

# TYPE J13 PROJECTOR

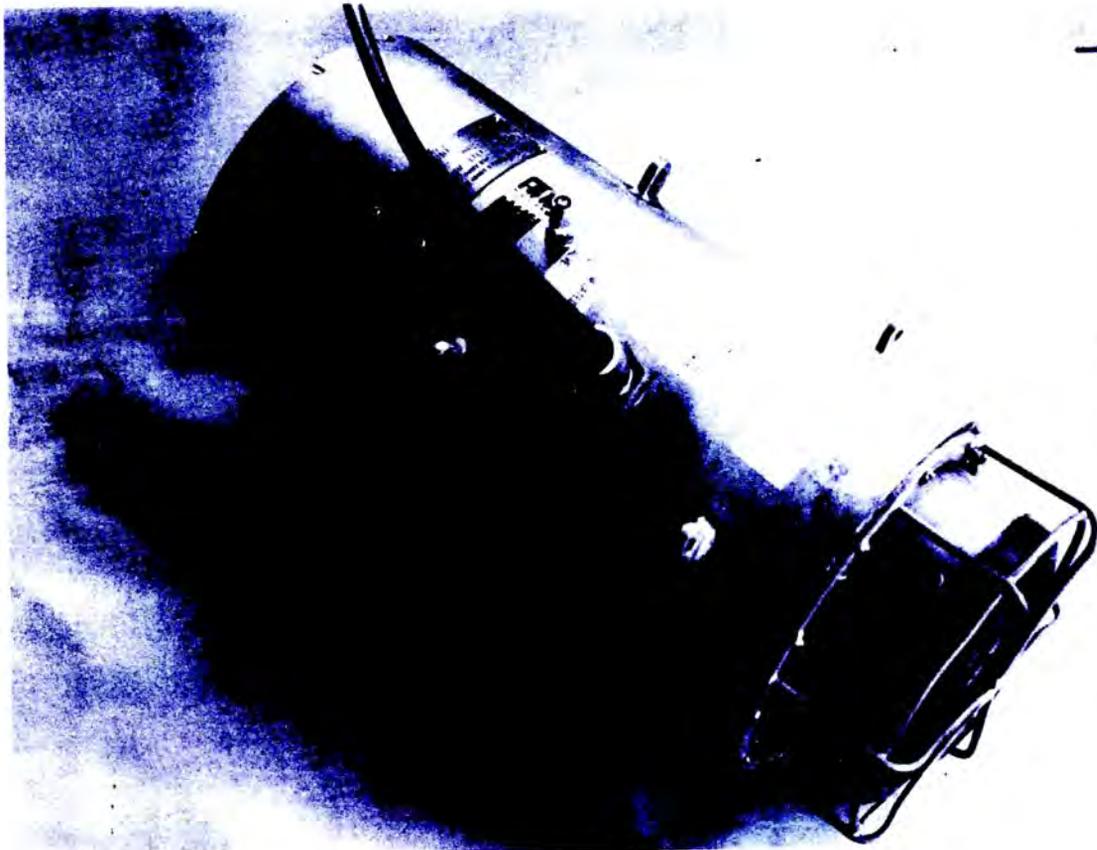


Fig. J13-1 - Type J13 projector.

**FUNCTION:** A transducer for the mid-audio, low-audio, and high infrasonic frequencies. Reversible but designed and used primarily as a projector.

**DESIGN:** Electrodynamic (or moving coil) with a passive compensation system for hydrostatic pressures.

**FREQUENCY RANGE:** 30 to 3,000 Hz

**TCR:** See Fig. J13-2

**MAXIMUM DEPTH:** 22 m

**TEMPERATURE RANGE:** 0 to 35°C

**MAXIMUM DRIVING SIGNAL:** Approximately 3 A but monitor acoustic output signal for distortion

**ELECTRICAL IMPEDANCE:** See Fig. J13-3

**DIRECTIVITY:** Approximately omnidirectional within 5 dB to 2.5 kHz

**WEIGHT:** 55 kg (121 lbs)

**SHIPPING WEIGHT:** 80 kg (175 lbs)

**CABLE CODE:**

white  
black  
shield

balanced signal output  
balanced signal output  
ground

**INSTRUCTIONS FOR THE USER:**

See Appendix D for preparation for use  
Support with mounting legs  
See Fig. J13-4 for acoustic center

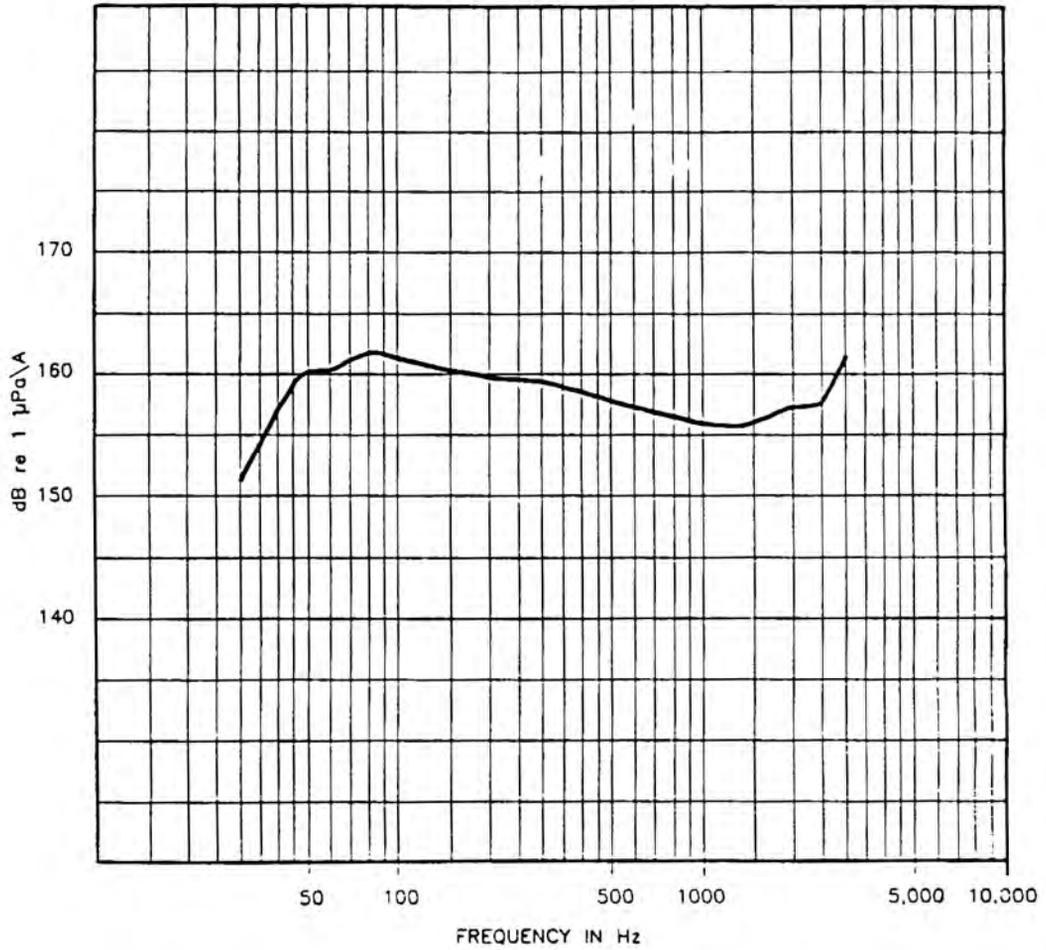


Fig. J13-2 - Typical TCR for Type J13 projector with 30-m cable.

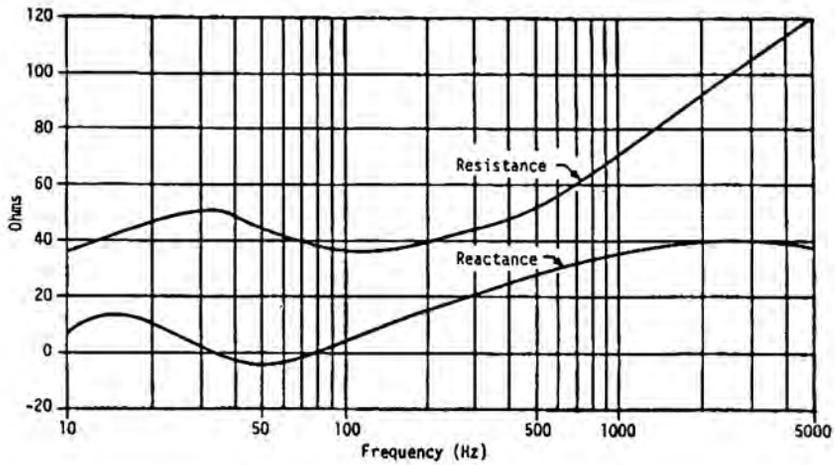


Fig. J13-3 - Typical impedance for Type J13 projector.

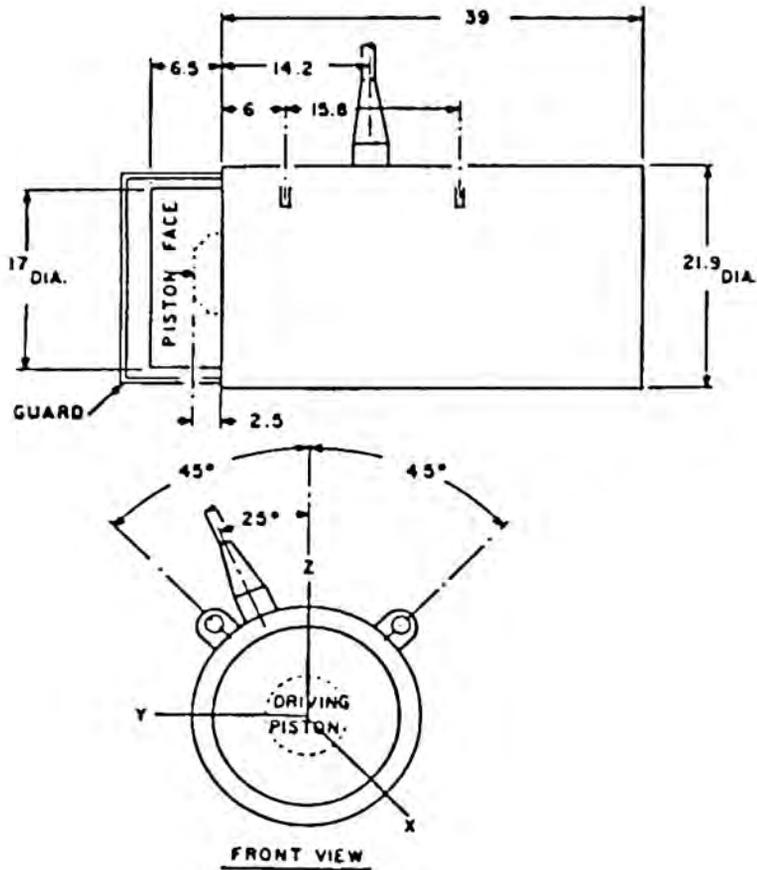


Fig. J13-4 - Dimensions (in cm) and orientation of Type J13 projector.