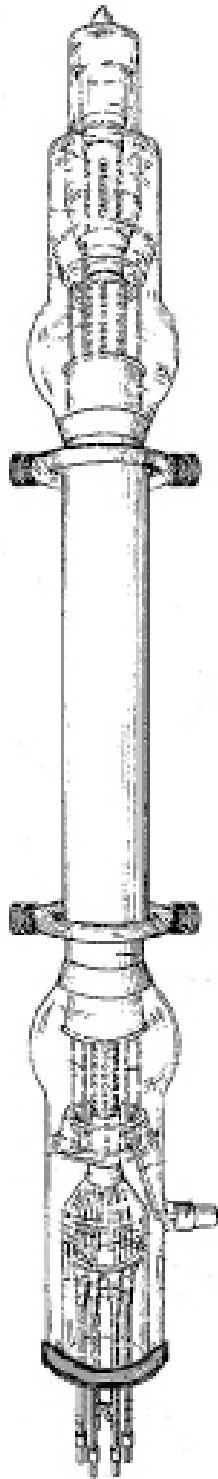


## Type 320A



320A

The 320A is a water-cooled triode designed for 500kW transmitters. It is 94 inches tall and 10.5 inches wide. The type number was reserved in 1934, and the laboratory developmental number was 116-Y. Manufacture was officially discontinued in 1954. The only known use was in the 500kW transmitter built in 1938 for radio station XERA in Mexico. The transmitter used 8 tubes, and apparently only 9 type 320A tubes were ever built.

The only known surviving example is displayed in the lobby of Continental Electronics.

These tubes have a bright tungsten filament designed for three-phase operation.

Filament: 35V at 435A

Characteristics at 18kV on the plate and 8A plate current:

Mu: 30

Rp: 965 ohms

Gm: 31,100 umhos

Maximum Ratings

Plate V (modulated): 12.5kV

Plate V (unmodulated): 18kV

Plate V: 20kV rms AC

Plate Current: 15A DC

Plate Dissipation: 150kW

Grid dissipation: 2kW

The 320A vacuum tube must be mounted vertically, with the filament terminal end down.

Tabular data taken from a plaque mounted with the tube at Continental Electronics.