American Crane’s 2 TON STACKER Crane System improves productivity using only a single operator.

Features

- User friendly with four (4) motion motorized movement
- Aisle space requirements narrower than required by conventional forklift
- Precise spotting due to maximum stability at high positions and minimum sway at any elevation
- Mast mounted flood light for floor illumination
- On-board operators safety cage
- Compatible with numerous forks, carriages and lifting attachments
- Designed to run directly on top of racking eliminating additional support structures
- An optimum 4,000 lbs. load capacity, typical of most factory loads
- Trolley wheels ride within the bridge beams, prohibiting derailment
- Heavy duty welded mast construction to provide maximum strength and minimum deflection with 360° continuous mast rotation
- 4-Bar Insulated Conductor System provides continuous trouble free power supply
- User friendly pushbutton operator controls including key locked on/off
- Variable speed solid state controls provide smooth precise positioning
- Safety features include two (2) hoist brakes, hoist free fall catching mechanism, hoist overweight limit and operator’s foot controlled “dead-man” safety switch
- CMAA, NEC & OSHA Compliant
MECHANICAL DATA

CAPACITY: 2 Tons (4,000 lbs.) (Standard)
SPAN: Standard up to 28’ – 0”; over 28’ – 0” consult factory
HOIST TYPE: Electric Chain (HMI Class H3 rated)
HOISTING SPEED: 238 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
BRIDGE BRAKES: DC Disc type
HOIST MOTOR: 4/1.3 HP, Sq. Cage, TENV, 30 min., Class B insulation
BRIDGE MOTOR: (2) ½ HP, Sq. Cage, TECF, Continuous, Class B insulation
TROLLEY MOTOR: ½ HP, Sq. Cage, TECF, Continuous, Class B insulation
ROTATE MOTOR: ½ HP, Sq. Cage, TECF, Continuous, Class B insulation
RACK HEIGHT: Standard up to 16’ – 0”; over 16’ – 0” consult factory
ORK LENGTH: 30”, 36”, 42” and 48”; over 48” consult factory

ELECTRICAL DATA

MOTOR CIRCUIT FUSES: Included
THERMAL OVERLOAD PROTECTION: Included
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
OPERATOR STATIONS: Track type included
RUNWAY COLLECTOR SHOE: Included
RUNWAY ELECTRIFICATION: 4-bar conductor system

CONSTRUCTION FEATURES

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 (4) integral flanges to assure accurate turntable integration.
TROLLEY WHEELS: 5” diameter with ball bearings.
BEARING LIFE: 5,000 Hrs. L-10 min. (CMAA Class “C” Duty)
TROLLEY GUIDES: 1¼” 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˚ high capacity rotary bearing.
ORK 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: Enclosed steel angle frame with 45˚ corners bolted to mast.
PROTECTIVE CANOPY: 16” x 14½” Plexiglass viewing area for unobstructed visibility.
OPERATOR VIEW PORT 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 heat treated to 58-60 Rc.