



## **TECHNICAL SPECIFICATIONS A.V.C. SPECIALISTS, INC. MODEL SR-A1 RAPPER**

### **INSTALLATION OPTIONS:**

#### Orientation:

Can be mounted either vertically or horizontally.

Can also be mounted in an inverted position for hopper side walls.

#### Mounting Options:

2" diameter steel or insulating shaft with 3.5° male taper is standard.

Other mounting styles and adapters are available.

### **PERFORMANCE CHARACTERISTICS:**

#### Rapping Energy:

Can be varied from 0 to 25 ft-lb.

#### Rapping Frequency:

Can be adjusted from a single rap to 5 raps per second at maximum impact or 8 raps per second at minimum impact.

#### Ambient Temperature Range:

-40° to +70°C.

### **ELECTRICAL REQUIREMENTS:**

Input Voltage: 120-240 volts DC, full-wave rectified, pulsed.

Peak Current: 15 amps DC.

Pulse Width: 25 to 200 milliseconds depending on impact desired and applied voltage.

### **CONSTRUCTION:**

#### Outer Case:

Electrically-welded steel tubing, 0.095" wall thickness.

Surfaces treated with zinc phosphate prior to assembly.

#### Coil Assembly:

Heavy gauge copper magnet wire with flexible end connections wet-wound around a fiberglass sleeve and encapsulated with epoxy-based electrical casting resin.

Insulation system tested for 1,000 megohms at 2,500 volts.

#### Terminations:

Two non-polarized coil terminals and one ground terminal.