

Morel Neodymium Line

MDT-39 Compact Soft Dome Tweeter



The MDT-39 is a super high quality tweeter of small dimensions (the faceplate measures only 2-1/8" x 2-1/8")! This is achieved by using an ultralight, powerful neodymium magnet coupled to a rear chamber for low resonance. The MDT 39 utilizes the proven 1-1/8" soft dome and features low distortion, wide frequency response, and lack of sound pressure compression. Fully shielded for A/V use. Replacement diaphragm #277-064.

Specifications: • Power handling: 80 watts RMS/110 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.3 ohms • Frequency response: 2,200-20,000 Hz • Fs: 750 Hz • SPL: 88 dB 1W/1m • Dimension: A: 2-1/8" x 2-1/8", B: 1-3/4", C: 2-1/4", D: 1-3/4". R.O. #277-064

#277-035 \$57.99 LIST **\$52.70** (1-3) **\$50.25** (4-UP)

MDT-40 Compact Soft Dome Tweeter

Morel's MDT-40 is virtually identical to the superb MDT-39 (#277-035) but with one very important difference; it employs Morel's Hexatech aluminum voice coil-technology to improve efficiency and greatly improve power handling (to 120 watts RMS!). Small faceplate allows very close placement to woofer or midrange for improved sound integration. Fully shielded for A/V use.



Specifications: • Power handling: 120 watts RMS/170 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 2,200-20,000 Hz • Fs: 750 Hz • SPL: 89 dB 1W/1m • Dimensions: A: 2-1/8" x 2-1/8", B: 1-3/4", C: 2-1/4".

#277-040 \$79.99 LIST **\$72.85** (1-3) **\$68.70** (4-UP)

MDT-44 Compact Soft Dome Tweeter

Morel's MDT-44 builds upon the already exceptional MDT-40 by increasing sensitivity and extending the frequency response. Small faceplate allows very close placement to woofer or midrange for improved sound integration. Fully shielded for A/V use.



Specifications: • Power handling: 120 watts RMS/170 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 2,200-22,000 Hz • Fs: 750 Hz • SPL: 91 dB 1W/1m • Dimensions: A: 2-1/8" x 2-1/8", B: 1-3/4", C: 2-1/4".

#277-042 \$104.99 LIST **\$97.60** (1-3) **\$93.40** (4-UP)

MDM-55 Compact Dome Midrange

No compromise 2-1/8" treated soft dome midrange designed for high end multiple speaker systems. It employs a powerful neodymium magnet (22 times stronger than ferrite!) enabling this unit to be both compact and ultra lightweight. Features Hexatech aluminum voice coil technology, rear chamber loading, gold plated terminals, and is fully shielded to allow A/V use. This fine midrange retains the natural "warmth" and "body" of sounds.



Specifications: • Power handling: 200 watts RMS/285 watts max • Le: 2-1/8" • VC_{DIA}: .19 mH • Impedance: 8 ohms • DC resistance: 6.3 ohms • Frequency response: 250-6,500 Hz • Fs: 280 Hz • SPL: 91 dB 1W/1m • Dimensions: A: 3-7/16" x 3-7/16", B: 3", C: 3-3/8".

#287-020 \$94.99 LIST **\$86.75** (1-3) **\$82.95** (4-UP)

MW-113 4" DPC Woofer

This 4" driver utilizes a damped polymer composite cone, rubber surround, a triple magnet system, and a large 2-1/8" Hexatech aluminum voice coil. Vented into a magnetically shielded rear chamber, this driver is especially well suited for home theater and video applications. Can be used as a small woofer or as a high quality midrange unit.



Specifications: • Power handling: 150 watts RMS/210 watts max • VC_{DIA}: 2-1/8" • Le: .25 mH • Impedance: 8 ohms • Re: 6.2 ohms • Frequency response: 50-6,000 Hz • Fs: 72 Hz • SPL: 85 dB 1W/1m • V_{AS}: .15 cu. ft. • Q_{MS}: 3.13 • Q_{ES}: 1.03 • Q_{TS}: .75 • X_{MAX}: 3.0 mm • Dimensions: A: 4-5/8", B: 3-3/4", C: 2-1/4".

#297-010 \$94.99 LIST **\$84.80** (1-3) **\$80.25** (4-UP)

MW-114S 4" DPC Woofer

The MW-114S is the first of Morel's new generation of woofers, featuring a powerful Neodymium magnet system and a large 2-1/8" Hexatech aluminum voice coil. Vented into a magnetically shielded rear chamber, this driver is especially well suited for home theatre and video applications. Can be used as a small woofer or as high quality midrange unit.



Specifications: • Power handling: 150 watts RMS/210 watts max • VC_{DIA}: 2-1/8" • Le: .36 mH • Impedance: 8 ohms • Re: 5.6 ohms • Frequency response: 55-7,000 Hz • Fs: 65 Hz • SPL: 87 dB 1W/1m • V_{AS}: .11 cu. ft. • Q_{MS}: 2.32 • Q_{ES}: .36 • Q_{TS}: .31 • X_{MAX}: 3.0 mm • Dimensions: A: 4-5/8", B: 3-3/4", C: 2-1/4".

#297-012 \$140.99 LIST **\$127.00** (1-3) **\$121.00** (4-UP)

MW-144 5" DPC Woofer

A unique 5" unit that incorporates a damped polymer composite cone, huge 3" Hexatech voice coil, vented double magnet system, and smooth response up to 5 kHz. All this results in a very impressive bass/midrange driver.



Specifications: • Power handling: 150 watts RMS/210 watts max • VC_{DIA}: 3" • Le: .50 mH • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 35-5,000 Hz • Fs: 52 Hz • SPL: 88 dB 1W/1m • V_{AS}: .28 cu. ft. • Q_{MS}: 2.44 • Q_{ES}: .71 • Q_{TS}: .55 • X_{MAX}: 3.5 mm • Dimensions: A: 5-5/8", B: 4-5/8", C: 2-5/8".

#297-022 \$104.99 LIST **\$94.35** (1-3) **\$90.20** (4-UP)

MW-164 6" Paper Cone Woofer

The MW-164 employs a vented double magnet system which results in higher power handling, longer linear excursion, and superior bass response. Polymer treated paper cone, 3" Hexatech aluminum voice coil, and rubber surround.



Specifications: • Power handling: 150 watts RMS/210 watts max • VC_{DIA}: 3" • Le: .61 mH • Impedance: 8 ohms • Re: 6.3 ohms • Frequency response: 45-2,800 Hz • Fs: 55 Hz • SPL: 86 dB 1W/1m • V_{AS}: .40 cu. ft. • Q_{MS}: 2.82 • Q_{ES}: .89 • Q_{TS}: .68 • X_{MAX}: 4.25 mm • Dimensions: A: 6-1/4", B: 5-3/8", C: 2-11/16".

#297-030 \$119.99 LIST **\$107.40** (1-3) **\$102.75** (4-UP)

MW-266 8" Paper Cone Woofer

The MW-266 incorporates Morel's unique vented double magnet and 3" Hexatech system to provide long excursion, smooth response, and extremely low distortion. Cone is made of polymer treated paper and is coupled to a rubber surround. Blends well with any of the Morel tweeters, when crossed over at 2 kHz.



Specifications: • Power handling: 150 watts RMS/210 watts max • VC_{DIA}: 3" • Le: .54 mH • Impedance: 8 ohms • Re: 6.3 ohms • Frequency response: 22-2,200 Hz • Fs: 30 Hz • SPL: 89 dB 1W/1m • V_{AS}: 2.83 cu. ft. • Q_{MS}: 2.45 • Q_{ES}: .73 • Q_{TS}: .56 • X_{MAX}: 4.25 mm • Dimensions: A: 8-3/4", B: 7-3/4", C: 2-13/16".

#297-040 \$129.99 LIST **\$116.95** (1-3) **\$110.30** (4-UP)

MW-1075 10" DPC Cone Woofer

Excellent for both 2 and 3-way systems, this 10" woofer features a damped polymer composite cone with a polymer treated foam surround, vented double magnet, and a 3" Hexatech voice coil. Smooth response to 3 kHz with excellent bass reproduction.



Specifications: • Power handling: 180 watts RMS/255 watts max • VC_{DIA}: 3" • Le: .63 mH • Impedance: 8 ohms • Re: 6.3 ohms • Frequency response: 20-1,600 Hz • Fs: 29 Hz • SPL: 89 dB 1W/1m • V_{AS}: 4.35 cu. ft. • Q_{MS}: 2.48 • Q_{ES}: .83 • Q_{TS}: .62 • X_{MAX}: 4.25 mm • Dimensions: A: 10-5/16", B: 9", C: 3-1/8".

#297-045 \$159.99 LIST **\$144.70** (1-3) **\$137.65** (4-UP)