

# Speaker Building

## Drivers

The Hybrid Series woofers advance the technology of the classic MW drivers by using a combination of neodymium and ceramic magnets in the motor structure. This improves the magnetic strength in the gap for greater control over the voice coil, enhancing their performance and making them more suitable for small ported enclosures. Available in several different cone varieties and coil diameters, the Hybrid woofers are suitable for many different applications. All drivers feature a heavy-duty steel frame and long-life rubber surrounds.



Morel takes their advanced Hybrid motor structure and places it onto a cutting-edge cast alloy frame. This new frame is extremely "open" and provides a reflection-free backwave, while virtually eliminating any excursion noise — it is both functional and aesthetically pleasing. The rest of the features from the Hybrid line carry over to these models, including DPC cones, rubber surrounds, gold-plated terminals, and vented voice coil formers. With the new cast frames and optimized parameters, these drivers can be used in ultra high-end systems.

### H5.1 5" Hybrid Woofer

- DPC cone and dustcap
- 2-1/8" diameter Hexatech voice coil
- Low stray magnetic field

**Specifications:** • Power handling: 150 watts RMS/210 watts max • VC<sub>DIA</sub>: 2-1/8" • Le: .53 mH • Impedance: 8 ohms • Re: 5.6 ohms • Frequency range: 40-4,000 Hz • Fs: 43 Hz • SPL: 88 dB 1W/1m • V<sub>AS</sub>: .78 cu. ft. • Q<sub>MS</sub>: 2.26 • Q<sub>ES</sub>: .46 • Q<sub>TS</sub>: .36 • X<sub>MAX</sub>: 3.5 mm • Dimensions: A: 5-5/8", B: 4-5/8", C: 2-5/8".

#297-060 ..... \$99.99 LIST **\$92.55** (1-3) **\$87.50** (4-UP)



### HU521 5" Cast Frame Woofer

- DPC cone and dustcap
- 2-1/8" diameter Hexatech voice coil
- Ultra-low stray magnetic field

**Specifications:** • Power handling: 160 watts RMS/220 watts max • VC<sub>DIA</sub>: 2-1/8" • Le: .53 mH • Impedance: 8 ohms • Re: 5.6 ohms • Frequency range: 40-5,000 Hz • Fs: 44 Hz • SPL: 88 dB 1W/1m • V<sub>AS</sub>: .57 cu. ft. • Q<sub>MS</sub>: 2.30 • Q<sub>ES</sub>: .40 • Q<sub>TS</sub>: .34 • X<sub>MAX</sub>: 3.5 mm • Dimensions: A: 5-5/8", B: 4-5/8", C: 2-1/2".

#297-070 ..... \$139.99 LIST **\$124.75** (1-3) **\$118.30** (4-UP)

### H5.2 5" Hybrid Woofer

- Damped paper composite cone
- 2-1/8" diameter Hexatech voice coil
- Inverted coated cloth dustcap

**Specifications:** • Power handling: 150 watts RMS/210 watts max • VC<sub>DIA</sub>: 2-1/8" • Le: .53 mH • Impedance: 8 ohms • Re: 5.6 ohms • Frequency range: 40-4,000 Hz • Fs: 43 Hz • SPL: 88 dB 1W/1m • V<sub>AS</sub>: .78 cu. ft. • Q<sub>MS</sub>: 2.26 • Q<sub>ES</sub>: .46 • Q<sub>TS</sub>: .36 • X<sub>MAX</sub>: 3.5 mm • Dimensions: A: 5-5/8", B: 4-5/8", C: 2-5/8".

#297-062 ..... \$99.99 LIST **\$92.55** (1-3) **\$87.50** (4-UP)



### HU531 5" Cast Frame Woofer

- DPC cone and dustcap
- 3" diameter Hexatech voice coil
- Large vented motor structure

**Specifications:** • Power handling: 180 watts RMS/240 watts max • VC<sub>DIA</sub>: 3" • Le: .63 mH • Impedance: 8 ohms • Re: 6.8 ohms • Frequency range: 40-5,000 Hz • Fs: 46 Hz • SPL: 86 dB 1W/1m • V<sub>AS</sub>: .35 cu. ft. • Q<sub>MS</sub>: 1.84 • Q<sub>ES</sub>: .46 • Q<sub>TS</sub>: .37 • X<sub>MAX</sub>: 4.25 mm • Dimensions: A: 5-5/8", B: 4-5/8", C: 2-1/2".

#297-074 ..... \$139.99 LIST **\$127.75** (1-3) **\$121.35** (4-UP)

### H6.1 6" Hybrid Woofer

- Rigid injected DPC cone
- 2-1/8" diameter Hexatech voice coil
- Large diameter spider for clean excursion

**Specifications:** • Power handling: 150 watts RMS/210 watts max • VC<sub>DIA</sub>: 2-1/8" • Le: .45 mH • Impedance: 8 ohms • Re: 5.6 ohms • Frequency range: 35-3,000 Hz • Fs: 40 Hz • SPL: 91 dB 1W/1m • V<sub>AS</sub>: 1.06 cu. ft. • Q<sub>MS</sub>: 2.18 • Q<sub>ES</sub>: .35 • Q<sub>TS</sub>: .32 • X<sub>MAX</sub>: 3.5 mm • Dimensions: A: 6-1/4", B: 5-3/8", C: 2-5/8".

#297-064 ..... \$119.99 LIST **\$106.30** (1-3) **\$101.85** (4-UP)



### HU621 6" Cast Frame Woofer

- Coated, injected DPC cone
- 2-1/8" diameter Hexatech voice coil
- Ultra-low stray magnetic field

**Specifications:** • Power handling: 160 watts RMS/ 220 watts max • VC<sub>DIA</sub>: 2-1/8" • Le: .53 mH • Impedance: 8 ohms • Re: 5.6 ohms • Frequency range: 35-3,000 Hz • Fs: 43 Hz • SPL: 90 dB 1W/1m • V<sub>AS</sub>: .99 cu. ft. • Q<sub>MS</sub>: 2.34 • Q<sub>ES</sub>: .45 • Q<sub>TS</sub>: .38 • X<sub>MAX</sub>: 3.5 mm • Dimensions: A: 6-5/16", B: 5-5/8", C: 2-1/2".

#297-072 ..... \$154.99 LIST **\$143.90** (1-3) **\$136.25** (4-UP)

### H8.1 8" Hybrid Woofer

- DPC cone and dustcap
- 3" diameter Hexatech voice coil
- Large diameter spider and wide-roll surround

**Specifications:** • Power handling: 180 watts RMS/240 watts max • VC<sub>DIA</sub>: 3" • Le: .86 mH • Impedance: 8 ohms • Re: 5.6 ohms • Frequency range: 35-4,000 Hz • Fs: 32 Hz • SPL: 90 dB 1W/1m • V<sub>AS</sub>: 2.30 cu. ft. • Q<sub>MS</sub>: 1.66 • Q<sub>ES</sub>: .36 • Q<sub>TS</sub>: .29 • X<sub>MAX</sub>: 4.25 mm • Dimensions: A: 8-3/4", B: 7-3/4", C: 2-3/4".

#297-066 ..... \$159.99 LIST **\$148.80** (1-3) **\$141.60** (4-UP)



### HU631 6" Cast Frame Woofer

- DPC cone and dustcap
- 3" diameter Hexatech voice coil
- Large vented motor structure

**Specifications:** • Power handling: 180 watts RMS/240 watts max • VC<sub>DIA</sub>: 3" • Le: .63 mH • Impedance: 8 ohms • Re: 6.8 ohms • Frequency range: 20-5,000 Hz • Fs: 44 Hz • SPL: 88 dB 1W/1m • V<sub>AS</sub>: .69 cu. ft. • Q<sub>MS</sub>: 1.81 • Q<sub>ES</sub>: .40 • Q<sub>TS</sub>: .32 • X<sub>MAX</sub>: 4.25 mm • Dimensions: A: 6-5/16", B: 5-5/8", C: 2-1/2".

#297-076 ..... \$159.99 LIST **\$145.95** (1-3) **\$138.40** (4-UP)

### H10.1 10" Hybrid Woofer

- DPC cone and dustcap
- 3" diameter Hexatech voice coil
- Low-profile design, less than 3" mounting depth

**Specifications:** • Power handling: 200 watts RMS/270 watts max • VC<sub>DIA</sub>: 3" • Le: .79 mH • Impedance: 8 ohms • Re: 6.6 ohms • Frequency range: 20-3,000 Hz • Fs: 25 Hz • SPL: 91 dB 1W/1m • V<sub>AS</sub>: 6.75 cu. ft. • Q<sub>MS</sub>: 1.71 • Q<sub>ES</sub>: .43 • Q<sub>TS</sub>: .35 • X<sub>MAX</sub>: 4.25 mm • Dimensions: A: 10-3/8", B: 9", C: 3".

#297-068 ..... \$189.99 LIST **\$173.10** (1-3) **\$164.45** (4-UP)



### HU9.1 9" Cast Frame Woofer

- DPC cone and dustcap
- 3" diameter Hexatech voice coil
- Large spider for long excursion

**Specifications:** • Power handling: 200 watts RMS/270 watts max • VC<sub>DIA</sub>: 3" • Le: .87 mH • Impedance: 8 ohms • Re: 6.6 ohms • Frequency range: 20-3,300 Hz • Fs: 30 Hz • SPL: 89 dB 1W/1m • V<sub>AS</sub>: 2.51 cu. ft. • Q<sub>MS</sub>: 1.71 • Q<sub>ES</sub>: .46 • Q<sub>TS</sub>: .36 • X<sub>MAX</sub>: 4.25 mm • Dimensions: A: 8-3/4", B: 7-3/4", C: 3".

#297-078 ..... \$169.99 LIST **\$157.20** (1-3) **\$149.70** (4-UP)