

TYPE G34 PROJECTOR

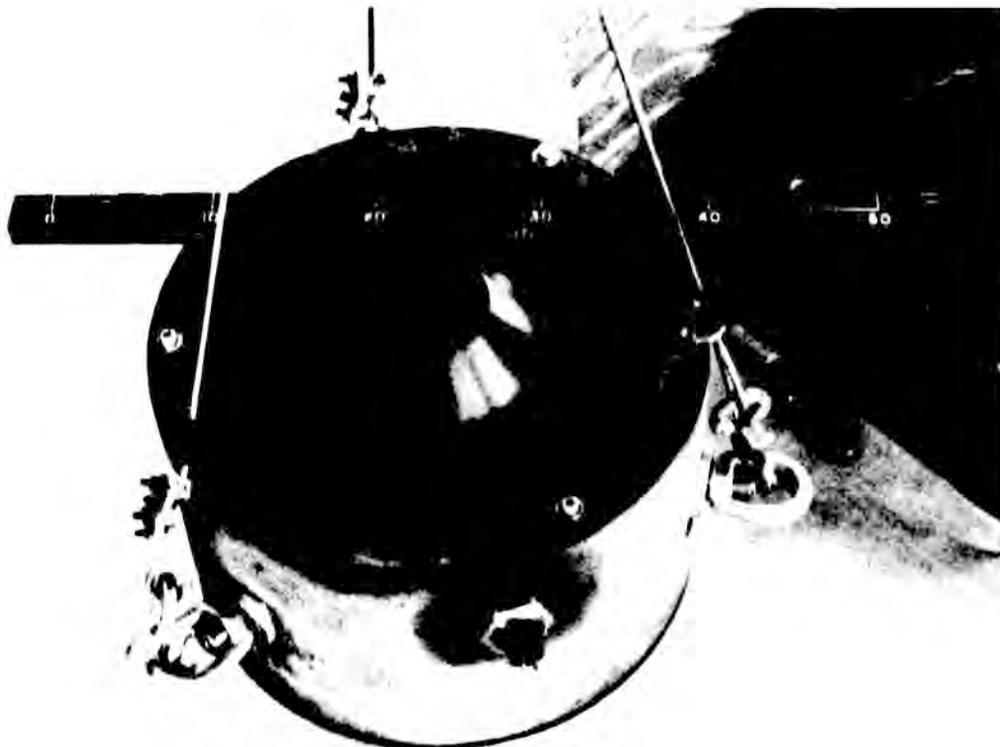


Fig. G34-1 - Type G34 projector

FUNCTION: A high-power projector for the mid-audio frequency range.

DESIGN: A multi-tonpiliz design with seven stacks of PZT disks collectively loaded on both ends with metal plates.

FREQUENCY RANGE: 200-5,000 Hz

TVR: See Fig. G34-2

MAXIMUM DEPTH: See instructions below

TEMPERATURE RANGE: 0 to 35°C

MAXIMUM DRIVING SIGNAL: 1,000 V

MAXIMUM SOURCE LEVEL: 60 dB (1000 V drive) above data presented in Fig. G34-2

ELECTRICAL IMPEDANCE: See Fig. G34-3

DIRECTIVITY: See Fig. G34-4 for patterns in the vertical (XY) plane
Patterns in the horizontal (XY) plane are similar

WEIGHT: Depends on housing material:

| | |
|---------------------|-----------------|
| Steel (S/Ns 1-5) | 41 kg (90 lbs) |
| Aluminum (S/Ns 6-9) | 26 kg (57 lbs) |
| Be-Cu (S/Ns >9) | 60 kg (132 lbs) |

SHIPPING WEIGHT: 90 kg (198 lbs)

NORMAL CABLE LENGTH: 30 m

CABLE CODE: white
black & shield

high signal
low signal and ground

INSTRUCTIONS FOR THE USER:

See Appendix D for preparation steps
Use lugs for rigging - *not* the eye bolts in the radiating plates!
Use center of cylinder for acoustic center (see Fig. G34-5)
Maximum depth depends on S/N:

| | |
|-----------------------------|--------|
| S/Ns 1-5 (steel housing) | 345 m |
| S/Ns 6-9 (aluminum housing) | 241 m |
| S/Ns >9 (Be-Cu housing) | 1379 m |

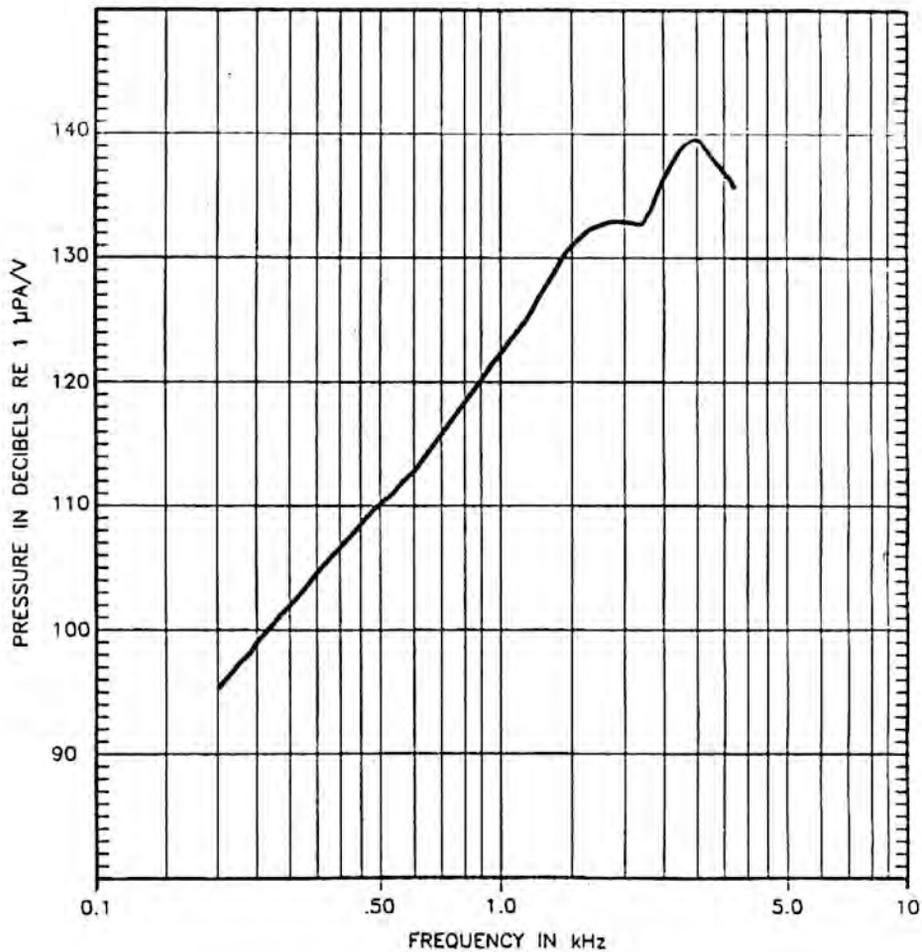


Fig. G34-2 - TVR for Type G34 projector.

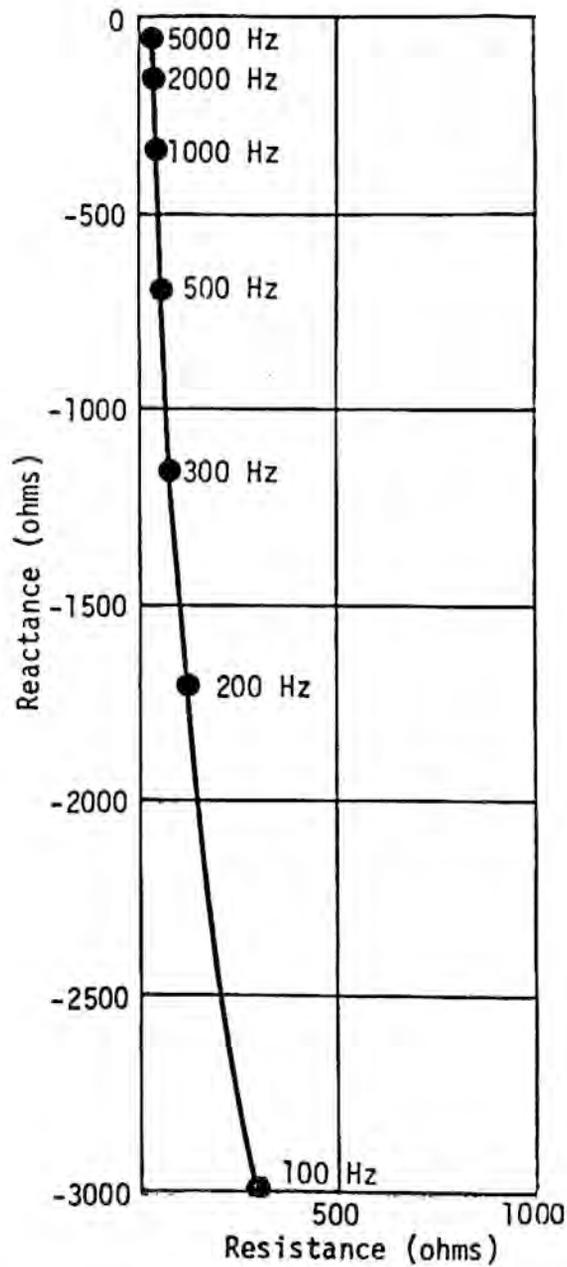


Fig. G34-3 - Typical impedance of Type G34 projector.

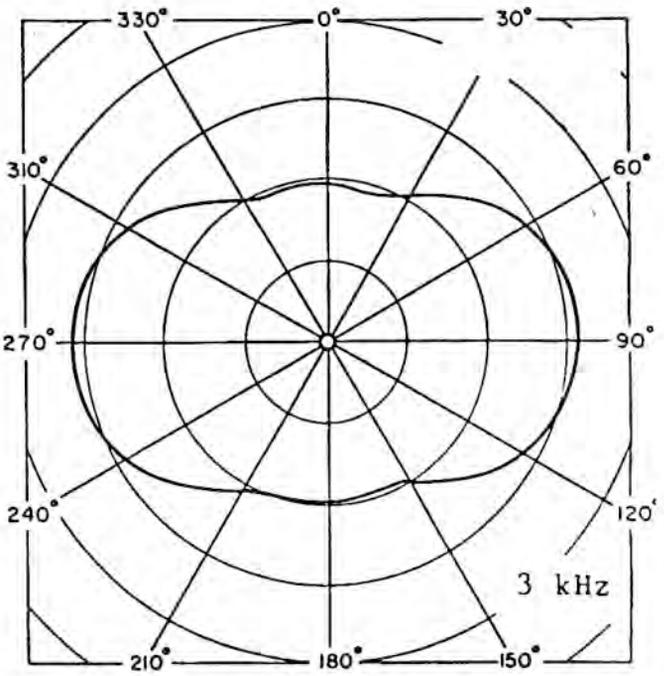
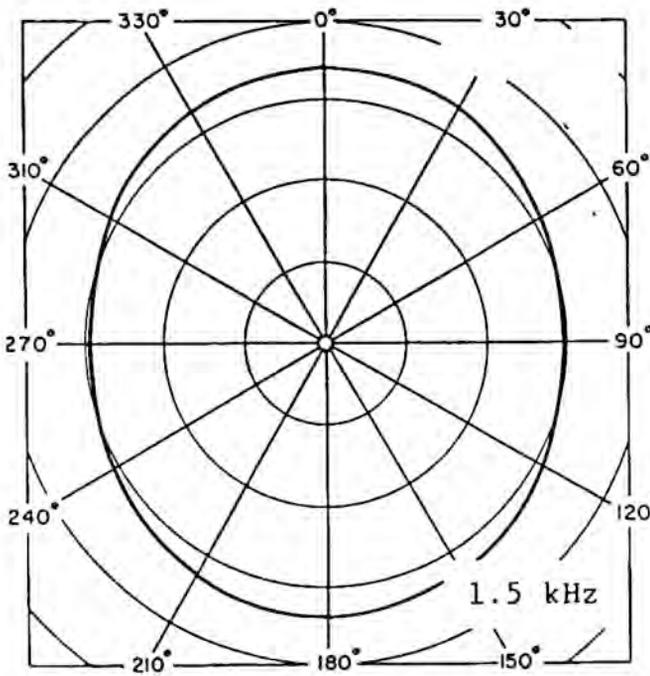
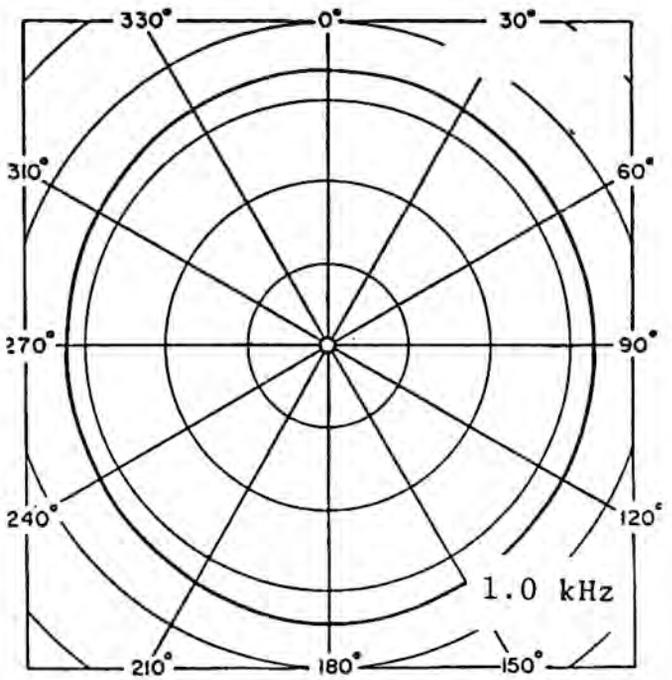
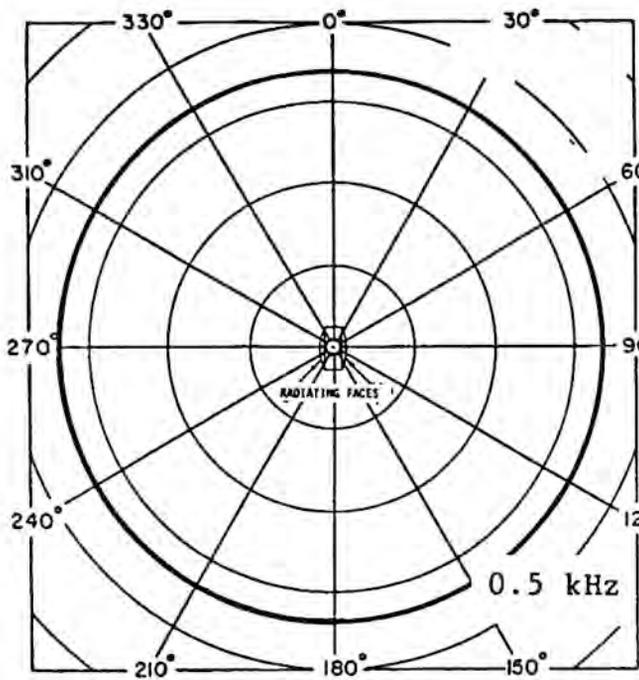


Fig. G34-4 - Typical patterns in the vertical (XZ) plane for the Type G34 projector.

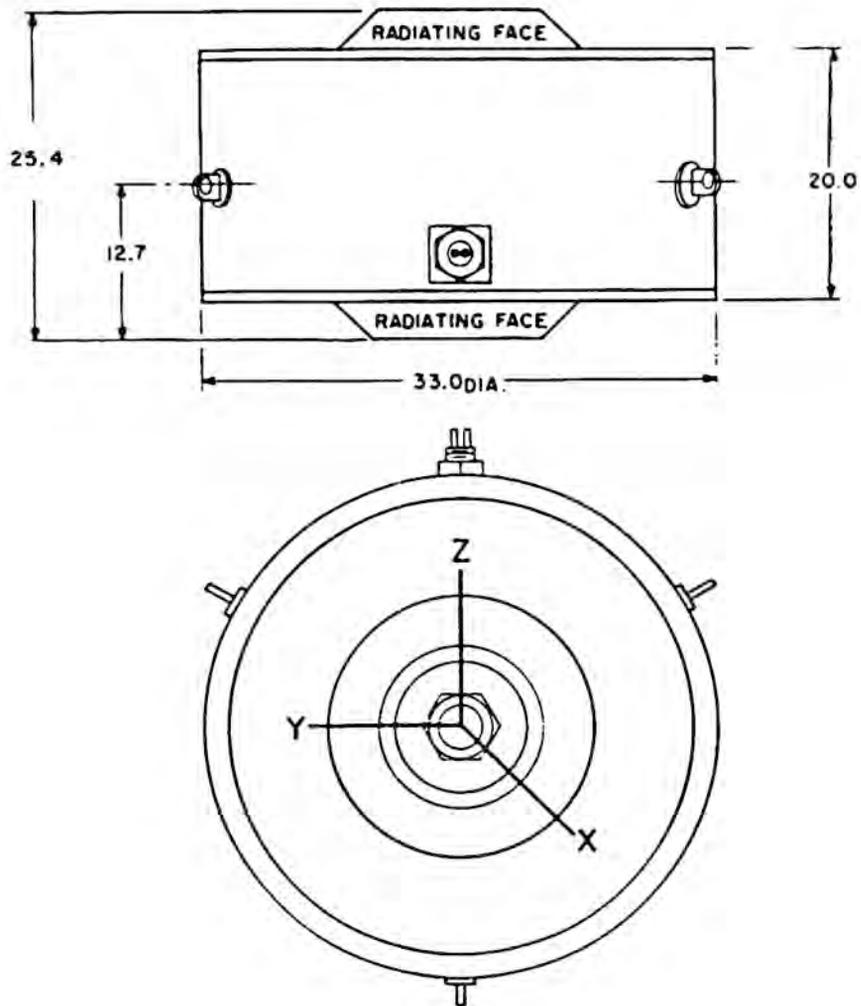


Fig. G34-5 - Dimensions (in cm) and orientation for Type G34 projector.