

## PRO MPK 163.3

THREE WAY SYSTEM  
300 W



### TECHNICAL SPECIFICATION

<b>Component</b>	3-way system	
<b>Size</b>		
Woofer	mm (in.)	165 (6.5)
Midrange	mm (in.)	70 (3)
Tweeter diaphragm	mm (in.)	29 (1.14)
<b>Voice Coil Ø</b>		
Woofer	mm (in.)	25 (1)
Midrange	mm (in.)	20 (0.8)
Tweeter	mm (in.)	25 (1)
<b>Power Handling</b>		
	W peak	300
	W continuous	150
<b>Sensitivity</b>	dB SPL	92
<b>Impedance</b>	Ω	4
<b>Frequency Response</b>	Hz	40 ÷ 22,5k
<b>Crossover</b>		
	Woofer	Lo-Pass 450Hz - 6 dB Oct.
	Midrange	Band-Pass 450 ÷ 5.5k Hz - 6 dB Oct.
	Tweeter	Hi-Pass 5.5kHz - 12 dB Oct.
<b>Adjustment</b>		
	Tweeter level	0 / +2 dB
	Midrange level	0 / +2 dB
<b>Weight of one component</b>		
Woofer	kg (lb)	1.07 (2.36)
Midrange	kg (lb)	0.17 (0.37)
Tweeter	kg (lb)	0.07 (0.15)
Crossover	kg (lb)	0.43 (0.95)

### ELECTRO-ACOUSTIC PARAMETERS

		MP 25.3	MP 70.3	MP 165.3
<b>D</b>	mm	29	65	132
<b>Xmax</b>	mm	-	±1,5	±4
<b>Re</b>	Ω	3,9	3,7	3,1
<b>Fs</b>	Hz	1200	110	70
<b>Le</b>	mH	0,02	0,12	0,3
<b>Vas</b>	l	-	1	9,5
<b>Mms</b>	g	0,17	2,9	14,9
<b>Cms</b>	mm/N	0,1	0,7	0,36
<b>BL</b>	T·m	1,6	2,8	5,5
<b>Qts</b>		0,55	0,82	0,58
<b>Qes</b>		1,98	1	0,67
<b>Qms</b>		0,57	4,6	4,6
<b>Spl</b>	dB	91	88	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 70.3:

1. Symmetrical dual Neodymium magnet structure specifically developed with FEM (Finite Element Modeling) simulations, for superior dynamics and control.
2. 20 mm CCAW double layer voice coil wound on a Polyamide former with 8 decompression holes, for exceptional power handling and compression-free reproduction.
3. 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-high frequency range.
4. "Boundary Free" rubber surround, for better efficiency and wider mid-bass frequency.
5. Anti-vibration rubber magnet cover, to damp spurious vibrations, removable to fit limited mounting depth installations.
6. Acoustically transparent aluminium alloy basket with elegant diamond cutting and featuring the aluminium Hertz logo.
7. Full protection metal mesh grill featuring the aluminium Hertz logo and attractive look mineral powder coated inner grill are included for several install combinations.

### 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 3.3:

1. Two-position (0 / +2 dB) switch for tweeter & midrange level adjustments, to fine-tune the transducers emission according to their installation position.
2. 100V extremely high quality bi-metallized polyester film capacitors in the tweeter section, for maximum sound transparency and neat 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. Compact footprint design for easy installation, with top vent grille for efficient heat dissipation.

