

EDP58XL PERFORMANCE DATA and SPECIFICATIONS

Resolution

- Up to 1300 lines resolution
- Hi Resolution version has high definition F1.0 hybrid lens. (model 38-B02503-45)

Brightness

Maximum

- 500 lumens
- 300 foot lamberts on a 6' diagonal 10 gain screen total light output

Focused Data

- 235 lumens
 - 135 foot lamberts on a 6' diagonal 10 gain screen total light output
- *Measured on 20% raster (P53 phosphor)

Display

- P53 green easy-eye phosphor standard, P45 white phosphor on high resolution version
- Throw distance approx. 1.25 x screen diagonal size, 1.5 x screen width
- Continuously focusable from 4.5' (1.4 m) diagonal projected picture to 10' (3 m) diagonal
- Aspect ratio 4:3
- Keystone circuitry to correct picture for projection angles up to $\pm 10\%$ vertically from screen axis
- Pincushion corrected for less than 3% distortion from flat to curved screens

Operating and Service Controls

Front External

- Curved/flat screen lens focus adjustment

Rear External

- Single knob optical lens focussing
- Power on-off switch
- Brightness control
- Contrast control
- Video input 75 Ω termination switch
- AC power input
- Electrical focus

Rear Internal (accessible)

- Keystone correction
- Vertical size (height)
- Vertical hold
- Horizontal size (width)
- Horizontal hold
- Primary fuse (1.5A slow blow std.)
- Reversed Scan Switch for rear screen projection
- Auto lock/manual switch

Internal

- 120/220/240/VAC plug connection (120 VAC std.)
- Vertical Linearity adjust
- Dynamic Focus adjust (Horizontal)
- Dynamic Focus adjust (Vertical)
- Horizontal Video Centering adjust
- D.C. Restoration switch: 1. back porch clamp (STD) 2. sync tip clamp
- G2 bias supply adjust
- Flat/curved screen adjustment
- Vertical centering adjustment

Video Circuits

Input

- 2 BNC connectors (looped through)
- 75 $\Omega \pm 1\%$ terminated
- 25k ohm shunted by 12pf open
- input level 0.5 to 2.0 volts p-p sync negative
- differential (floating) input rejects 14 volts p-p of power line hum voltage

Frequency Response

- 20MHz bandwidth ± 3 dB

D.C. Restoration

- Back porch keyed clamp internally switchable to sync tip clamp

Gain

- Min. video gain 40dB or 100X.
- Max. video output 110V p-p drive

Deflection Circuits

Vertical Deflection

- Size: adjustable from 20% overscan to 10% underscan
- Frequency range: automatically locks from 45 Hz to 90 Hz
- Retrace time less than 0.5 milliseconds

Horizontal Deflection

- Size adjustable from 20% overscan to 10% underscan
- Frequency range automatically locks from 15 KHz to 33 KHz
- Retrace time: less than 6 micro-seconds

High Voltage

- 32.0 KV regulated to better than $\pm 1\%$

Power Requirements

- 120 VAC $\pm 10\%$ can be internally reconnected for 220 VAC $\pm 10\%$ or 240 VAC $\pm 10\%$
- Line Frequency 50 or 60 Hz nominal
- Power 120 watts max.

Mounting

- The EDP58XL can be ceiling mounted on its optional yoke or on a casted cart for portable applications or on a desk stand

Environment

Maximum Operating Range

- Temperature: 0° to 35°C
- Humidity: 0-90% non condensing
- Altitude: 0-10,000 feet (3,000 m)

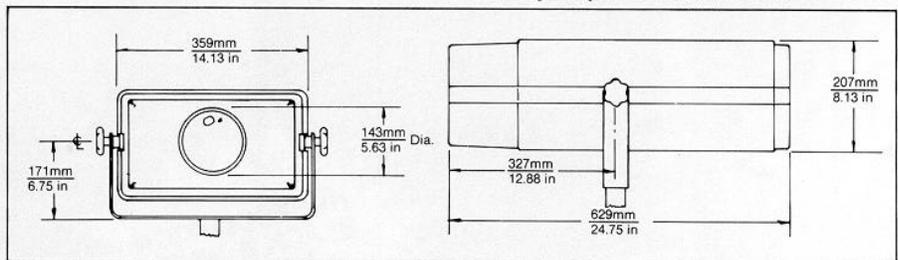
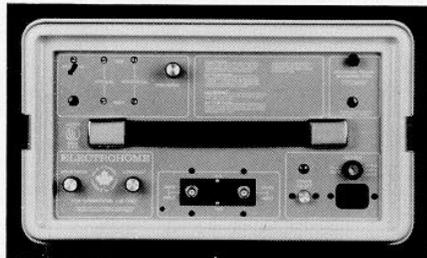
Storage

- Temperature: -30° to 65°
- Weight: 33 lb./15 kg.
- Shipping Weight 46.2 lb./21 kg.

Regulatory Approvals

- Model XX-B02503-XX 120V 60Hz
- FCC Class A, CSA C22.2 #1
- DHHS, HWC
- UL
- Includes 25' BNC to BNC cable

One year parts and labour WARRANTY



ELECTROHOME

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