

## PRO MPK 1650.3

TWO WAY SYSTEM  
250 W



### TECHNICAL SPECIFICATIONS

<b>Component</b>	2-way system	
<b>Size</b>		
Woofer	mm (in.)	165 (6.5)
Tweeter diaphragm	mm (in.)	35 (1.38)
<b>Voice Coil Ø</b>		
Woofer	mm (in.)	25 (1)
Tweeter	mm (in.)	28 (1.1)
<b>Power Handling</b>	W peak	250
	W continuous	125
<b>Sensitivity</b>	dB SPL	93.5
<b>Impedance</b>	Ω	3
<b>Frequency Response</b>	Hz	45 ÷ 25k
<b>Crossover</b>	Woofer	Lo-pass 12 dB Oct.
	Tweeter	Hi-pass 12 dB Oct.
	Cut-off	3 kHz (Hi-Cont. = ON) 4 kHz (Hi-Cont. = OFF)
<b>Crossover Adjustment</b>	Tweeter-Level	+2 / 0 / -2 dB
	Hi-Contour	ON/OFF
<b>Weight of one component</b>		
Woofer	kg (lb)	1,20 (2.65)
Tweeter	kg (lb)	0,075 (0.16)
Crossover	kg (lb)	0,37 (0.82)

### ELECTRO-ACOUSTIC PARAMETERS

		MP 28.3	MP 165P.3
<b>D</b>	mm	35	132
<b>Xmax</b>	mm	-	±4,5
<b>Re</b>	Ω	3,3	2,6
<b>Fs</b>	Hz	900	75
<b>Le</b>	mH	0,024	0,28
<b>Vas</b>	l	-	8
<b>Mms</b>	g	0,4	15,1
<b>Cms</b>	mm/N	0,08	0,3
<b>BL</b>	T·m	2	5,45
<b>Qts</b>		1,1	0,56
<b>Qes</b>		1,7	0,63
<b>Qms</b>		3,3	5,2
<b>Spl</b>	dB	91	94

#### MP 28.3:

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 down to 900Hz.
4. Natural fibre non-woven sound-absorption material, for better damping and more natural acoustic emission.

#### MP 165P.3:

1. 3 ohm nominal impedance to exploit all the amplifier's power.
2. 14 mm height pure copper voice coil wound on a Polyamide former, for exceptional power handling.
3. 95 mm diameter magnet to maximize the control over the whole excursion.
4. 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.
5. "Boundary Free" rubber surround, for improved efficiency and wider mid-bass frequency.
6. Low mounting depth, 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.

#### MPCX 165.3:

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 inductors built on pure copper-wire with up to 1mm diameter, for 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.