US6002-2R  Dual Car Personnel/Material Hoist

METRO ELEVATOR's CHAMPION elevators meet industry codes (ANSI and OSHA) and can be certified to industry standards such as ABS, DNV, and USCG.

1-800-464-7870
3110 N. Ritter Ave. Indianapolis, IN. 46218
www.metroelevator.com

METRO ELEVATOR
US6002-2R Dual Car Personnel/Material Hoist

Maximum passengers: 30
Elevator drive: Rack and pinion
Capacity: 6,000 lbs (2722 kg) per car
Car Weight: 6,600 lbs (2944 kg) per car
Total base weight: 28,910 lbs. (13,113 kg.)
Base disconnect: Circuit Breaker in NEMA 4 Enclosure
Electrical outlet: 120 vac in Car
Weight of tower: 485 lbs (220 kg)
Wall ties: Adjustable strut
Landing gates: Swinging gates
Maximum car speed: 300 ft/min (91.44 m/min)
Interior dimensions: 12'-4"W x 8'-7"H x (3.8 m x 2.6 m)
Maximum tower height: 900' (274.32 m)
Dimensions of tower: 66" W x 28" L x 59.4" H (1.7 m x 0.7 m x 1.5 m)
Tie-in intervals (maximum): 30' (9.14 m)
Electrical Power: 35 HP (26 kW)
Power Required: 37.5 KVA, 480 VAC, 60 Hz, 3 Ø per car
Motor Control: Variable Frequency Drive (VFD)
Full load current: 37.5 Amps per car
Traveling Cable: Multi-Conductor Type W-Tower Height Plus 30Ft (9.14 m)
Brake: Spring set, Electrical Release Multiple Disc Brake
Safety overspeed governor: Centrifugally Actuated Multiple Friction Disc Brake
Emergency lowering: Manual Brake Release
Stopping distance accuracy: ±.6" (± 15.24 mm)
Brake torque: 175 ft-lbs. (102Nm)
Weight of counterweight: 5400 lbs. (2450 kg.) per car
Counterweight wire ropes: (2) 5/8" (15.88 mm) 6x25 xIP-IWRC
Length of counterweight ropes: 2 x Tower Height Plus 30' (9.14 m)

STANDARD BASE UNIT
- Fully assembled enclosed car
- Overspeed governor
- Two manually operated vertically bi-parting car gates
- Control and limit switches
- 20' of tower for 0 lifting height
- Hot Dipped Galvanized Car & Tower
- Counterweight & cathead Assembly
- Variable Frequency Drive (VFD)
- Base fence enclosure
- Base disconnect box
- Buffer stand and springs
- Power cord guide trailing wheel assembly
- GFI Receptacle in cr
- Hand lever control
- Interior Car Lighting

OPTIONAL FEATURES
- Base platform and stairs
- Building landing gates
- Landing call station
- Automatic control system
- Emergency lighting systems
- Additional tower sections
- Wall Ties
- Auxiliary manual hand control provision for opposite hand installation
- Gin Pole with winch for tower erection
- Communication or signal system
- Alarm installation
- Pit light & switch
- Pit stop switch
- Car top light & switch
- Car top receptacle

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NOTE:
PLEASE CONTACT METRO ELEVATOR FOR ADDITIONAL SCALES THAT ARE NOT SHOWN HERE.
COPY THIS SHEET TO A TRANSPARENCY FILM, USE IT FOR LOCATING THE HOIST ON AN EXISTING PAPER PLAN LAYOUT OF THE BUILDING STRUCTURE.

OVERLAY TEMPLATE

SCALE: 3/32 = 1'-0"

SCALE: 1/8 = 1'-0"

SCALE: 3/16 = 1'-0"

SCALE: 1/4 = 1'-0"