

Speaker Building

Drivers

Morel Acoustics has been producing precision engineered loudspeakers for over 25 years. Their products can be found in some of the world's most discriminating audiophile designs. All Morel tweeters feature hand treated 1-1/8" dome, ferrofluid cooling, and state of the art construction. The woofer drive units incorporate unique, huge diameter voice coils wound with hexagonal aluminum wire, and vented magnet assemblies. All this attention to detail results in drivers with very flat on and off-axis response, excellent transient response, high power handling, and extremely low distortion.



MDT-10 Soft Dome Tweeter

The MDT-10 is a competitively priced unit that features a damped 1-1/8" soft dome, ferrofluid cooling, and gold plated leads. Extended frequency response with very good dynamics results in a very clear and detailed sound.



Specifications: • Power handling: 80 watts RMS/110 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 1,800-25,000 Hz • Fs: 1,000 Hz • SPL: 90 dB 1W/1m • Dimensions: A: 4-1/16", B: 2-7/8", C: 1-1/8".

#277-020 \$34.99 LIST **\$31.30** (1-3) **\$29.50** (4-UP)

MDT-20 Soft Dome Tweeter



The MDT-20 features a hand treated 1-1/8" soft dome, ferrofluid cooling, gold plated leads, and rear chamber loading for a very low resonant frequency and high power handling. Extremely flat frequency response with very smooth roll off.



Specifications: • Power handling: 120 watts RMS/170 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 1,600-25,000 Hz • Fs: 650 Hz • SPL: 90 dB 1W/1m • Dimensions: A: 4-1/8", B: 2-7/8", C: 1-3/4".

#277-030 \$36.99 LIST **\$33.45** (1-3) **\$31.15** (4-UP)

MDT-29/DMS-29 Soft Dome Tweeter

A more cost effective version of the famous MDT-33, the MDT 29 also features a treated 1-1/8" soft dome, ferrofluid cooling, and aluminum voice coil, but without the double magnet system and damped rear chamber. Very smooth on and off-axis frequency response. Also available in a magnetically shielded version, the DMS 29 (#277-011).



Specifications: • Power handling: 80 watts RMS/115 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 1,800-20,000 Hz • Fs: 900 Hz • SPL: 89 dB 1W/1m • Dimensions: A: 3-11/16", B: 2-13/16", C: 1-1/8" (1-1/2" for DMS 29) • Replacement diaphragm #277-012.

#277-010 (MDT-29) \$52.99 LIST **\$47.10** (1-3) **\$45.05** (4-UP)

#277-011 (DMS-29) \$59.99 LIST **\$53.55** (1-3) **\$51.20** (4-UP)

MDT-30S/DMS-30S Soft Dome Tweeter

A Morel classic, the MDT-30S features a single magnet system vented into a damped rear chamber which lowers resonance. Ferrofluid cooled aluminum voice coil contributes to this unit's low distortion and exceptionally smooth response. 1-1/8" treated soft dome. Also available in a magnetically shielded version, the DMS-30S (#277-014).



Specifications: • Power handling: 200 watts RMS/280 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 1,600-25,000 Hz • Fs: 650 Hz • SPL: 90 dB 1W/1m • Dimensions: A: 3-11/16", B: 2-13/16", C: 1-9/16" (2" for DMS 30) • Replacement diaphragm #277-016.

#277-015 (MDT-30S) \$74.99 LIST **\$68.75** (1-3) **\$65.30** (4-UP)

#277-014 (DMS-30S) \$84.99 LIST **\$77.90** (1-3) **\$73.60** (4-UP)

MDT-33 Matched Soft Dome Tweeter Pair

The Morel MDT-33 matched pairs are one of the most respected classic high-end tweeters. With an extremely sweet and extended high-end response, this tweeter is airy without the least bit of harshness. The 1-1/8" soft dome is driven via a double magnet motor with damped rear chamber, and features high density ferrofluid that will not cause a loss of detail. The physical construction is also very impressive with a cast aluminum faceplate and a one-piece metal rear chamber. These tweeters offer exceptional power handling, low distortion, and the ability to handle low crossover points.



Specifications: • Power handling: 200 watts RMS/280 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 1,800-20,000 Hz • Fs: 700 Hz • SPL: 92.5 dB 1W/1m • Dimensions: A: 4-5/16", B: 3", C: 2-5/8" • Replacement diaphragm #277-019.

#277-020 \$299.99 LIST **\$233.50** (1-3) **\$225.85** (4-UP)

MDT-37/DMS-37 Soft Dome Horn Tweeter

The MDT 37 features a hand treated 1-1/8" soft dome, horn loading for higher efficiency, and high dynamic range without compression of SPL. The magnet assembly is vented into a damped rear chamber to lower resonance and to eliminate "honking" at lower frequencies. Ferrofluid cooling provides lower distortion and higher power handling. Also available in a magnetically shielded version, the DMS-37 (#277-047).



Specifications: • Power handling: 200 watts RMS/280 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 1,800-22,000 Hz • Fs: 700 Hz • SPL: 93 dB 1W/1m • Dimensions: A: 3-11/16", B: 2-13/16", C: 2-1/4" • Replacement diaphragm #277-046.

#277-045 (MDT-37) \$71.99 LIST **\$65.15** (1-3) **\$62.35** (4-UP)

#277-047 (DMS-37) \$79.99 LIST **\$73.80** (1-3) **\$70.40** (4-UP)

Neodymium Line

MDT-12 Compact Soft Dome Tweeter

The MDT-12 is a chamberless neodymium design that offers big tweeter performance in an ultra-compact package. Measuring only 3/4" deep, it uses Morel's standard 1-1/8" dome and a powerful neodymium motor for big sound. The ferrofluid in the gap, self-shielded design, and smooth overall response make this tweeter applicable to conventional two-ways and home theater systems.



Specifications: • Power handling: 80 watts RMS/110 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 1,800-25,000 Hz • Fs: 1,000 Hz • SPL: 89 dB 1W/1m • Dimension: A: 2-1/8" x 2-1/8", B: 1-3/4", C: 3/4".

#277-060 \$34.99 LIST **\$31.30** (1-3) **\$29.50** (4-UP)

MDT-22 Compact Soft Dome Tweeter

By adding a rear chamber to the MDT-12, a lower resonance point and superior low-frequency performance are achieved. The tweeter has a very rich and full sound, and can easily accommodate crossover points as low as 2k, making it work great with most woofers. A large diameter 1-1/8" coil on aluminum former immersed in ferrofluid gives this unit good power handling.



Specifications: • Power handling: 80 watts RMS/110 watts max • VC_{DIA}: 1-1/8" • Impedance: 8 ohms • Re: 5.2 ohms • Frequency response: 1,800-25,000 Hz • Fs: 650 Hz • SPL: 89 dB 1W/1m • Dimension: A: 2-1/8" x 2-1/8", B: 1-3/4", C: 2-3/8".

#277-062 \$36.99 LIST **\$33.45** (1-3) **\$31.15** (4-UP)