

GENERAL ELECTRIC

PICTURE RECEIVER WITH SOUND CONVERTER AND TELEVISION RECEIVER

MODELS HM-171 AND HM-185



Model HM-171



Model HM-185

SERVICE DATA

Overall Dimensions

Model	HM-171	HM-185
Height	14 $\frac{1}{16}$ inches	38 $\frac{7}{8}$ inches
Width	20 $\frac{3}{8}$ inches	27 $\frac{1}{2}$ inches
Depth	18 $\frac{3}{8}$ inches	18 $\frac{5}{8}$ inches

Electrical Specifications

Model	Power Supply (Volts)	Frequency (Cycles per Second)	Power Consumption (Watts)
HM-171	115-125	60	170
HM-185	115-125	60	170

Tuning Frequency Range

Band No. 1	44-50 MC.
Band No. 2	50-56 MC.
Band No. 3	66-72 MC.

Intermediate Frequencies

Television Video (Picture)	12.75 MC.
Television Audio	8.25 MC.

Maximum Electrical Output

Model HM-171. (Dependent upon radio receiver output)	
Model HM-185	5 watts

Loudspeaker—"Alnico" Magnetic Dynamic

Model	HM-185
Cone Diameter	12 inches
Voice Coil Impedance (400 cycles)	3.5 ohms

Picture Size

Height	3 $\frac{1}{4}$ inches
Width	4 $\frac{1}{4}$ inches

Tubes

Converter-Oscillator	GE-6F8G
Audio & Video I.F. Amplifier	GE-1853/6AB7
2nd and 3rd Audio I.F. Amplifiers	(2)GE-6SK7
Det., Audio, AVC (HM-185)	GE-6SQ7
Det. and AVC (HM-171)	GE-6H6
Audio Output (HM-185)	GE-6F6G
2nd and 3rd Video I.F. Amplifiers	(2)GE-1853/6AB7
4th Video I.F. Amplifier	GE-1852/6AC7
Video Det. and 1st Video Amplifier	GE-6F8G
Video Output and Sync. Clipper	GE-6F8G
Vertical Oscillator	GE-6F8G
Vertical Output	GE-6N7G
Horizontal Oscillator	GE-6N7G
Horizontal Output	GE-6F8G
High Voltage Rectifier	GE-879/2X2
Low Voltage Rectifier	GE-5U4G
Picture Tube	GE-5BP4

GENERAL INFORMATION

General Electric Picture Receiver and Sound Converter Model HM-171, is a table type, 17-tube, superheterodyne receiver equipped with a 5-inch, electrostatic-deflected, picture tube. The receiver works in conjunction with any radio receiver, which is designed for phonograph reproduction, to reproduce the sound portion of the television broadcast.

General Electric Television Receiver, Model HM-185 is a console type, 18-tube, superheterodyne receiver with a complete sound channel and using a 5-inch, electrostatic-deflected picture tube.

Additional design features include iron-core I.F. tuning, automatic tone compensation, automatic volume control and constant high-gain antenna coupling circuit.