



## Reference Series Subwoofers

As with the other Reference Series drivers, the main focus of these subwoofers is ultra-low-distortion. Second, third, and intermodulation distortion are kept extremely low by utilizing three short-circuit paths within the motor structure. The two different versions allow you to choose the one that best suits your application.

### High Fidelity

- 2-layer coils for reduced back EMF
- Optimized for larger enclosures
- Lighter-weight aluminum cones for less moving mass
- Extensively vented motor eliminates compression and allows quiet excursion

#### RSS210HF-4 8" Reference HF Subwoofer

**Specifications:** • Power handling: 280 watts RMS/480 watts max • VC<sub>DIA</sub>: 2" • Le: .95 mH • Impedance: 4 ohms • Re: 3.3 ohms • Frequency range: 22-1,000 Hz • Fs: 22 Hz • SPL: 87 dB 2.83V/1m • V<sub>AS</sub>: 2.12 cu. ft. • Q<sub>MS</sub>: 2.80 • Q<sub>ES</sub>: .45 • Q<sub>TS</sub>: .39 • X<sub>MAX</sub>: 11 mm • Dimensions: A: 8-1/2", B: 7-1/4", C: 4-3/4".

**#295-456** ..... \$125.99 LIST **\$96.52** (1-3) **\$91.93** (4-UP)

#### RSS265HF-4 10" Reference HF Subwoofer

**Specifications:** • Power handling: 350 watts RMS/600 watts max • VC<sub>DIA</sub>: 2-1/2" • Le: .95 mH • Impedance: 4 ohms • Re: 3.3 ohms • Frequency range: 22-1,000 Hz • Fs: 22 Hz • SPL: 87 dB 2.83V/1m • V<sub>AS</sub>: 2.12 cu. ft. • Q<sub>MS</sub>: 2.80 • Q<sub>ES</sub>: .45 • Q<sub>TS</sub>: .39 • X<sub>MAX</sub>: 14 mm • Dimensions: A: 10-1/2", B: 9-1/4", C: 5".

**#295-460** ..... \$163.99 LIST **\$125.79** (1-3) **\$119.80** (4-UP)

#### RSS315HF 12" Reference HF Subwoofers

**RSS315HF-8:** • Power handling: 400 watts RMS/700 watts max • VC<sub>DIA</sub>: 2-1/2" • Le: 1.71 mH • Impedance: 8 ohms • Re: 6.9 ohms • Frequency range: 25 - 1,000 Hz • Fs: 25 Hz • Magnet weight: 150 oz. • SPL: 86 dB 2.83V/1m • V<sub>AS</sub>: 2.75 cu. ft. • Q<sub>MS</sub>: 3.12 • Q<sub>ES</sub>: .58 • Q<sub>TS</sub>: .49 • X<sub>MAX</sub>: 12.3 mm • Dimensions: A: 12-3/8", B: 11-1/8", C: 5-3/8".

**RSS315HF-4:** • Power handling: 400 watts RMS/700 watts max • VC<sub>DIA</sub>: 2-1/2" • Le: .95 mH • Impedance: 4 ohms • Re: 3.3 ohms • Frequency range: 23-1,000 Hz • Fs: 23 Hz • SPL: 89 dB 2.83V/1m • V<sub>AS</sub>: 3.00 cu. ft. • Q<sub>MS</sub>: 3.00 • Q<sub>ES</sub>: .52 • Q<sub>TS</sub>: .44 • X<sub>MAX</sub>: 14 mm • Dimensions: A: 12-3/8", B: 11-1/8", C: 5-3/8".

**#295-444** (RSS315HF-8)

**#295-464** (RSS315HF-4) ..... \$179.99 LIST **\$138.24** (1-3) **\$131.66** (4-UP)

#### RSS390HF-4 15" Reference HF Subwoofer

**Specifications:** • Power handling: 500 watts RMS/800 watts max • VC<sub>DIA</sub>: 2-1/2" • Le: 1.00 mH • Impedance: 4 ohms • Re: 3.3 ohms • Frequency range: 18-800 Hz • Fs: 18 Hz • SPL: 90 dB 2.83V/1m • V<sub>AS</sub>: 9.55 cu. ft. • Q<sub>MS</sub>: 3.10 • Q<sub>ES</sub>: .49 • Q<sub>TS</sub>: .42 • X<sub>MAX</sub>: 14 mm • Dimensions: A: 15-5/16", B: 14-1/8", C: 6-1/8".

**#295-468** ..... \$207.99 LIST **\$159.80** (1-3) **\$151.90** (4-UP)

### High Output

- 4-layer high-temperature coils for maximum power handling
- Stiffer suspensions for greater mechanical control
- Heavy-gauge aluminum cones withstand pressures of small enclosures
- Triple shorting-ring motor for ultra-low distortion

#### RSS265HO-4 10" Reference HO Subwoofer

**Specifications:** • Power handling: 600 watts RMS/1,000 watts max • VC<sub>DIA</sub>: 2-1/2" • Le: 1.75 mH • Impedance: 4 ohms • Re: 3.4 ohms • Frequency range: 24-600 Hz • Fs: 24 Hz • SPL: 87 dB 2.83V/1m • V<sub>AS</sub>: 1.20 cu. ft. • Q<sub>MS</sub>: 4.20 • Q<sub>ES</sub>: .36 • Q<sub>TS</sub>: .33 • X<sub>MAX</sub>: 12 mm • Dimensions: A: 10-1/2", B: 9-1/4", C: 5".

**#295-462** ..... \$163.99 LIST **\$125.79** (1-3) **\$119.80** (4-UP)

## REFERENCE

S E R I E S



# Speaker Building

## Drivers

#### RSS315HO-4 12" Reference HO Subwoofer

**Specifications:** • Power handling: 700 watts RMS/1,200 watts max • VC<sub>DIA</sub>: 2-1/2" • Le: 1.75 mH • Impedance: 4 ohms • Re: 3.4 ohms • Frequency range: 26-600 Hz • Fs: 26 Hz • SPL: 88 dB 2.83V/1m • V<sub>AS</sub>: 1.62 cu. ft. • Q<sub>MS</sub>: 4.00 • Q<sub>ES</sub>: .44 • Q<sub>TS</sub>: .40 • X<sub>MAX</sub>: 12 mm • Dimensions: A: 12-3/8", B: 11-1/8", C: 5-3/8".

**#295-466** ..... \$179.99 LIST **\$138.24** (1-3) **\$131.66** (4-UP)

#### RSS390HO-4 15" Reference HO Subwoofer

**Specifications:** • Power handling: 800 watts RMS/1,400 watts max • VC<sub>DIA</sub>: 2-1/2" • Le: 1.90 mH • Impedance: 4 ohms • Re: 3.3 ohms • Frequency range: 21-600 Hz • Fs: 21 Hz • SPL: 90 dB 2.83V/1m • V<sub>AS</sub>: 4.60 cu. ft. • Q<sub>MS</sub>: 4.10 • Q<sub>ES</sub>: .41 • Q<sub>TS</sub>: .37 • X<sub>MAX</sub>: 12 mm • Dimensions: A: 15-5/16", B: 14-1/8", C: 6-1/8".

**#295-469** ..... \$207.99 LIST **\$159.80** (1-3) **\$151.90** (4-UP)



### Reference Series Tweeters and Midrange

#### RS28F-4 1-1/8" Silk Dome Tweeter

**NEW**

- 1-1/8" silk dome provides articulate yet non-fatiguing HF reproduction
- Tuned rear chamber supports low, low crossover points
- High flux density/low-distortion motor system

The RS28F-4 incorporates an optimized silk diaphragm that combines low mass, superb damping, and a carefully calculated dome profile.

**Specifications:** • Power handling: 100 watts RMS/150 watts max (with appropriate crossover) • VC<sub>DIA</sub>: 1-1/8" • Impedance: 4 ohms • Re: 3.0 ohms • Frequency range: 1,600-20,000 Hz • Fs: 541 Hz • SPL: 88 dB 1W/1m • Dimensions: A: 4-1/8", B: 3-1/4", C: 1-3/4".

**#275-140** ..... \$63.99 LIST **\$48.65** (1-3) **\$44.47** (4-UP)

**#275-142** (RS28F-4RD silk replacement diaphragm) ..... \$31.99 LIST **\$23.92** (1-3) **\$21.57** (4-UP)



#### RS28A-4 1-1/8" Aluminum Dome Tweeters

- Tuned rear chambers for a great low-end response
- Low-distortion motor system
- Shielded and non-shielded versions

These tweeters feature unique black anodized 1-1/8" aluminum diaphragms, cast aluminum faceplates and state-of-the-art motor systems to provide extremely clean, detailed, and uncolored sound.

**RS28A-4 (non-shielded):** • Power handling: 100 watts RMS/150 watts max (with appropriate crossover) • VC<sub>DIA</sub>: 1-1/8" • Impedance: 4 ohms • Re: 3.0 ohms • Frequency range: 1,600-20,000 Hz • Fs: 600 Hz • SPL: 91 dB 2.83V/1m • Dimensions: A: 4-1/8", B: 3-1/4", C: 1-3/4". Replacement diaphragm 275-132.

**RS28AS-4 (shielded):** All specs the same except: • Fs: 800 Hz.

**#275-130** (RS28A-4 non-shielded) ..... \$63.99 LIST **\$48.65** (1-3) **\$44.47** (4-UP)

**#275-135** (RS28AS-4 shielded) ..... \$72.99 LIST **\$55.87** (1-3) **\$49.88** (4-UP)

**#275-132** (RS28A-4RD replacement diaphragm) ..... \$25.99 LIST **\$19.76** (1-3) **\$16.54** (4-UP)



#### RS52AN-8 2" Aluminum Dome Midrange

- Copper clad motor reduces distortion
- Large damped rear chamber
- 2" aluminum diaphragm
- Neodymium magnet

This dome midrange delivers excellent off-axis response and midrange performance. High quality construction includes a cast aluminum faceplate, metal grill, vented former, and copper clad pole piece.

**Specifications:** Power handling: 60 watts RMS/90 watts max • VC<sub>DIA</sub>: 2" • Impedance: 8 ohms • Re: 5.4 ohms • Frequency range: 500-7,000 Hz • Fs: 325 Hz • SPL: 91 dB 2.83V/1m • Dimensions: A: 5-1/8", B: 4-1/8", C: 2-1/8".

**#285-020** ..... \$53.99 LIST **\$40.78** (1-3) **\$38.83** (4-UP)

