

## PRO MPK 165.3

TWO WAY SYSTEM  
220 W



### TECHNICAL SPECIFICATION

<b>Component</b>	2-way system	
<b>Size</b>		
Woofer	mm (in.)	165 (6.5)
Tweeter diaphragm	mm (in.)	29 (1.14)
<b>Voice Coil Ø</b>		
Woofer	mm (in.)	25 (1)
Tweeter	mm (in.)	25 (1)
<b>Power Handling</b>	W peak	220
	W continuous	110
<b>Sensitivity</b>	dB SPL	92
<b>Impedance</b>	Ω	4
<b>Frequency Response</b>	Hz	40 ÷ 22,5k
<b>Crossover</b>	Woofer	Low pass 3,5kHz @ -6 dB Oct.
	Tweeter	Hi pass 3,5kHz @ -12 dB Oct.
<b>Adjustment</b>	Tweeter Level	0 / +2 dB
<b>Weight of one component</b>		
Woofer	kg (lb)	1.07 (2.36)
Tweeter	kg (lb)	0.07 (0.15)
Crossover	kg (lb)	0.16 (0.35)

### ELECTRO-ACOUSTIC PARAMETERS

		MP 25.3	MP 165.3
<b>D</b>	mm	29	132
<b>Xmax</b>	mm	-	±4
<b>Re</b>	Ω	3,9	3,1
<b>Fs</b>	Hz	1200	70
<b>Le</b>	mH	0,02	0,3
<b>Vas</b>	l	-	9,5
<b>Mms</b>	g	0,17	14,9
<b>Cms</b>	mm/N	0,1	0,36
<b>BL</b>	T•m	1,6	5,5
<b>Qts</b>		0,55	0,58
<b>Qes</b>		1,98	0,67
<b>Qms</b>		0,57	4,6
<b>Spl</b>	dB	91	93



#### MP 25.3:

1. Tetolon fiber soft dome, for a natural yet detailed reproduction of musical nuances.
2. "Center Tuning Duct" geometry, for lower resonance frequency and reduced harmonic distortion.
3. High density flux Neodymium magnet, optimized for utmost control during high energy dynamic transients in the mid-high frequency range.
4. 25mm ferrofluid-cooled mobile voice coil.
5. Rear chamber filled with selected damping material and sized for lower Fs, to ensure a well damped high pass frequency roll-off, allowing low cut-off frequency crossover point.
6. Faceplate featuring FEM (Finite Element Modeling) optimized geometry, for high linearity in off-axis installations.
7. Wide array of installation accessories, for an easy OEM integration.

#### MP 165.3:

1. Pure copper voice coil wound on a Polyamide former for high power handling combined with very low intermodulation distortion of vocals.
2. Exponential V-cone® profile pressed-pulp cone with cotton fibers, combining stiffness and lightweight for a wide frequency response. Cone profile geometrically optimized for utmost linearity and dispersion in the mid frequency range.
3. "Boundary Free" rubber surround, for improved efficiency and wider mid-bass frequency.
4. High density flux ferrite magnet combined with very low carbon content iron plates, for low distortion at high power levels.
5. Low mounting depth, acoustically transparent aluminium alloy basket with elegant diamond cutting and featuring the aluminium Hertz logo.
6. Full protection metal mesh grill featuring the aluminium Hertz logo and attractive look mineral powder coated inner grill are included for several install combinations.

#### MPCX 2.3:

1. Two-position (0 / +2 dB) switch for tweeter level adjustments, to fine-tune the transducers emission.
2. 160V extremely high quality bi-metallized polyester film capacitors with ultra-low DF, for maximum sound transparency and neat mid/hi-frequencies.
3. 1mm pure copper wire low series resistance inductors, for low dissipation losses on the woofer section where high transient currents are demanded.
4. Small footprint design for easy installation, with top vent grille for efficient heat dissipation.