

# ABT Horizontal Trapdoor ElectriMask

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ABT-EM Horizontal ElectriScreen ElectriMask is designed to provide the flexibility of a multiple aspect ratio ElectriMask system with a roll-up screen



# ABT Horizontal Trapdoor Electrimask

## TRAP DOOR SYSTEMS

Stewart Filmscreen's trap door systems feature a motorized aluminum trap door which closes when screen is not in use. For flush mount installations, the system also features a builder-friendly hidden alignment ring around the box perimeter.

## SEAMLESS LARGE SCREENS

Like all Stewart Filmscreen products, the ABT-EM Horizontal ElectriScreen ElectriMasks are engineered with totally seamless screen materials (this includes masking borders). To prevent edge-curl and insure a flat image, Stewart utilizes our exclusive Tab-Guy Tensioning system.

## HIDDEN FROM VIEW

Stewart's motorized roller system provides a quiet, reliable screen operation. The screen retracts into an obscure trap door that mounts flush with the ceiling surface and can be painted to blend perfectly, efficiently hiding its existence.

## VIEW FLEXIBILITY

Stewart Filmscreen's ABT-EM Horizontal ElectriScreen ElectriMask is designed to provide the flexibility of a multiple aspect ratio ElectriMask system with a roll-up screen. Aspect ratios from standard NTSC 1.33:1 up to Cinemascope 2.35:1 can be achieved.

Dimensions represented in inches (") and millimeters (mm). Weights represented in pounds (lbs.) and kilograms (kg).

### 1.33:1 Aspect Ratio

| Model     | NTSC<br>4:3/1.33:1 Image         | Attainable<br>Screen Size | Case<br>Length | Screen<br>Weight   |
|-----------|----------------------------------|---------------------------|----------------|--------------------|
| ABTEMH084 | 50" x 67"<br>(1270mm) x (1702mm) | Table 1:Row 1             | 92<br>(2337)   | 100 lbs.<br>(45)   |
| ABTEMH090 | 54" x 72"<br>(1372mm) x (1829mm) | Table 1:Row 2             | 97<br>(2464)   | 110 lbs.<br>(49.9) |
| ABTEMH100 | 60" x 80"<br>(1524mm) x (2032mm) | Table 1:Row 3             | 105<br>(2667)  | 120 lbs.<br>(54.4) |
| ABTEMH110 | 66" x 88"<br>(1676mm) x (2235mm) | Table 1:Row 4             | 114<br>(2896)  | 135 lbs.<br>(61.2) |
| ABTEMH120 | 72" x 96"<br>(1829mm) x (2438mm) | Table 1:Row 5             | 122<br>(3099)  | 150 lbs.<br>(68)   |

Table 1: Attainable Aspect Ratios

| Row | Diagonal      | NTSC<br>4:3/1.33:1 Image   | Diagonal      | HDTV<br>16:9/1.78:1 Image    | Diagonal      | Widescreen<br>1.85:1 Image    | Diagonal      | Cinemascope<br>2.35:1 Image   |
|-----|---------------|----------------------------|---------------|------------------------------|---------------|-------------------------------|---------------|-------------------------------|
| 1   | 84<br>(2134)  | 50 x 67<br>(1270) x (1702) | 78<br>(1981)  | 37.75 x 67<br>(959) x (1702) | 76<br>(1930)  | 36.25 x 67<br>(921) x (1702)  | 73<br>(1854)  | 28.5 x 67<br>(724) x (1702)   |
| 2   | 90<br>(2286)  | 54 x 72<br>(1372) x (1829) | 83<br>(2108)  | 40.5 x 72<br>(1029) x (1829) | 82<br>(2083)  | 39 x 72<br>(991) x (1829)     | 78<br>(1981)  | 30.75 x 72<br>(781) x (1829)  |
| 3   | 100<br>(2540) | 60 x 80<br>(1524) x (2032) | 92<br>(2337)  | 45 x 80<br>(1143) x (2032)   | 91<br>(2311)  | 43.25 x 80<br>(1099) x (2032) | 87<br>(2210)  | 34 x 80<br>(864) x (2032)     |
| 4   | 110<br>(2794) | 66 x 88<br>(1676) x (2235) | 101<br>(2656) | 49.5 x 88<br>(1257) x (2235) | 100<br>(2540) | 47.5 x 88<br>(1207) x (2235)  | 96<br>(2438)  | 37.5 x 88<br>(953) x (2235)   |
| 5   | 120<br>(3048) | 72 x 96<br>(1829) x (2438) | 110<br>(2794) | 54 x 96<br>(1372) x (2438)   | 109<br>(2769) | 52 x 96<br>(1321) x (2438)    | 104<br>(2642) | 40.75 x 96<br>(1035) x (2438) |

## SPECIFICATIONS

|               |                    |
|---------------|--------------------|
| Case material | Aluminum extrusion |
| Case colors   | White              |
| Batten colors | Black, white       |

## STANDARD FEATURES

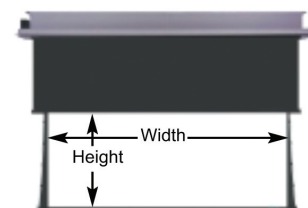
- Tab-Guy™ tensioning system
- Seamless screen materials
- Sonic insulated screen drive
- Screen motor:
  - 120 Volt = 38 rpm, 1 amp
  - 220 Volt = 32 rpm, 1 amp
- Horizontal masking:
  - 120 Volt = 14 rpm, 1 amp
  - 220 Volt = 12 rpm, 1 amp

## CONTROL SYSTEMS : SCREEN & MASKING

|                          |          |
|--------------------------|----------|
| Screen trigger interface | Included |
| Low voltage control      | Optional |
| High voltage wall switch | Optional |
| Wireless remote control  | Optional |
| Infrared remote control  | Optional |

## MOUNTING HARDWARE

|                     |          |
|---------------------|----------|
| Ceiling mount       | Included |
| Wall mount/brackets | Optional |



Size height and width depends on model chosen. Custom sizes available with no extra charge.

| Formats      | Min-Max Height | Min-Max Width |
|--------------|----------------|---------------|
| Video format | 50" - 72"      | 67" - 96"     |
| HDTV         | 37.75" - 54"   | 67" - 96"     |
| Widescreen   | 36.25" - 52"   | 67" - 96"     |