

Automatic Soil Compactor

TS-0650 Automatic Soil Compactor is designed to compact specimens automatically and uniformly, assuring conformity with the above listed international standards. The principle of the design is to allow the hammer to drop from the required height into the soil within the mould which rotates circularly to distribute the blows uniformly over the surface of the specimen in the mould. The drop height is adjustable to 300 mm, 305 mm, 450 mm and 457 mm. The rammer is circular faced and is interchangeable for 50 mm or 50.8 mm diameters. Rammer weight is also adjustable to 2.5 kg or 4.5 kg according to reference standard. When compacting 100 mm diameter specimens, the unit operates on a single radius. When compacting 150 mm diameter specimens, the unit operates on the inner and outer radius to obtain even compaction. The number of blows per layer can be set at the beginning of the compaction process via the digital counter according to the standard preferred by user. This automatic blow pattern ensures effective and equal compaction for each layer of soil by rotating the base table, so the mould, in equal steps and travelling the rammer across the mould. User defined blow number and in-out distribution is also available.

Standard

- ASTM D558
- ASTM D559
- ASTM D560
- ASTM D698
- ASTM D1557
- ASTM D1883
- EN 13286-2
- EN 13286-47
- BS 1377:4
- AASHTO T99
- AASHTO T134
- AASHTO T135
- AASHTO T136
- AASHTO T180
- AASHTO T193
- NLT 107/98
- NLT 108/91
- NLT 111/87

Compactor is equipped with programmable digital counter which allows the machine:

- To select reference standard (number of blows and mould size) by the operator at the beginning of the test
- To set desired compaction cycle (number of blows and count of the number of inner and outer drops) by user

The Automatic Soil Compactor is supplied complete with:

- ASTM/EN/BS Rammer
- ASTM Rammer Face, Ø 50.8 mm
- EN/BS Rammer Face, Ø 50 mm

Specifications

Technical specifications are subject to change without notice.

Rammers

EN / BS

Circular faced, 50 mm dia. Adjustable to 2.5 kg or 4.54 kg weight

ASTM

Circular faces, 50.8 mm dia. Adjustable to 2.5 kg or 4.54 kg weight

Drop Height

BS Adjustment to 300 mm to 450 mm

ASTM / AASHTO / EN Adjustable to 305 mm or 457 mm

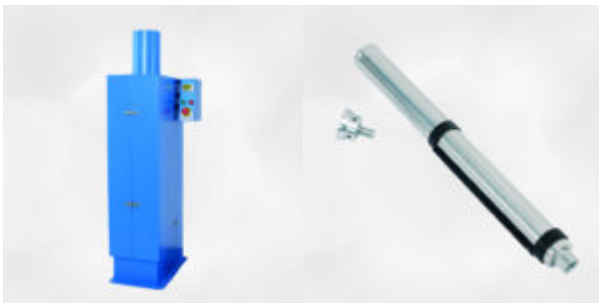
Dimensions mm

650 x 550 x 1550 Weight (approx.) Kg 150

Power W

370

Product Gallery:



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