

45 Asphalt - Design and Testing of Bituminous Mixtures

Automatic Compaction

The use of automatic compaction will result in consistent and repeatable laboratory specimens. Testing houses and design consultants who use the Marshall method of mix design will benefit from automatic compaction apparatus, which releases staff for other work during the compaction process.

AutoComp 100-A

EN 12697-10, -30

- ◆ Fully automatic, simple to operate
- ◆ Built-in safety features
- ◆ Uniform compaction
- ◆ Automatic blow counter

This ruggedly constructed automatic compactor provides a consistent and even degree of compaction. The unit incorporates a compaction pedestal comprising a laminated hardwood block secured to a concrete base by a 300 mm square x 25 mm thick steel plate. The mechanism lifts the 4535 g hammer and automatically releases it at the specified height of 457 mm.

The conveniently positioned control fascia panel comprises of a mains light, start and stop buttons and a direct-reading counter used to set the required number of blows. During operation the AutoComp 100-A automatically counts down to zero. Dual rammer pick-ups have been incorporated, reducing stress on the machine's internal mechanism.

Particular attention has been paid to operator safety by the inclusion of various in-built safety features.

Specification	
Dimensions (l x w x h)	535 x 535 x 1880 mm
Compaction foot diameter	98.52 mm
Sliding weight	4535 g
Height of drop	457 mm
Weight	278 kg

Ordering Information

EL45-6600/01 AutoComp 100-A as specified.
For 220 – 240 V AC, 50 Hz, 1 ph.

Accessories

Compaction Mould see EL45-6310

Paper Discs see EL45-6462

Steel Block see EL45-6463

