

Motion[®] XT CI

MARTIN LOGAN
Folded Motion[®] In-Wall and In-Ceiling Speakers

XTC8, XTC8-HT, XTW6
XTW5-LCR, XTW6-LCR



The MartinLogan Motion XT CI series takes performance to the next level over Motion CI.

The Folded Motion XT tweeter gives each model in the Motion XT series even more of the clarity, output and efficiency that the standard size FMT is famous for. With Motion XT, we wanted to increase all aspects of performance over the Motion series, so we didn't just stop at the tweeter. All Motion XT models feature woven Kevlar woofers for increased rigidity and lightness as well as a special Nomex layer on the back side of the woofer material which increases clarity and realism by reducing resonance and ringing. In addition to the larger tweeter, and lighter, stronger woofers, MartinLogan's design and engineering team has fitted the Motion XT series with a more substantial chassis to strengthen the speaker and provide a more accurate sound, similar to a better cabinet on a traditional speaker. The Nomex layer and the chassis are not something you can see after installation, but it matters to the performance of the speaker, so it matters to us. With Motion XT CI, the difference is in the details.



XTC8

Frequency Response
51 - 25,000 Hz \pm 3dB

Tweeter Controlled Dispersion
30 x 80 degrees

Sensitivity (anechoic)
91dB @2.83V/ 1 meter

Impedance
4 ohms. Compatible with 8 ohms

Crossover Frequency
2,270 Hz

Crossover Type
2 way

Driver Configuration
1 x 1.27" x 2.75" FMT,
1 x 8" Woofers

High Frequency Driver
FMT Transducer
1.27" x 2.4"
(3.22cm x 6.09cm)
Opening
4.5" x 2.75"
(11.43cm x 6.98cm)
Diaphragm

Woofer Specifications
One 8" (20.32 cm) cast aluminum basket, black Kevlar with Nomex backer cone, Open back chamber format. Concave dust cap.

Connectors
Push style

Components
Custom air core coil inductors, polypropylene film capacitors in series and low DF electrolytic capacitors FMT thermal/current protection.

Cabinet Material
Black w/ White Paintable Grill

Suggested Amplifier Power
Range 50–300 Watts

Maximum Power Handling
150 Watts

Weight
7.9 lbs. (3.6 kg) each

Overall Size (dia. x depth)
10.35" x 5.30"
(26.30 x 13.46cm)

Required Opening
9.25" (9.5cm) diameter

Projection From Wall
0.33" (23.5cm)

Depth Required Behind Wall
5.50" (13.97cm)



XTC8-HT

Frequency Response
51 - 25,000 Hz \pm 3dB

Tweeter Controlled Dispersion
30 x 80 degrees

Sensitivity (anechoic)
91dB @2.83V/ 1 meter

Impedance
4 ohms. Compatible with 8 ohms

Crossover Frequency
2,000 Hz

Crossover Type
2 way

Driver Configuration
1 x 1.27" x 2.75" FMT,
1 x 8" Woofers

High Frequency Driver
FMT Transducer
1.27" x 2.4"
(3.22cm x 6.09cm)
Opening
4.5" x 2.75"
(11.43cm x 6.98cm)
Diaphragm

Woofer Specifications
One 8" (20.32 cm) cast aluminum basket, black Kevlar with Nomex backer cone, Open back chamber format. Concave dust cap.

Connectors
Push style

Components
Custom air core coil inductors, polypropylene film capacitors in series and low DF electrolytic capacitors FMT thermal/current protection.

Cabinet Material
Black w/ White Paintable Grill

Suggested Amplifier Power
Range 50–300 Watts

Maximum Power Handling
150 Watts

Weight
9.3 lbs. (4.2 kg) each

Overall Size (dia. x depth)
12.68" x 7.15"
(32.2 x 18.14cm)

Required Opening
11.5" (29.1cm) diameter

Projection From Wall
0.26" (0.65cm)

Depth Required Behind Wall
7.03" (17.84cm)



XTW6

Frequency Response
56 - 25,000 Hz \pm 3dB

Tweeter Controlled Dispersion
80 x 30 degrees

Sensitivity (anechoic)
91dB @2.83V/ 1 meter

Impedance
4 ohms. Compatible with 8 ohms

Crossover Frequency
2,460 Hz

Crossover Type
2 way

Driver Configuration
1 x 1.27" x 2.75" FMT,
1 x 6.5" Woofers

High Frequency Driver
FMT Transducer
1.27" x 2.4"
(3.22cm x 6.09cm)
Opening
4.5" x 2.75"
(11.43cm x 6.98cm)
Diaphragm

Woofer Specifications
One 6.5" (16.51 cm) cast aluminum basket, black Kevlar with Nomex backer cone, Open back chamber format. Concave dust cap.

Connectors
Push style

Components
Custom air core coil inductors, polyester film capacitors in series and low DF electrolytic capacitors FMT thermal/current protection.

Cabinet Material
Black w/ White Paintable Grill

Suggested Amplifier Power
Range 50–200 Watts

Maximum Power Handling
100 Watts

Weight
7.1 lbs. (3.2 kg) each

Overall Size (l x w x depth)
11.06" x 8.03" x 3.55"
(28.1 x 20.4 x 9.02cm)

Required Opening
7" x 10.13" (17.9 x 25.9cm)

Projection From Wall
0.31" (0.79cm)

Depth Required Behind Wall
3.43" (8.72cm)



XTW5-LCR

Frequency Response
61 - 25,000 Hz \pm 3dB

Tweeter Controlled Dispersion
80 x 30 degrees

Sensitivity (anechoic)
92dB @2.83V/ 1 meter

Impedance
4 ohms. Compatible with 8 ohms

Crossover Frequency
2,180 Hz

Crossover Type
2 way

Driver Configuration
1 x 1.27" x 2.75" FMT,
2 x 5.25" Woofers

High Frequency Driver
FMT Transducer
1.27" x 2.4"
(3.22cm x 6.09cm)
Opening
4.5" x 2.75"
(11.43cm x 6.98cm)
Diaphragm

Woofer Specifications
Two 5.25" (13.33 cm) cast aluminum basket, black Kevlar with Nomex backer cone, Open back chamber format. Concave dust cap.

Connectors
Push style

Components
Custom air core coil inductors, polyester film capacitors in series and low DF electrolytic capacitors FMT thermal/current protection.

Cabinet Material
Black w/ White Paintable Grill

Suggested Amplifier Power
Range 50–250 Watts

Maximum Power Handling
125 Watts

Weight
9.8 lbs. (4.4 kg) each

Overall Size (l x w x depth)
7.87" x 15.79" x 3.32"
(20 x 40.1 x 8.43cm)

Required Opening
14.5" x 6.5"
(36.8 x 16.5cm)

Projection From Wall
0.12" (0.3cm)

Depth Required Behind Wall
3.20" (8.13cm)



XTW6-LCR

Frequency Response
44 - 25,000 Hz \pm 3dB

Tweeter Controlled Dispersion
80 x 30 degrees

Sensitivity (anechoic)
93dB @2.83V/ 1 meter

Impedance
4 ohms. Compatible with 8 ohms

Crossover Frequency
260, 2470 Hz

Crossover Type
3 way

Driver Configuration
1 x 1.27" x 2.75" FMT,
1 x 6.5" midrange,
2 x 6.5" Woofers

High Frequency Driver
FMT Transducer
1.27" x 2.4"
(3.22cm x 6.09cm)
Opening
4.5" x 2.75"
(11.43cm x 6.98cm)
Diaphragm

Woofer Specifications
Two 6.5" (16.51 cm) cast aluminum basket, black Kevlar with Nomex backer cone, Open back chamber format. Concave dust cap.

Midrange Specifications
One 6.5" (16.51 cm) cast aluminum basket, black Kevlar with Nomex backer cone, Sealed back chamber format. Concave dust cap.

Connectors
Push style

Components
Custom air core coil inductors, polyester film capacitors in series and low DF electrolytic capacitors FMT thermal/current protection.

Cabinet Material
Black w/ White Paintable Grill

Suggested Amplifier Power
Range 50–300 Watts

Maximum Power Handling
150 Watts

Weight
18.9 lbs. each (8.6 kg)

Overall Size (l x w x depth)
28" x 7.69" x 3.67"
(71.12 x 19.5 x 9.31cm)

Required Opening
6.64" x 27"
(16.9 x 68.5cm)

Projection From Wall
0.13" (0.32cm)

Depth Required Behind Wall
3.54" (8.99cm)

Specifications are subject to change without notice.

Motion® XT CI Front, Center, and Surround Speakers

