

## DATA SHEET

# Proctor/CBR Automatic Compactor to ASTM/AASHTO



## General description

The automatic compactor provides a fully automatic and uniform compaction of specified effort, thus ensuring repeatable test results and eliminating any operator fatigue during the tests. Conforming to ASTM and AASHTO Standards, this microprocessor-controlled soil compaction tester is designed for 4" and 6" moulds. The end of each layer compaction is indicated by a visual and acoustic signal.

The machine is supplied complete with all relevant accessories as: 50.8 mm circular face for 4" diameter specimen and interchangeable sector face (triangular face) for 6" diameter specimens, and a rammer weights (2495/4535 g) that are easily interchangeable according to the reference standard.

The wide control display and panel are connected with a shock absorber system and can be tilted according to user comfort.

The software gives the possibility to program customized sequences allowing the user to set the rotation angle from 5° to 90° with 5° steps between two subsequent blows, granting a precise and uniform blows distribution.

The rotating base has screw clamping system for the moulds locking.

Two doors, one blind frontal and one transparent lateral, ensure comfortable access to a wide test area and gives free view during test running.

The soil automatic compactor can be supplied with noise reduction cabinet (see accessories).

This is a CVI-Tech product: best value drives the innovation.

## Main features

- Automatic programmable compactor to Standards ASTM and AASHTO
- Graphic display showing test progress in real time
- Possibility to program up to 3 user defined compaction cycles and sequences
- Rammer with both head and weights included
- Unique rammer lifting device to guarantee correct and longlife drop height
- All safety features as protection guards and emergency button included as standard
- Lateral transparent panel ensures free view on the compaction evolution
- Double doors for free access to wide test area
- Noise reduction cabinet is available (see accessories)

## Standards

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- AASHTO T193
- ASTM D1883
- ASTM D698
- ASTM D558
- ASTM D1557
- AASHTO T99
- AASHTO T180

## Specifications

Models	33-T3612 33-T3613 33-T3614
Mould/specimen dia.	4" and 6"
Rammer face dia.	50.8 mm.
Rammer weight (interchangeable conforming to Standards, see table below)	2.495/4.535 kg
Rammer drop (adjustable conforming to Standards)	305 and 457 mm
Blow rate	25 blows/min, approx.
CE protection	Included
Power rating	650 W approx.
Overall dimensions (wxdxh)	457x455x1390 mm
Weight approx.:	130 kg

## Products

### 33-T3612

Automatic Proctor-CBR compactor, according to ASTM/AASHTO Standards for 4" and 6" diameter moulds. Rammer Kit included. 230V/50hz/1ph Safety door system conforming to CE Directive included and clear transparent window.

### 33-T3613

Automatic Proctor-CBR compactor, according to ASTM/AASHTO Standards for 4" and 6" diameter moulds. Rammer Kit included. 220V/60hz/1ph Safety door system conforming to CE Directive included and clear transparent window.

### 33-T3614

Automatic Proctor-CBR compactor, according to ASTM/AASHTO Standards for 4" and 6" diameter moulds. Rammer Kit included. 110V/60hz/1ph Safety door system conforming to CE Directive included and clear transparent window.

## Accessories and consumables

### 33-T3000/CB

Noise reduction cabinet for CBR-Proctor compactor model 33-T351x, 33-T361x and sieve shaker model 15-D0410.