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ASPHALT VIBRATORY COMPACTOR



The Asphalt Vibratory Compactor (AVC) is designed to form rectangular and cylindrical test specimens used for evaluating the susceptibility of permanent deformation (rutting), fatigue cracking, and moisture damage of asphalt mixes. The AVC compacts specimens at the same amplitude, same frequency, and same relative weight that a contractor experiences with a vibratory compactor on the roadway.

Overall Dimensions:

Width: 86.73 cm (34 inches)
Length: 155.61 cm (61 inches)
Height: 206.63 cm (81 inches)
Weight: 1063.00 kg (2350 lbs.)



Control Panel

**Pavement Technology Inc. 7129 Wheat Street NE Covington, GA 30014
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Electrical Requirement:

240 VAC, 60HZ, 40 Amp, Single Phase – 4-wire, NEMA#L14-20

Compressed Air Requirement:

8 SCFM @ 827 Kpa (120PSI)

AVC Basic Components:

- 1) **Compactor Assembly**
- 2) **Vibratory Compactor Unit**
- 3) **Sliding Tray For Sample Loading/Unloading**
- 4) **Specimen Extractor**
- 5) **Controls**

1) **Compaction Assembly:**

1a) Rigid steel frame construction mounted on noise absorbing supports and isolators.

2) **Vibratory Compaction Unit**

2a) Compactor with rectangular and cylindrical compaction head, with (2) Vibco Vibratory Motors capable of exerting pressure up to 22 psi with frequency of 3600 rpm and force of 2450 lbs.

3) **Sample Tray for Sample Loading/Unloading**

3a) Manual slide tray for sample accessibility.

3b) Two (2) steel molds, one (1) each for fabricating rectangular and cylindrical specimens.

4) **Specimen Extractor**

4a) Air cylinder to extract compacted specimen.

5) **Controls**

5a) Remote control for initializing Vibratory compaction unit.

5b) Remote control for specifying a predetermined compaction time.

5c) Specimen height-control device.

5d) Main Power Switch

5e) Specimen Ejection Switch