SOIL > MOISTURE-DENSITY RELATIONSHIP

SOIL COMPACTOR - ASTM (Automatic)

Code : T055 (ASTM)



- The Automatic Soil Compactor is used to determine the relationship between molding water content and dry unit weight of soils, enabling accurate determination of optimum moisture content and maximum dry density.
- Capable of performing both Standard and Modified Proctor compaction tests, the unit ensures precise, uniform compaction aligned with ASTM, AASHTO, and EN testing requirements.
- The ASTM model is equipped with a programmable digital counter, which automatically stops operation upon reaching the pre-set number of blows, enhancing repeatability, operational safety, and workflow efficiency.
- The EN model features a 7" digital touch screen control unit, allowing customized programming of blows across different mould zones (outer, middle, center), offering superior accuracy and control over compaction distribution per EN and related standards.
- Compatible with both 4" (100 mm) and 6" (150 mm) diameter molds, making it suitable for a wide range of soil classifications and laboratory testing protocols.

- The rotating base ensures even distribution of compaction energy, eliminating inconsistencies and improving specimen integrity.
- Adjustable rammer weights and drop heights support compliance with multiple standards, enhancing the machine's adaptability to varied testing requirements.
- Built with premium materials and long-lasting mechanical components, the unit delivers reliable operation and reduced maintenance over extended service life.
- Noise-Reduction Cabinet and Moulds should be ordered separately

STANDARDS

ASTM D558 • ASTM D698 • ASTM D1557 • ASTM D1883 • EN 13286-2 • EN 13286-47 • AASHTO T99 • AASHTO T180 • AASHTO T193 • BS 1377-4

TECHNICAL SPECIFICATIONS

- Mold Compatibility: 4" (100 mm) and 6" (150 mm) diameter molds
- Power Supply: 220 - 240 V / 50 or 60 Hz

Rammer	Parameter	ASTM	EN
Standard Rammer	Diameter	2" (50.8 mm)	50 mm
	Drop Height	12" (304.8 mm)	305 mm
	Weight	5.5 lb (2.495 kg)	2.50 kg
Modified Rammer	Circular	Ø 2" (50.8 mm)	Ø 50 mm
	Sector Face	Ø 2.9" (73.7 mm)	N/A
	Drop Height	18" (457.2 mm)	457 mm
	Weight	10 lb (4.5364 kg)	4.50 kg

EQUIPPED WITH

- Programmable Digital Counter (ASTM version)
- 7" Touch Screen Controlling Unit (EN version)
- Transparent Safety Door
- Rotating Base for Uniform Compaction

SUPPLIED WITH

- Standard Rammer (ASTM and EN Versions)
- Modified Rammer with Circular Face (ASTM and EN Versions)
- Modified Rammer with Sector Face (Only ASTM Version)

ORDERING INFORMATION

Item Name	Item Code
AUTOMATIC SOIL COMPACTOR - ASTM [60 Hz]	T055A00AK
AUTOMATIC SOIL COMPACTOR - ASTM [50 Hz]	T055A00AT
AUTOMATIC SOIL COMPACTOR - EN	T055A00EU
NOISE-REDUCTION and SAFETY CABINET for T-055/ASTM	T055P001H
TURNABLE BASE with STEPPER MOTOR for T055 (ASTM Model)	T055P002H
RUBBER WEDGE - Complete for T055 (EN Model)	T055P003H
SPARE GEAR BOX for T055 (ASTM Model)	T055P004H
SPARE HAMMER for T055 (ASTM Model)	T055P005H
ELECTRONIC CONTROLLING UNIT for T055 (EN Model)	T055P006H

SPARE HAMMER SPRING for T055 (EN Model)	T055P007H
TURNABLE BASE with STEPPER MOTOR for T055 (EN Model)	T055P008H
ELECTRONIC BOARD (PCB) for T055 - ASTM	T055P009H
ASTM STANDARD RAMMER for T055A00EU	T055P010H

OTHER PHOTOS

