CABLE DRUM ELEVATOR SPECIFICATIONS

CAPACITY & CAR SIZE:
- 500 lbs max: Max. Car size 12 ft sq or 15 ft sq where allowed.
- Min. Car size 24” W x 24” D (D is measurement out from rail)
- Max. D dimension is 44”; Max. W dimension is 54”
- 1000 lbs max: Max. Car size 15 ft sq or 18 ft sq where allowed.
- Min. Car size 28” W x 28” D (D is measurement out from rail)
- Max. D dimension is 44”; Max. W dimension is 64”

SPEED, TRAVEL, & LANDINGS:
- Max. 40 fpm, Max. Car travel 50 ft., Max. 6 Landings (12” min. between landings).

MINIMUM OVERHEAD:
- 8 ft. for a standard 80” Car. Other car heights are available (additional headroom required).

POWER & WIRING:
- 208-240 VAC, 60HZ, 1Φ, 15A Nominal, 10AWG wire recommended, 20A or 30A breaker. (Elevator system power, voltages below 220VAC may require boost transformer – supplied by others.)
- 120VAC 60 Hz, 1Φ, 6A Nominal, 15A breaker (Car Lights & accs)

CONTROL SYSTEM WIRING:
- Plug in wiring package ... connector terminated cables.

ENVIRONMENTAL REQUIREMENTS
- 40°F to 120°F (4°C to 49°C) not intended for outdoor exposure and/or outdoor environment.

MOTOR:
- 3 HP 3 Phase motor powered by Variable Frequency Drive (VFD).

DRIVE:
- 500 lb: 60:1 Gearbox, with Bronze gear and Steel worm
- 1000 lb: 100:1 Gearbox, with Bronze gear and Steel worm

BRAKE:
- Mechanically applied, electrically released brake.

GUIDE RAIL:
- Single Steel Guide Rail – C Channel

SUSPENSION MEANS:
- 500 lb: 2 pcs 1/4” 8 x 19 IWRC wire rope.
- 1000 lb: 2 pcs 3/8” 8 x 19 IWRC wire rope.

PLATFORM:
- Steel Car Frame supported plywood with hardwood veneer or laminated floor standard.

CAR ENCLOSURES:
- Solid wood panels, hardwood veneer panels, MDF or acrylic panels with aluminum frame. Handrails are available.

CAR DOORS & GATES:
- 1 or 2 openings, collapsible gates or accordion gates.

PIT DEPTH:
- 500lb: 6” minimum (12” min. with buffer spring)
- 1000lb: 10” minimum (13” min. with buffer spring)

CONTROLS & SWITCHES:
- Floor Buttons, Key Switch, Position Indicator, and Alarm Button in car. Hall Station Button and Position Indicator at each floor.

SAFETY DEVICES:
- Dual type “A” instantaneous safeties, Upper & lower final limits, Slack Rope switch, Pit Switch, Automatic Cab Light, Door/Gate contacts on car, Light Curtain contacts on car, Shaft doors electrically and mechanically interlocked.

EMERGENCY FEATURES:

WARRANTY:
- Limited 2 Year Parts Warranty.