



SHAW-BOX® SERIES 2000 TOP-RUNNING TROLLEY

The Shaw-Box Series 2000 is an economical, low maintenance CMAA Class “D” service trolley loaded with features that others charge extra for. If your application requires faster hoisting speeds, true vertical lift and a rugged, feature-filled trolley built for long service and minimum maintenance, *the Series 2000 is the trolley for you.*

The *Shaw-Box Series 2000* is loaded with the following standard features:

- CMAA Class “D” service
- Built-up construction
- True vertical lift
- NEMA 12 control enclosure
- Block-operated upper limit switch
- Welded, one-piece frame machined after welding
- Low headroom design
- Flux Vector Hoist Control
- Continuous-rated TEBC hoist motor
- Class F hoist motor insulation
- 2 - 5 speed hoist control or variable speed
- Over-capacity lift protection
- Electric load control braking
- Precise load positioning
- AGMA 11 - 12 hoist gearing
- Variable frequency trolley control
- 30-minute rated TEFC trolley motor
- Class F trolley motor insulation
- 2 - 5 speed trolley control or variable speed
- Ramped acceleration / deceleration
- Reduced load swing
- DC disc trolley brake
- AGMA 11 - 12 trolley gearing

SERIES 2000 STANDARD FEATURES



SHAW-BOX

Low Headroom Design

Hoist Drive Train



Precision-machined helical hoist gearing, case-hardened and ground to meet AGMA 11 - 12 ratings, is oil-bath lubricated operating in an oil-tight high quality cast iron gear case. Hoist motor is TEBC (Totally Enclosed Blower Cooled), continuous rated, Class F insulation with Class B temperature rise and provided with a 150% torque motor-mounted DC disc brake coil.

Trolley Frame



The one-piece, fully welded, all steel frame is designed to transmit the load to the wheels with minimum deflection. Frame is machined after welding to ensure precise mounting of the hoist and trolley components.

Rope Drum



Large diameter steel rope drum is deep-groove machined to accommodate the hoisting ropes in a single layer with at least two wraps remaining with the hook in its lowest position.

Trolley Wheels



Double flanged wheels are precision machined from 4140 - alloy steel and hardened to 240 BHN for better tracking and longer life. Wheels are mounted in pairs on rotating axles, supported on spherical roller bearings.

Lower Block



A fabricated steel frame enclosing and supporting sheaves running on lifetime lubricated, anti-friction bearings with a single, one-piece, forged hook. The hook is mounted on a shielded, grease-packed anti-friction thrust bearing resting on a fixed crosshead. Sheaves are machined high-strength steel and equipped with slacked rope retainers.

Traverse Drive Train



The helical, hollow-shaft gear reducer-motor-brake mounted on the drive axle extension, drives two wheels. The totally enclosed, oil-bath lubricated gearing meets AGMA 11 - 12 ratings, ensuring long life and quiet operation. Motor is TEFC (Totally Enclosed Fan Cooled) with Class F insulation with Class B temperature rise, variable frequency control and a 100% torque rated DC disc brake coil as standard.

Block Operated Limit Switch



A lower block actuated upper control circuit limit switch is standard, meeting the requirements of A.S.M.E. B30.16.

Controls



The standard Flux Vector hoist control and variable frequency trolley control provide more precise load spotting, cushioned starting / stopping and longer motor and drive life than conventional contactor control. All controls are contained in a NEMA 12 panel, sized for ease of maintenance and to meet the airflow requirements of the components.

For additional information, contact your Lift-Tech representative or Lift-Tech headquarters direct.

LIFTTECH



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WARNING

To Avoid Injury:

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people.
- Read and follow all instructions.