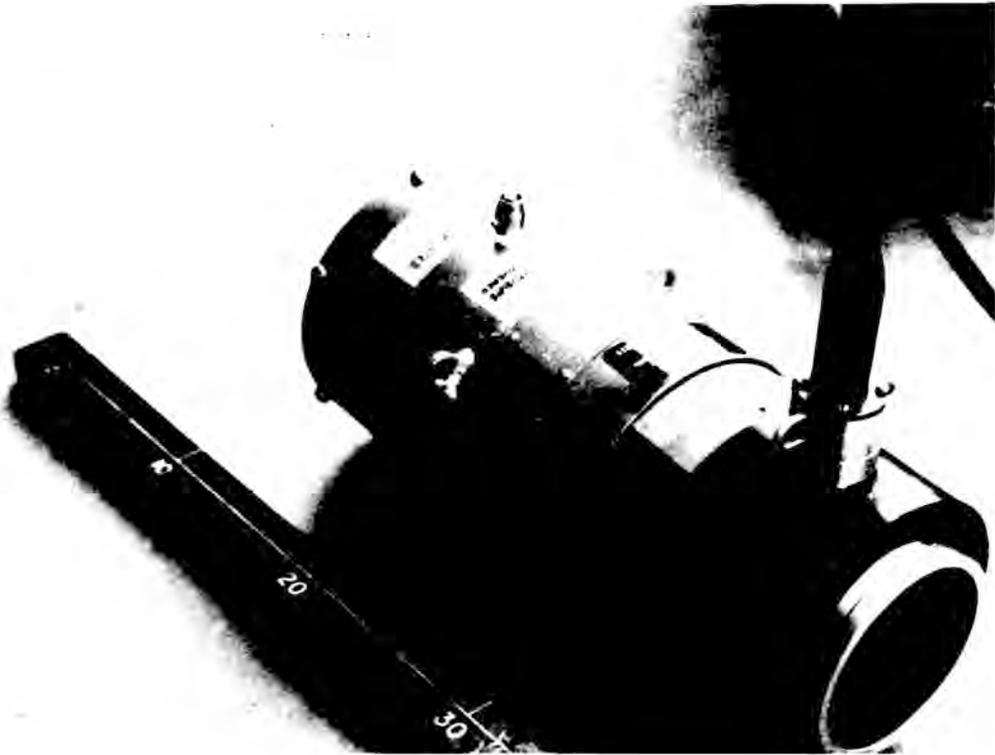


# TYPE J9 PROJECTOR



**FUNCTION:** A transducer for the audio frequency range. Reversible but designed and used primarily as a projector.

**DESIGN:** Electrodynamic (or moving coil), with a passive compensation system for hydrostatic pressure (see Ref. 12 for additional details).

**FREQUENCY RANGE:** 40 Hz to 20 kHz

**TVR:** See Fig. J9-2

**TCR:** See Fig. J9-2

**MAXIMUM DEPTH:** 24 m

**TEMPERATURE RANGE:** 0 to 35°C

**MAXIMUM DRIVING SIGNAL:** 1.25 A or 20 V >100 Hz. Monitor distortion <100 Hz

**ELECTRICAL IMPEDANCE:** See Fig. J9-3

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

**WEIGHT:** 9.0 kg (20 lbs)

**SHIPPING WEIGHT:** 18 kg (40 lbs)

**NORMAL CABLE LENGTH:** 30 m

**CABLE CODE:**

white	balanced signal output
black	balanced signal output
shield	ground

**INSTRUCTIONS FOR THE USER:**

See Appendix D for preparation for use

Support with mounting legs

See Fig. J9-4 for the acoustic center

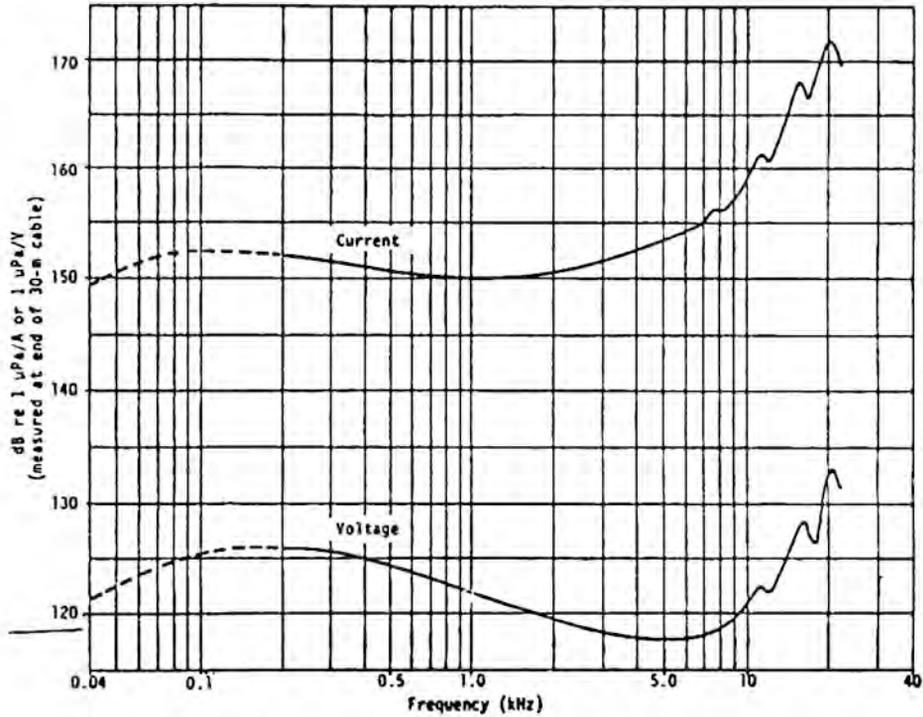


Fig. J9-2 - Typical TCR and TVR for Type J9 projector.  
Response below 0.2 kHz is a function of depth

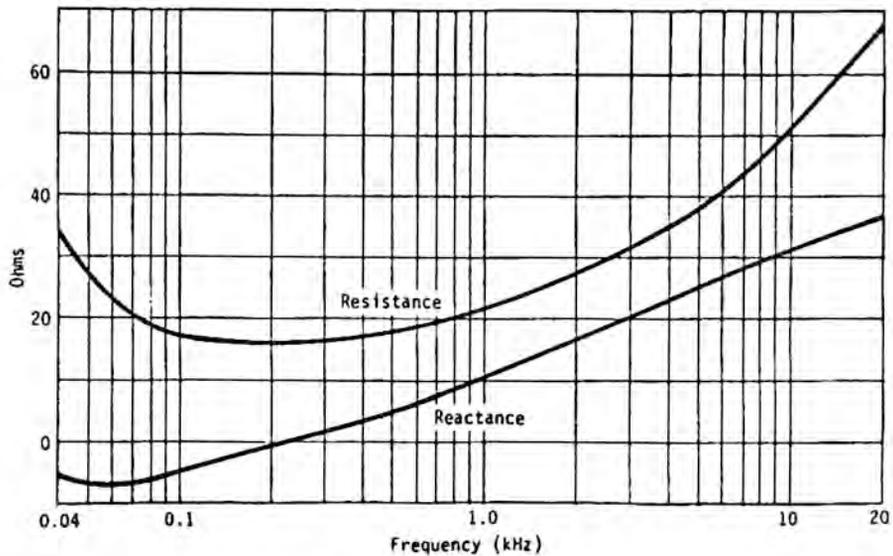


Fig. J9-3 - Typical equivalent series impedance for Type J9 projector.

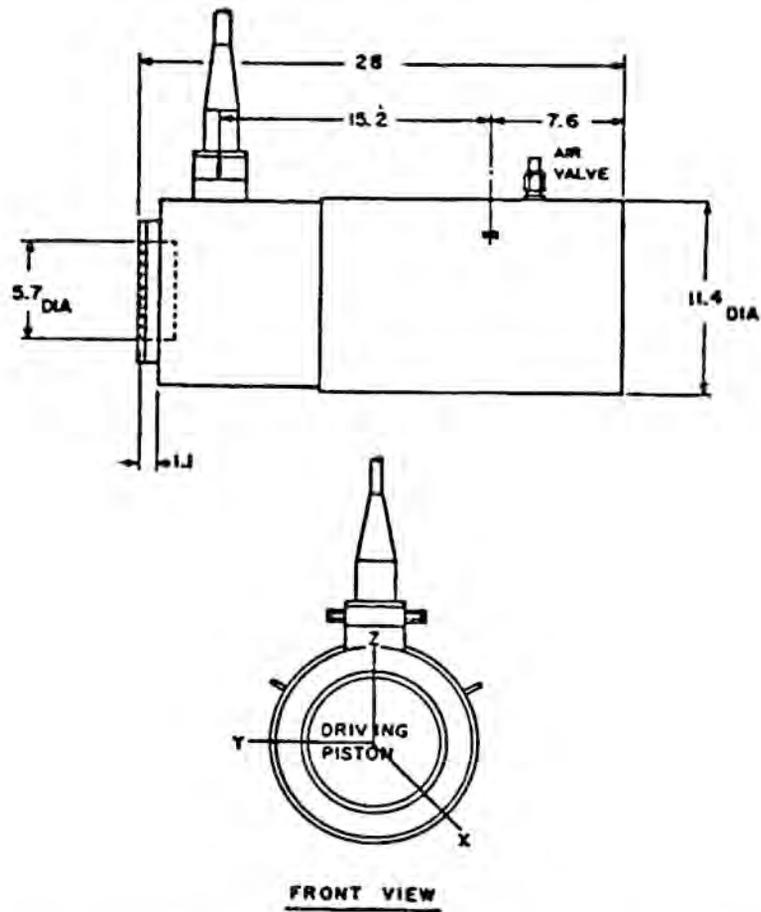


Fig. J9-4 - Dimensions (in cm) and orientation for Type J9 projector.