



## LEGEND MLK 165.3 SYSTEM

### 300 W



#### TECHNICAL SPECIFICATIONS

Component		2-way system	
<b>Size</b>			
Woofer	mm (in.)	165 (6.5)	
Tweeter diaphragm	mm (in.)	35 (1.38)	
Crossover	mm (in.)	146x114x40 (5.74x4.49x1.57)	
<b>Voice Coil Ø</b>			
Woofer	mm (in.)	36 (1.4)	
Tweeter	mm (in.)	28 (1.1)	
<b>Power Handling</b>			
	W peak	300	
	W continuous	150	
<b>Impedance</b>			
	Ω	4	
<b>Frequency Response</b>			
	Hz	40 ÷ 25k	
<b>Crossover cut-off</b>			
	Lo/Hi-pass	3.5 kHz -12 dB Oct	
<b>Crossover adjustment</b>			
	Tweeter Level	+2 / 0 / -2 dB	
	Hi-Contour	ON / OFF	
<b>Weight of one component</b>			
Woofer	kg (lb)	1,65 (3.64)	
Tweeter	kg (lb)	0,075 (0.16)	
Crossover	kg (lb)	0,37 (0.82)	

#### ELECTRO-ACOUSTIC PARAMETERS

		ML 165.3	ML 28.3
D	mm	132	28
Xmax	mm	±5	-
Re	Ω	3,3	3,3
Fs	Hz	65	900
Le	mH	0,37	0,024
Vas	l	9	-
Mms	g	17	0,4
Cms	mm/N	0,3	0,08
BL	T·m	6	2
Qts		0,57	1,1
Qes		0,64	1,7
Qms		5,4	3,3
Spl	dB	92	91

#### ML 28.3 Legend

1. Double Neodymium magnet optimized with FEA simulations, for maximum field symmetry and exceptional transfer efficiency.
2. Tetolon Fiber dome optimized with FEA simulations, for excellent dynamics and angle dispersion.
3. Larger rear chamber, to reduce Fs from 1000Hz to 900Hz.
4. Natural fibre non-woven sound-absorption material, for better damping and more natural acoustic emission.

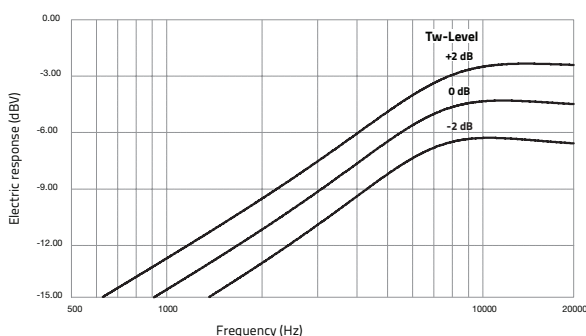
#### ML 165.3 Legend

1. CCAW double-layer 36 mm voice coil on Kapton former, for exceptional power handling and no-compromise dynamics.
2. Exponential V-cone with optimized geometry for better dispersion and higher SPL performance.
3. "Boundary Free" IIR rubber surround, for higher efficiency.
4. Cotton-injected paper cone for stiffness, lightweight and dynamics.
5. Three-spoke, anti-resonant aluminium alloy basket featuring built-in venting holes.
6. Highly acoustic transparent basket design

#### MLCX 165.3 Legend

1. "Hi-Contour" two-position control, to select the tweeter hi-pass crossover point according to the tweeter position/angle towards the listener.
2. Three terminals for tweeter level adjustment in 2 dB steps, to fine-tune the transducer's emission.
3. Extremely high quality bi-metallized 160V polyester film capacitors with ultra-low DF, for maximum sound transparency and neat mid/hi-frequencies.
4. Air wound built on pure copper-wire 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 build construction grants low parasitic series inductance thus reducing losses at high frequencies, especially for resistors in series to the tweeter.

MLCX 165.3: Tweeter-Level



MLCX 165.3: Hi-Contour

