Mille LEGEND

HERTZ

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LEGEND

MLK 1650.3

SYSTEM

300 W



TECHNICAL SPECIFICATIONS

Component		2-way system
Size		
Woofer	mm (in.)	165 (6.5)
Tweeter diaphragm	mm (in.)	35 (1.38)
Crossover	mm (in.)	195x119x41 (7.67x4.68x1.61)
Voice Coil Ø		
Woofer	mm (in.)	36 (1.4)
Tweeter	mm (in.)	28 (1.1)
Power Handling	W peak	300
	W continuos	150
Impedance	Ω	4
Frequency Response	Hz	40 ÷ 28k
Crossover	Woofer	Lo-pass 6 dB Oct.
	Tweeter	Hi-pass 12 dB Oct.
	Cut-off	2.5 kHz (Mid/Hi-Cont. = ON)
		3.5 kHz (Mid/Hi-Cont. = OFF)
Adjustment	Tweeter	+2 / 0 / -2 dB
	Hi-Boost	ON / OFF
	Hi-Contour	ON / OFF
	Mid-Contour	ON / OFF
	Bi-Amp	ON / OFF
Weight of one component		
Woofer	kg (lb)	1.29 (2.84)
Tweeter	kg (lb)	0,1 (0.22)
Crossover	kg (lb)	0,57 (1.26)

ELECTRO-ACOUSTIC PARAMETERS

		ML 1650.3	ML 280.3
D	mm	132	28
Xmax	mm	±5	-
Re	Ω	3,3	3,3
Fs	Hz	65	900
Le	mH	0,24	0,013
Vas	l	8,3	-
Mms	g	17,5	0,4
Cms	mm/N	0,3	0,09
BL	T▪m	7	1,9
Qts		0,47	1,3
Qes		0,52	1,9
Qms		5,3	4
Spl	dB	93	92

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 1650.3 Legend

1. Neodymium magnet optimized with FEA simulations for real dynamics and utmost control.
2. Very low carbon content CNC machined plates, for maximum magnetic permeability and low distortion at high power levels.
3. Aluminium covered pole for a linear impedance modulation and low distortion.
4. 36 mm CCAW double layer voice coil wound on a Polyamide former for exceptional power handling and compression-free re production even in the most demanding musical passages.
5. Exponential V-cone® with optimized geometry for utmost linearity and dispersion at mid frequency range.
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. Three-spoke, very acoustically transparent anti-resonant aluminium alloy basket featuring built-in venting holes.
9. CNC machined elegant diamond-cut basket edge featuring the Hertz logo.
10. Die-cast aluminium factory provided grille featuring diamond-cut aluminium Hertz logo.

MLCX 2 TW.3 Legend

1. Bi-amplification available, selectable through appropriate hi-current rating switch with hi-current carrying capability.
2. "Mid-Contour" two-position control, for a linear mid-bass frequency response according to the woofers position in the car and the listener's favourite sound.
3. "Hi-Contour" two-position control, to select the tweeter hi-pass crossover point selection according to the tweeter position/angle towards the listener.
4. "Mid-Contour" in conjunction with "Hi-Contour" provides the ability to use MLCX 2 TW.3 to build a two way system based on ML 1650.3 or ML 1800.3 woofer together with ML 280.3 tweeter.
5. Three-position switch for tweeter level adjustments in 2 dB steps, to fine-tune the transducer's emission.
6. "Hi-Boost" control, selectable through appropriate switch, to provide better linearity of the tweeter emission above 10kHz when positioned not on axis to with the listener.
7. Extremely high quality bi-metallized 160V polyester film capacitors with ultra-low DF, for maximum sound transparency and neat mid/hi-frequencies.
8. 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.
9. 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.

All Specifications Subject to Change Without Notice_14.D