

# Speaker Building

## Drivers

# Pioneer

### Paper Cone Woofers

The classic line of paper cone woofers from Pioneer feature a long-throw voice coil design for powerful bass output. The paper cone (with special polymer coating on the 6-1/2") and foam surround produce a very natural sound that is perfect for low frequency reproduction.

#### 6-1/2" Paper Woofer

**Specifications:** • Power handling: 60 watts RMS/120 watts max • VCDIA: 1-1/4" • Impedance: 8 ohms • Frequency range: 57-7,000 Hz • SPL: 93 dB 1W/1m • VAS: .53 cu. ft. • XMAX: 1.7 mm • QMS: 7.63 • QES: .23 • QTS: .22 • Fs: 57 Hz • Mfg. #C16LU20-51F • Dimensions: A: 6-1/2", B: 5-1/2", C: 3-1/8".



#290-023 ..... \$19.95 (1-3) \$18.95 (4-UP)

#### 8" Paper Woofer

**Specifications:** • Power handling: 60 watts RMS/120 watts max • VCDIA: 1-1/2" • Impedance: 8 ohms • Frequency range: 40-2,500 Hz • SPL: 93 dB 1W/1m • VAS: 2.0 cu. ft. • XMAX: 1.0 mm • QMS: 2.50 • QES: .29 • QTS: .26 • Fs: 40 Hz • Mfg. #B20FU20-54F • Dimensions: A: 8-1/8", B: 7-1/4", C: 4".



#290-063 ..... \$22.80 (1-3) \$21.50 (4-UP)

#### 10" Paper Woofer

**Specifications:** • Power handling: 60 watts RMS/120 watts max • VCDIA: 1-1/2" • Impedance: 8 ohms • Frequency response: 35-3,500 Hz • Magnet weight: 20 oz. • Fs: 35 Hz • SPL: 94 dB 1W/1m • VAS: 4.41 cu. ft. • XMAX: 2.4 mm • QMS: 2.80 • QES: .30 • QTS: .27 • Mfg. #A25FU20-53F • Dimensions: A: 10-1/8", B: 9-1/4", C: 4-7/8".



#290-083 ..... \$26.50 (1-3) \$23.50 (4-UP)

#### 12" Paper Woofer

**Specifications:** • Power handling: 60 watts RMS/120 watts max • VCDIA: 1-1/2" • Impedance: 8 ohms • Frequency range: 30-2,500 Hz • Fs: 30 Hz • SPL: 95 dB 1W/1m • VAS: 10.21 cu. ft. • XMAX: 2.4 mm • QMS: 2.65 • QES: .36 • QTS: .31 • Mfg. #A30FU20-52F • Dimensions: A: 12-1/8", B: 10-7/8", C: 5-3/8".



#290-105 ..... \$33.50 (1-3) \$30.80 (4-UP)

#### 15" Paper Woofer

**Specifications:** • Power handling: 100 watts RMS/200 watts max • VCDIA: 2" • Impedance: 8 ohms • Frequency range: 20-3,000 Hz • SPL: 96 dB 1W/1m • VAS: 28.23 cu. ft. • XMAX: 3.8 mm • QMS: 2.44 • QES: .27 • QTS: .25 • Fs: 20 Hz • Mfg. #A38GU40-52F-Q • Dimensions: A: 15-3/8", B: 14", C: 6-1/2".



#290-175 ..... \$49.95 (1-3) \$46.75 (4-UP)

### 10" Musical Instrument Speaker

Ribbed paper cone with treated cloth accordion surround. Vented pole piece for heat dissipation and reduced distortion. Perfect replacement for many P.A. and musical type speakers.



**Specifications:** • Power handling: 100 watts RMS/140 watts max • VCDIA: 2" • Impedance: 8 ohms • Frequency response: 30-3,000 Hz • Magnet weight: 40 oz. • Fs: 30 Hz • SPL: 96 dB 1W/1m • VAS: 5.8 cu. ft. • XMAX: 3.3 mm • QMS: 1.08 • QES: .18 • QTS: .15 • Mfg. #A25GC40-51F-Q • Dimensions: A: 10-1/8", B: 9-1/4", C: 5".

#290-094 ..... \$41.50 (1-3) \$38.50 (4-UP)

### 12" Musical Instrument Speaker

Ribbed paper cone with treated cloth accordion surround. Vented pole piece for heat dissipation and reduced distortion. Perfect replacement for many P.A. and musical type speakers.



**Specifications:** • Power handling: 150 watts RMS/210 watts max • VCDIA: 2" • Impedance: 8 ohms • Frequency response: 50-5,000 Hz • Magnet weight: 50 oz. • Fs: 50 Hz • SPL: 96 dB 1W/1m • VAS: 3.56 cu. ft. • XMAX: 3.3 mm • QMS: 3.62 • QES: .49 • QTS: .43 • Mfg. #A30GC50-52FQ • Dimensions: A: 12-1/8", B: 10-7/8", C: 5-1/8".

#290-142 ..... \$49.95 (1-3) \$46.85 (4-UP)

### 15" Musical Instrument Speaker

Paper cone with treated cloth accordion surround. Vented pole piece for heat dissipation and reduced distortion. Perfect replacement for many P.A. and musical type speakers.



**Specifications:** • Power handling: 150 watts RMS/210 watts max • VCDIA: 2" • Impedance: 8 ohms • Frequency response: 40-5,000 Hz • Magnet weight: 50 oz. • Fs: 40 Hz • SPL: 96 dB 1W/1m • VAS: 8.51 cu. ft. • XMAX: 3.3 mm • QMS: 4.09 • QES: .69 • QTS: .59 • Mfg. #A38GC50-54FQ • Dimensions: A: 15-3/8", B: 14", C: 6-1/4".

#290-177 ..... \$64.80 (1-3) \$59.90 (4-UP)

### 8" Pioneer Full Range Speaker

Paper cone with poly foam surround. Incorporates a center whizzer cone. Recommended for sound reinforcement or single component cabinets where a wider frequency coverage pattern is required.



**Specifications:** • Power handling: 60 watts RMS/85 watts max • VCDIA: 1" • Impedance: 8 ohms • Frequency response: 36-17,000 Hz • Magnet weight: 20 oz. • Fs: 36 Hz • SPL: 94 dB 1W/1m • VAS: 3.25 cu. ft. • XMAX: 3.0 mm • QMS: 1.79 • QES: .29 • QTS: .25 • Mfg. #B20FU20-51FW • Dimensions: A: 8-1/8", B: 7-1/4", C: 4-1/8".

#290-045 ..... \$24.50 (1-3) \$21.75 (4-UP)

### 8" Pioneer Coaxial Speaker

Paper cone with poly foam surround. 2-1/2" tweeter. Full range coaxial offers great fidelity and sound. Perfect for P.A. and ceiling type applications.



**Specifications:** • Power handling: 35 watts RMS/50 watts max • VCDIA: 1" • Impedance: 8 ohms • Frequency response: 50-18,000 Hz • Magnet weight: 10 oz. • Fs: 50 Hz • SPL: 94 dB 1W/1m • VAS: 2.83 cu. ft. • XMAX: 1.0 mm • QMS: 2.51 • QES: .61 • QTS: .49 • Mfg. #B20EC82-51FX-Q • Dimensions: A: 8-1/8", B: 7-1/4", C: 3-1/2".

#290-057 ..... \$21.80 (1-3) \$19.50 (4-UP)