

# Stewart

Filmscreen Corporation®

*P i c t u r e P e r f e c t*



## Horizontal ABT Trap Door ElectriMask

### 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.

### Trap Door Systems

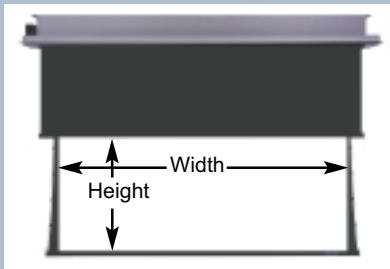
Stewart Filmscreen's trap door systems feature a motorized aluminum trap door which closes when screen is not in use. For flush mount installations, the system also features a builder-friendly hidden alignment ring around the box perimeter.

### 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.

# Horizontal ABT Trap Door ElectriMask Specifications

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



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"

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

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

Table 1: Attainable Aspect Ratios

Row	NTSC		HDTV		Widescreen		Cinemascope	
	Diagonal	4:3/1.33:1 Image	Diagonal	16:9/1.78:1 Image	Diagonal	1.85:1 Image	Diagonal	2.35:1 Image
1	84 (2134)	50 x 67 (1270) x (1702)	78 (1981)	37.75 x 67 (959) x (1702)	76 (1930)	36.25 x 67 (921) x (1702)	73 (1854)	28.5 x 67 (724) x (1702)
2	90 (2286)	54 x 72 (1372) x (1829)	83 (2108)	40.5 x 72 (1029) x (1829)	82 (2083)	39 x 72 (991) x (1829)	78 (1981)	30.75 x 72 (781) x (1829)
3	100 (2540)	60 x 80 (1524) x (2032)	92 (2337)	45 x 80 (1143) x (2032)	91 (2311)	43.25 x 80 (1099) x (2032)	87 (2210)	34 x 80 (864) x (2032)
4	110 (2794)	66 x 88 (1676) x (2235)	101 (2565)	49.5 x 88 (1257) x (2235)	100 (2540)	47.5 x 88 (1207) x (2235)	96 (2438)	37.5 x 88 (953) x (2235)
5	120 (3048)	72 x 96 (1829) x (2438)	110 (2794)	54 x 96 (1372) x (2438)	109 (2769)	52 x 96 (1321) x (2438)	104 (2642)	40.75 x 96 (1035) x (2438)

Standard Case: Height 9.25" (235mm) Depth 12.5" (318)

Sizes and specifications are subject to change at anytime.

## Specifications

Case Material	Aluminum Extrusion
Case Colors	White
Batten Colors	Black, White

## Screen Materials

Front Projection	Gain	Viewing Angle
GrayHawk	0.95	160°
Studiotek / Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

### Perforation (Front Projection)

THX Certified MicroPerf	Optional
CinePerf	Optional
Acoustically Transparent Masking	Optional

Rear Projection	Gain	Viewing Angle
Aeroview 100	1.0	180°
Filmscreen 100	1.0	100°-120°
Lumiflex 130	1.3	160°
Filmscreen 150	1.5	120°

## 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

For custom sizes and gains, please consult the Screen Assistant software or Stewart Sales desk.