



LEGEND MLK 700.3 SYSTEM

200 W



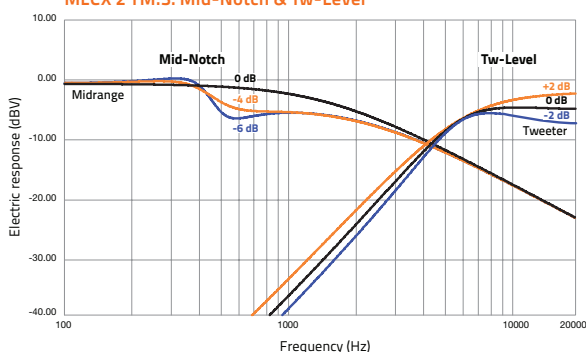
TECHNICAL SPECIFICATIONS

Component	2-way system	
Size		
Midrange	mm (in.)	70 (3)
Tweeter diaphragm	mm (in.)	35 (1.38)
Crossover	mm (in.)	195x119x41 (7.67x4.68x1.61)
Voice Coil Ø		
Midrange	mm (in.)	20 (0.8)
Tweeter	mm (in.)	28 (1.1)
Power Handling		
W peak	200	
W continuous	100	
Impedance	Ω	4
Frequency Response	Hz	200 ÷ 28k
Crossover cut-off	Lo/Hi-pass	4.5 kHz - 6/12 dB Oct
Crossover adjustment	Tweeter Level	+2 / 0 / -2 dB
	Mid-Notch	0 / -4 / -6 dB
Weight of one component		
Midrange	kg (lb)	0,210 (0.46)
Tweeter	kg (lb)	0,1 (0.22)
Crossover	kg (lb)	0,57 (1.26)

ELECTRO-ACOUSTIC PARAMETERS

		ML 700.3	ML 280.3
D	mm	65	28
Xmax	mm	±1,1	-
Re	Ω	3,8	3,5
Fs	Hz	110	900
Le	mH	0,05	0,013
Vas	l	1,1	-
Mms	g	2,7	0,4
Cms	mm/N	0,7	0,09
BL	T·m	3,3	1,9
Qts		0,57	1,3
Qes		0,67	1,9
Qms		4	4
Spl	dB	90	92

MLCX 2 TM.3: Mid-Notch & Tw-Level



ML 280.3 Legend

1. Neodymium magnet optimized with FEA simulations of the magnetic flux for utmost control and fast response to the transients.
2. Extremely pure copper short circuit ring, for excellent very high frequency extension.
3. Die-cast aluminium face plate with profile optimized with FEA simulations to improve frequency response and dispersion.
4. Tetolon Fiber dome optimized with FEA simulations for lower distortion and improved dispersion in high frequency range.
5. Frame structure and rear load chamber both derived from a CNC machined solid aluminium block, to ensure mechanically inert response to resonances.
6. Rear chamber sized for only 900 Hz Fs: low Fs ensures wide extension in low frequency range and low distortion also in the crossing section, allowing a decreased cut-off frequency.
7. High-density damping material underneath the dome, low-density absorbing material in the rear chamber, providing fluid acoustic emission and high damping in the low frequency response.

ML 700.3 Legend

1. Neodymium magnet optimized with FEA simulations, for superior dynamics and control.
2. Very low carbon content CNC machined plates, for maximum magnetic permeability and low distortion at high power levels.
3. Extremely pure copper covered central pole and one-layer mobile coil, for a wider extension in the high frequency range.
4. Exponential V-cone® with optimized geometry for utmost linearity and dispersion.
5. CONEX spider with optimized profile, for maximum transparent acoustics at mid-high frequency.
6. "Boundary Free" IIR rubber surround, for better efficiency and wider mid-bass frequency.
7. Pressed-pulp cone with cotton fibres, combining stiffness and lightweight, to achieve wide frequency response and limited break-ups at high frequency.
8. Junction point between cone and former with geometry optimized with FEA methods, allowing a more integral coupling, thus ensuring wider extension at high frequency.
9. Three-spoke, very acoustically transparent anti-resonant aluminium alloy basket featuring built-in venting holes.
10. CNC machined elegant diamond-cut basket edge featuring the Hertz logo.
11. Die-cast aluminium factory provided grille featuring diamond-cut aluminium Hertz logo.

MLCX 2 TM.3 Legend

1. "Mid-Notch" function, a sophisticated notch passive network featuring a three-position switch to select the amount of acoustic effect. It also provides the ability to linearize the midrange frequency response according to its position in the car and considering the woofer selected to complete the system low frequency range.
2. Three terminals for tweeter level adjustment in 2 dB steps, to fine-tune the transducer's emission.
3. Extremely high quality 160V ultra-low DF polyester bi-metallized film capacitors, for maximum sound transparency and neat mid/hi-frequencies.
4. Air wound inductors built on pure copper-wire with up to 1mm diameter, for high saturation threshold of the magnetic flux and low losses on the woofer section where high transient currents are demanded.
5. High power rating Wirewound resistors, to ensure performance stability even at high operating temperature. The Wirewound construction grants low parasitic series inductance thus reducing losses at high frequencies, especially for resistors in series to the tweeter.