



BC-730

Figure 47. Amplifier BC-730.

Status: Limited standard. *Stock No.:* 2C330.

Amplifier BC-730 (Federal Telegraph model CA-421) is a compressor amplifier with a constant output. The frequency response is within 1 db from 100 to 4,000 cycles. Inputs from -40 to -25 db at a noise level of 0 db are allowed a distortion of 10 average value at full gain -40 db; for inputs of -60 to -35 db the gain is between 35 and 38 db. The gain varies inversely for inputs between -35 and -25 with the input level, giving an output level of 0 db constant within 1 db. The compression time is about 0.05 seconds and the release time about 2 seconds.

TECHNICAL CHARACTERISTICS

POWER SOURCE: 110- to 220-v, 60-cycle at 80 w.
POWER OUTPUT: 0.06 w.
NUMBER OF TUBES: 5.

GENERAL APPLICATION

USE: Amplifier BC-730 is used as preamplifier to prevent overmodulation of transmitter.
INSTALLATION: Fixed.

TYPE OF SIGNAL: Voice.

PRINCIPAL COMPONENTS

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb)</i>
Amplifier BC-730	19 x 7 x 8 $\frac{1}{4}$	25

WEIGHT AND VOLUME

	<i>Unpacked</i>	<i>Domestic pack</i>
Total weight (lb)	25	28.5
Total volume (cu ft)	0.9	1.8