure
Bridge, Trolley & Rotate Control Type:	Variable adjustable frequency inverter
Bridge Travel Limits:	Prevents over travel of bridge motion
Limit Switch Trippers:	Included
Bridge Bumpers:	Energy absorbing rubber mounted to runway rails
Operator Stations:	Fixed 10 button station
Trolley Conductors:	Track type included
Bearing Life:	5000 Hrs. L-10 min. (CMAA Class "C" Duty)
Paint:	1 coat of rust inhibiting primer 1 coat of yellow industrial machinery enamel
Runway Rails:	30# ASCE type at specified length
Runway Collector Shoe:	Included by ACECO
Runway Electrification:	4-bar conductor system
Installation, Operation & Maintenance Manuals:	Three (3) included
Functional Test:	Included (prior to shipment)
Bridge Construction:	Top Running Double Girder with wide flange beams, welded construction. Rolled structural end trucks with guide rollers.
Bridge Wheels:	Upper wheels are 9" diameter with roller bearings and pressure grease fittings. Wheels provide minimal friction and maximum load stability. The lower wheel treads are fabricated from a high strength polymer to provide maximum durability
Rail Sweep:	Mounted on the front of each wheel
Trolley Construction:	Steel plate with four integral flanges to assure accurate turntable integration

Corporate Headquarters

531 Old Swede Road, Douglassville, PA 19518 USA
Toll Free 1-877-877-6778 | Tel: 610-385-6061 | Fax: 610-385-3191

Service, Parts & Standard Cranes

1440 Ben Franklin Hwy, Douglassville, PA 19518 USA
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Trolley Wheels:	5" diameter with ball bearings
Trolley Guides:	1 1/4" diameter guide rollers to prevent trolley kick-up during lifting operations
Mast Construction:	Welded 6" channels, separated with ladder cross members. Each channel contains a steel guide bar welded inside to accommodate fork travel
Turntable:	360 degree high capacity rotary bearing
Fork Rollers:	(4) 2" diameter crowned cam roller with pressure grease fittings, designed to ride on inboard high strength steel guide bars to distribute the load of the fork frame.
Mast Stabilizer	(4) 3/4 " cam rollers to provide lateral stability of fork frame
Protective Canopy	Enclosed steel angle frame with 45-degree corners bolted to mast.
Operator View Port	16" x 14 1/2" Plexiglas viewing area for un obstructed visibility.
Lights:	(2) 150 Watt reflector flood lamps controlled by power on/off switch; 115 volt light circuit.
Chain Load Stability:	5 pocket load sheave to insure that the chain does not slip
Hoist Brake:	Motor mounted multiple disc type holding brake, mechanical load brake, plus regenerative control braking
Load Chain:	High strength, Grade 80, electroplated with zinc
Hoist Gearbox:	Hardened, precision alloy steel helical gearing
Travel Drive Gear Cases:	Totally enclosed units with helical gears operating in oil bath. Gear material fabricated from SAE 8620 drop forgings, with a finished up to and including AGMA Class 12. All gears are heat treated to 58-60 Rc.
Electrical Panel:	Custom designed and engineered in accordance with all applicable codes including CMAA, OSHA, and NEC. Panel and interconnection wiring shall be type XHHW. Wiring size shall be #14 AWG minimum for power and #16 AWG for control. Wiring in the panel is labeled to match the custom engineered/job specific wiring diagram, utilizing computer generated "Brady" style markers.

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