UNIVERSAL PROCTOR/CBR AUTOMATIC COMPACTORS

CONTROLS Proctor/CBR universal compactor automatically performs programmable and uniform compaction cycles in full conformance to all standards. Users can automatically set dropping height with high precision. This eliminates inconsistencies in test data generated by manual adjustments and guarantees accurate and reliable results every time.

Multi-standards

Universal and fully automatic universal compactor matching all Standards EN, ASTM, AASHTO, AS, BS, NF, AS, and others, including central stroke.

Superior accuracy

The Proctor/CBR universal compactor continuously measures and adjusts the dropping height at each stroke during compaction. Equipped with a robust kit rammer, high precision compaction is maintained throughout the whole compacting path.

Fully automatic and versatile

Dropping height is set from the digital display without the need for any manual adjustments. The mold fixing system uses a quick release clamping mechanism compatible with CONTROLS and most brands of CBR/Proctor molds*.

Optimal user interface

The user-friendly interface boasts a high-resolution color graphical display 128 by 80 pixels as well as a membrane keyboard. You can access pre-stored test procedures in multiple languages plus tailor test methods according to your needs.

Ergonomic and safe

This fully CE compliant machine features a double door system with see-through panels that provides a clear view and easy access to the testing chamber during compaction. If doors accidentally open, a safety switch will automatically stop the machine plus a STOP button is also close at hand in case of emergency.

Total functionality and easy operation

The machine is supplied with a universal impact rammer (50 mm and 2”dia.) that can be swapped in a few seconds. Adjusting the supplied weight is equally easy and can be done in one single operation.

A noise reduction steel cabinet with double top-and-front opening system and lined internally with soundproofing material is available on request.

** Please check with our sales department prior to ordering*

UNIVERSAL PROCTOR/CBR AUTOMATIC COMPACTORS

SPECIFICATION

Models	**33-T3712** **33-T3713** **33-T3714**
Mould/specimen dia.	100 to 152.4 mm (4” and 6”)
Rammer face dia. (Interchangeable conforming to Standards, see table below)	Circulal 50 and 2" (50.8 mm)
Rammer weight (interchangeable conforming to Standards, see table below)	2.49, 2.50, 2,70* kg 4.50, 4.54, 4,90* kg
Rammer dropping height (digitally set conforming to Standards, see table)	300, 305, 450, 457 mm
Blow rate	30 strokes / min
Safety features	Compliant with CE directives
Power rating	650 W approx.
Overall dimensions (wxdxh)	494 x 595 x 2500 mm
Weight approx.:	150 kg

* Available with the upgrade kit 33-T3712/AU

Rammer application guide.

The following table summarizes all the Standard requirements. This model can surely satisfy other National Standards too.

Standards	Rammer face dia.	Rammer weight	Rammer drop height
ASTM D698	50.8 mm	2.49 kg	304.8 mm
ASTM D558	50.8 mm	2.49 kg	304.8 mm
ASTM D1557	50.8 mm	4.54 kg	457.2 mm
ASTM D1883	50.8 mm	2.49 kg 4.54 kg	304.8 mm 457.2 mm
AASHTO T99	50.8 mm	2.49 kg	305 mm
AASHTO T180	50.8 mm	4.54 kg	457 mm
AASHTO T193	50.8 mm	2.49 kg 4.54 kg	305 mm 457 mm
EN 13286-2 EN 13286-47 NF P94-093	50 mm	2.50 kg 4.50 kg	305 mm 457 mm
BS 1377:4	50 mm	2.50 kg 4.50 kg	300 mm 450 mm
AS 1289.5.1.1	50 mm	2.70 kg	300 mm
AS 1289.5.2.1	50 mm	4.90 kg	450 mm

STANDARDS

- AASHTO T193
- ASTM D1883
- ASTM D698
- BS 1377:4
- NF P94-093
- ASTM D558
- ASTM D1557
- AASHTO T99
- AASHTO T180
- UNE 103-500
- EN 13286-47
- EN 13286-2
- AS 1289.5.2.1
- AS 1289.5.1.1

FEATURES

- Easy reference Standard software setting
- More than 30 tailored compaction cycles programmable by the user
- Automatic dropping height set by controller with no need for manual adjustments

- Dropping height’s continuous monitoring during compaction
- Automatic real-time adjustment delivering high precision throughout the whole compacting path
- Dropping height precision better than Standards’ recommendations — from beginning to end of compacting path
- Robust long-lasting transmission suitable for intensive use
- 30 strokes / min
- Safety guards and emergency stop button included
- Compatible with mould dia. 100 to 152.4 mm (4” and 6”)
- Universal impact rammer including circular dia. 50 mm and 2”
- Quick and easy rammer swap and weight adjustment
- Noise reduction cabinet available on request
- Upgrading kit for Australian Standards available on reques

ACCESSORIES

33-T3712/AU

Upgrading kit for Australian Standard AS 1289.5.1.1 and AS 1289.5.2.1

33-T3712/CB

Noise reduction cabinet for CBR-Proctor universal compactor series 33-T371x

ORDERING CODE

33-T3712

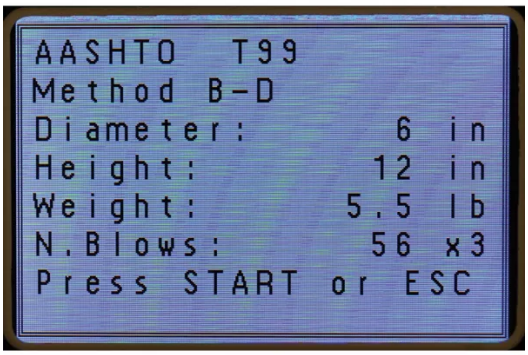
Universal Fully Automatic programmable Proctor/CBRcompactor for specimens from 100 mm - 4" to 150 mm- 6" mm diameter, conforming to EN, ASTM, AASHTO, BS, NF, AS and major international Standards. Universal rammer kit included. 230 V, 50 Hz, 1 ph

33-T3713

Universal Fully Automatic programmable Proctor/CBRcompactor for specimens from 100 mm - 4" to 150 mm- 6" mm diameter, conforming to EN, ASTM, AASHTO, BS, NF, AS and major international Standards. Universal rammer kit included. 220 V, 60 Hz, 1 ph

33-T3714

Universal Fully Automatic programmable Proctor/CBRcompactor for specimens from 100 mm - 4" to 150 mm- 6" mm diameter, conforming to EN, ASTM, AASHTO, BS, NF, AS and major international Standards. Universal rammer kit included. 110 V, 60 Hz, 1 ph


AASHTO T99
Method B-D
Diameter: 6 in
Height: 12 in
Weight: 5.5 lb
N.Blows: 56 x3
Press START or ESC