

Specifications

FF 120T

Audio/acoustic and electrical

Speaker type	1-way, full-range, in-ceiling speaker
Frequency range.....	68 Hz to 18 kHz, -10 dB, half space
Power capacity	16 W (rms) continuous pink noise (per IEC 60268-5) 32 W (rms) continuous program
Nominal sensitivity.....	86 dB SPL, 1 watt, 1 m, half space
Nominal coverage angle.....	170° conical coverage
Nominal impedance	8 ohms per speaker
Driver	(1) 3" (76.2 mm) paper cone
Input connector	(1) 8 mm Euro-style captive screw terminal block, 7 pole
Tap settings	
70 V input.....	16 W, 8 W, 4 W, 2 W, 1 W, null (bypass 8 ohm direct connection)
100 V input.....	Null, 16 W, 8 W, 4 W, 2 W, 1 W (bypass 8 ohm direct connection)

General

Package	2 speakers (1 pair) with 2' (61 cm) cross bars
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Mounting	Drops into 2' x 2' (61 cm x 61 cm) or 2' x 4' (61 cm x 122 cm) suspended tile ceilings
Enclosure type	Composite, rectangular, with metal grille
Enclosure outer dimensions	3.25" H x 11.75" W x 23.75" L (8.3 cm H x 29.9 cm W x 60.3 cm L)
Product weight	Single: 5.1 lbs (2.3 kg)
Regulatory compliance	CE, NFPA90A, NFPA70; UL Listed for use in plenum airspaces: meets UL 2043 for heat and smoke release, meets UL 1480 for commercial and professional audio systems Complies with the appropriate requirements of RoHS, WEEE.
Safety	
Environmental.....	Complies with the appropriate requirements of RoHS, WEEE.
Warranty	5 years parts and labor

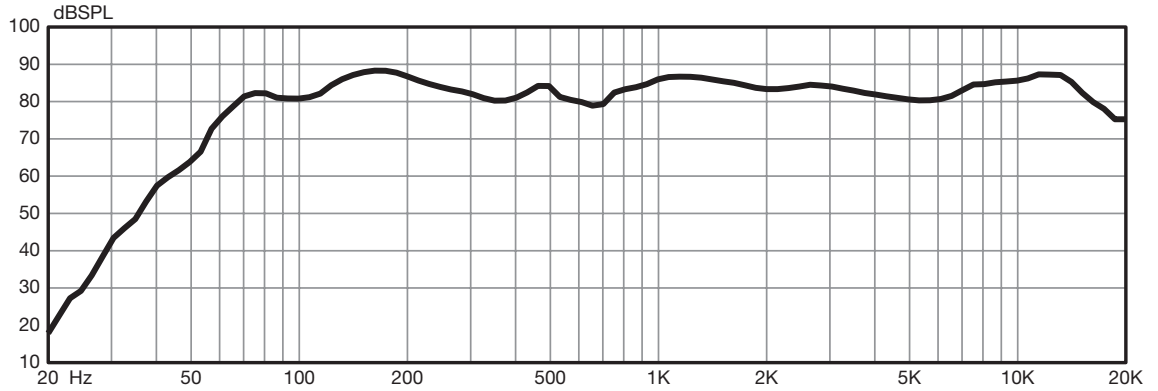
NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

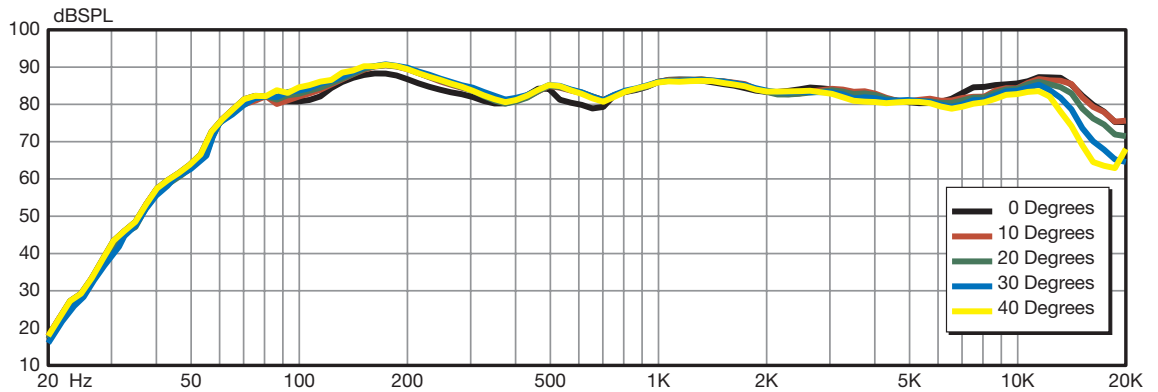
NOTE: Shipping weights and dimensions are available at www.extron.com.

FF 120 RESPONSE GRAPHS – FREQUENCY AND IMPEDANCE

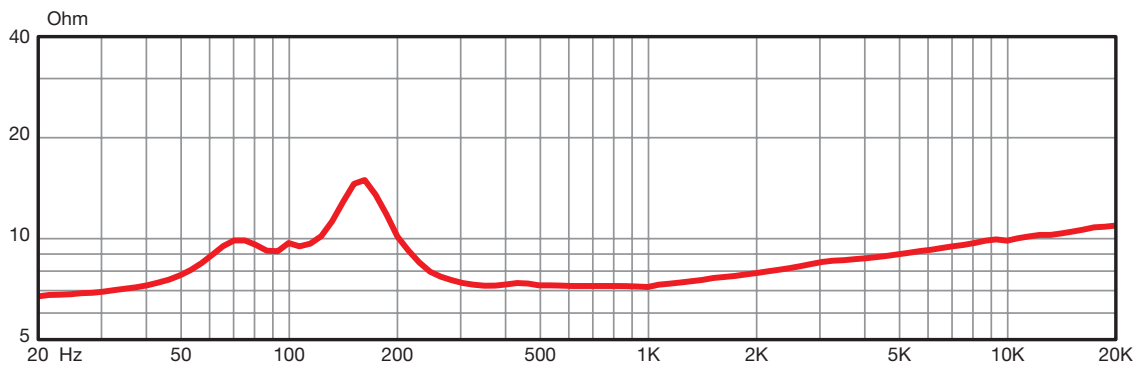
SPL vs. FREQUENCY – 1 WATT @ 1 METER RESPONSE, HALF SPACE (2π)



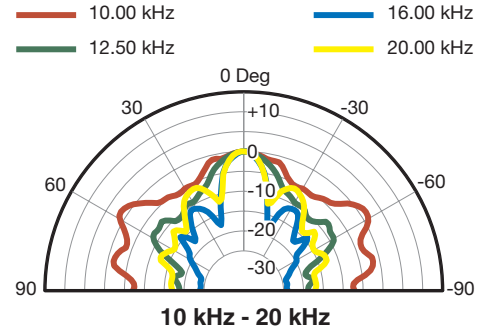
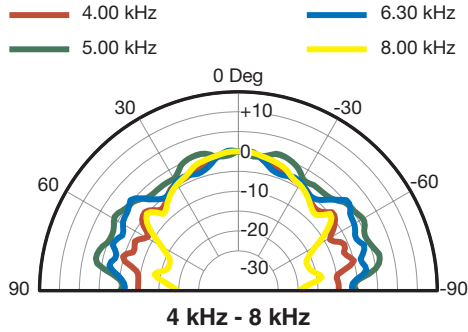
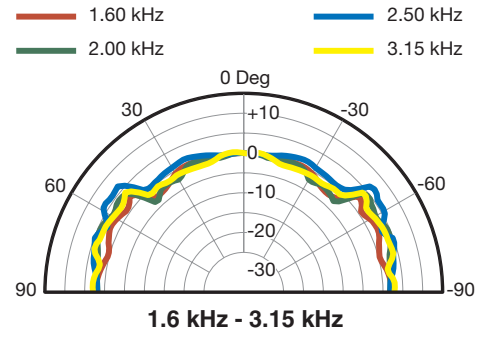
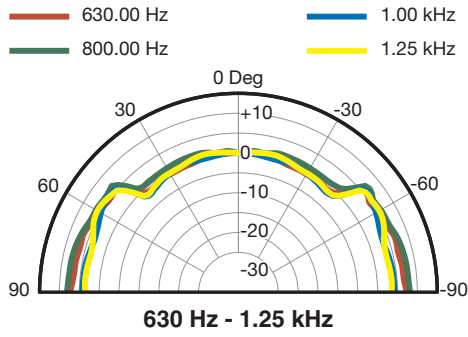
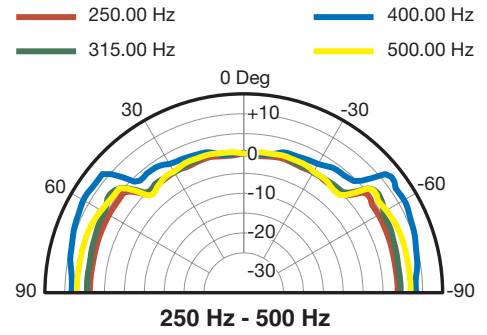
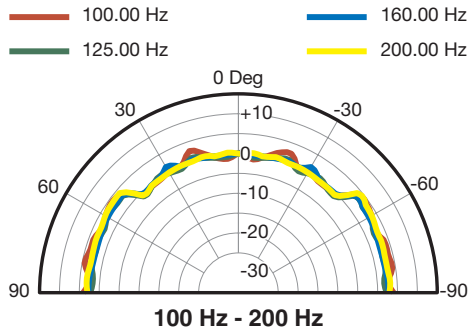
SPL vs. FREQUENCY – HORIZONTAL OFF-AXIS RESPONSE, HALF SPACE (2π)



IMPEDANCE vs. FREQUENCY



FF 120T POLAR GRAPHS – 1/3 OCTAVE, HORIZONTAL



4641-D12