

H & H Specialties Inc.

2210 North Merced Avenue

P.O. Box 9327

South El Monte, CA 91733

(213) 283-3562

(800) 221-9995

Fax (818) 575-3004

CURTAIN MACHINES

H & H Specialties Inc. manufactures a variety of electric curtain machines for stage, studio, and commercial use. Most machines are available in a variety of horsepower ratings to accommodate various job requirements. The following is a partial listing of the styles available. Additional information can be found in our complete catalog.

TECHNICAL DATA

MODEL No. 454 Draw Curtain Machine

For opening and closing traveling curtains. Unit equipped with spiral grooved drum, cable tension device, limit switch, and magnetic reversing starter for multiple station control.

Horsepower: 1/3, 1/2, 3/4

Power: 115 Volts, 1 Phase, 60 Hz

Cable Speed: 86 FPM

Maximum Travel: 45 Feet

Approximate Dimensions:

L = 18-1/4"

W = 14-5/8"

H = 23"

Approximate Weight: 145 lb.

MODEL No. 455 Lift Curtain Machine

For use with contour, Austrian, and projection screen masking curtains. Equipped with drive sprocket, heavy-duty spring base, limit switch, and magnetic reversing starter for multiple station control.

Horsepower: 1/3, 1/2, 3/4

(larger HP ratings available on request)

Power: 115 Volts, 1 Phase, 60 Hz

(Three phase motors also available)

Cable Speed: 57 FPM

Maximum Travel: 45 Feet

Lift Capacity:

1/3 HP = 95 lb.

1/2 HP = 135 lb.

3/4 HP = 210 lb.

Approximate Dimensions:

L = 24"

W = 13"

H = 20"

Approximate Weight: 120 lb.

MODEL No. 459 Draw Curtain Machine

For opening and closing traveling curtains when space is a consideration, or long curtain travel is required. Equipped with traction drive sheave, spring take-up assembly, track mounted limits, and magnetic reversing starter for multiple station control.

Horsepower: 1/3, 1/2, 3/4
(larger HP ratings available)
Power: 1/3, 1/2, 3/4 HP = 115 Volts, 1 Phase, 60 Hz
(Three phase motors also available)
1 HP = 230 Volts, 3 Phase, 60 Hz
Cable Speed: 62 FPM
Maximum Travel: Unlimited
(Consult factory if travel exceeds 60 feet)
Approximate Dimensions:
L = 26"
W = 17-1/2"
H = 25"
Approximate Weight: 155 lb.

MODEL No. 462 Draw Curtain Machine

For use when track mounted units are required for opening and closing traveling curtains. Equipped with traction drive sheave, spring take-up assembly, track mounted limits, and magnetic reversing starter for multiple station control.

Horsepower: 1/3, 1/2, 3/4
(larger HP ratings available)
Power: 1/3, 1/2, 3/4 HP = 115 Volts, 1 Phase, 60 Hertz
(Three phase motors also available)
1 HP = 230V, 3 Phase, 60 Hz
Cable Speed: 62 FPM
Maximum Travel: Unlimited
(Consult factory if travel exceeds 60 feet)
Approximate Dimensions:
L = 36"
W = 13"
H = 27"
Approximate Weight: 175 lb.

SPECIFICATIONS: (single phase units only)

Model No. 454

Automatic curtain machine shall be equipped with helically-grooved 10" aluminum drum mounted to output shaft of gear reducer, operating at a cable speed of 86 ft./min. Install cable tension device onto drum to maintain proper tension and guide operating line. Unit shall be driven by ___ HP (1/3, 1/2 or 3/4) instantly-reversing single phase capacitor motor connected to worm gear reducer with guarded V-belt drive and shall include built-in rotary limit switch assembly to automatically pre-set desired travel of curtain. Provide control cabinet containing

magnetic reversing starter, complete with overload protection and on/off switch, to enable machine to start, stop, and reverse at any point during travel. Cabinet-mounted and remote three push-button control switches shall operate with line voltage. Mount entire assembly to heavy steel base. Model No. 454-___ as manufactured by H & H Specialties Inc.

Model No. 455

Automatic curtain machine shall be equipped with roller chain sprocket mounted to output shaft of gear reducer, operating at a line speed of 45 ft./min. Unit shall be driven by ___HP (1/3, 1/2 or 3/4) instantly-reversing single phase capacitor motor directly coupled to worm gear reducer and shall include built-in rotary limit switch assembly to automatically pre-set desired travel of curtain. Provide control cabinet containing magnetic reversing starter, complete with overload protection and on/off switch, to enable machine to start, stop, and reverse at any point during travel. Cabinet-mounted and remote three push-button control switches shall operate with line voltage. Mount entire assembly to heavy duty spring base to keep proper tension on roller chain. Model No. 455-___ as manufactured by H & H Specialties Inc.

Model No. 459

Automatic curtain machine shall be equipped with double V-groove 6" diameter cast iron drive pulley mounted to output shaft of gear reducer, operating at a cable speed of 62 ft./min. Provide spring loaded, steel ball bearing pulley to maintain cable tension. Unit shall be driven by ___HP (1/3, 1/2 or 3/4) instantly-reversing single phase capacitor motor directly coupled to worm gear reducer. Supply two track mounted limit switch assemblies to automatically pre-set desired travel of curtain. Provide control cabinet containing magnetic reversing starter, complete with overload protection and on/off switch, to enable machine to start, stop, and reverse at any point during travel. Cabinet-mounted and remote three push-button control switches shall operate with line voltage. Mount entire assembly to heavy steel base. Model No. 459-___ as manufactured by H & H Specialties Inc.

Model No. 462

Automatic curtain machine shall be equipped with double V-groove 6" diameter cast iron drive pulley mounted to output shaft of gear reducer, operating at a cable speed of 62 ft./min. Provide spring loaded, steel ball bearing pulley to maintain cable tension. Unit shall be driven by ___HP (1/3, 1/2 or 3/4) instantly-reversing single phase capacitor motor directly coupled to worm gear reducer. Supply two track mounted limit switch assemblies to automatically pre-set desired travel of curtain. Provide control cabinet containing magnetic reversing starter, complete with overload protection and on/off switch, to enable machine to start, stop, and reverse at any point during travel. Cabinet-mounted and remote three push-button control switches shall operate with line voltage. Track mount entire assembly with heavy steel base. Model No. 462-___ as manufactured by H & H Specialties Inc.

Our products are stocked and sold by dealers throughout the United States, Canada, and many other countries. This network provides local sources for the supply, installation, and maintenance of stage drapery track systems. In addition, the factory's design and manufacturing capabilities are available to create custom modified equipment for special applications.

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