

# H-4169

## Automatic Mechanical Compactor



### Supported standards:

ASTM D1557, ASTM D1883, ASTM D5102, ASTM D558, ASTM D560, ASTM D698, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T180

### Description:

The Mechanical Compactor automatically compacts and rotates mold after each blow while keeping track of the number of hammer blows and shutting off once a preset number of blows is reached. The start/stop function of the compactor is independent of the counter.

The unit can be used to perform standard or modified compaction tests using a 5.5 lb. (2.5kg) hammer with 12" (305mm) height of drop or a 10 lb. (4.5kg) hammer with 18" (457mm) drop. Hammer lift compensates the height of the drop for soil thickness in the mold during compaction. Hammer weight is concentrated at the foot, allowing free fall of the hammer. Hammer changes are made from in front of the compactor.

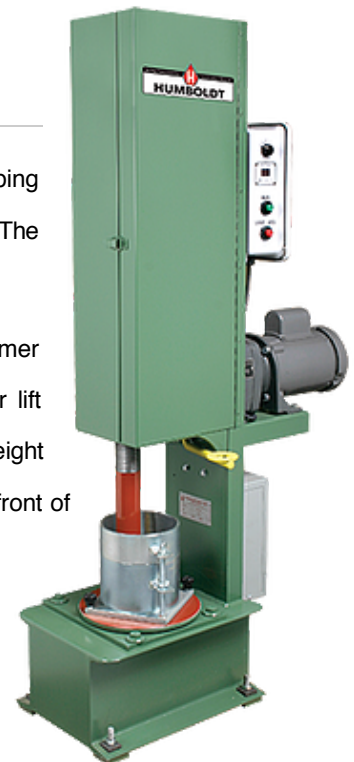
Included with the compactor are:

- (1) 5.5 lb (2.5kg) hammer;
- (1) 10 lb. (4.5kg) pie-shaped hammer;
- (1) hammer surcharge weight to convert hammers to 10lb (4.5kg);
- (1) hammer safety device;
- (1) 4" (102mm) mold, and
- (1) 6" (152mm) mold.

Overall dimensions (H x W x D): 56" x 16.5" x 30" (1422 x 419 x 762mm).

Max. height in operation: 66" (1677mm).

Shipping weight: 387 lbs (175kg)



### Models:

<b>H-4169</b>	Mechanical Compactor, 120V 60Hz
<b>H-4169.4F</b>	Mechanical Compactor, 230V 50/60Hz

### Manufacturer:

Humboldt Mfg. Co.  
Chicago, IL, USA

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## Accessories

### Part Number & Name



H-4169.100-B

Mechanical Compactor Safety Cage

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## Replacement Parts

### Part Number & Name



H-4169.2415

4" Round Hammer— New Style (does not include weights)

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H-4169.2416

6" Pie-Shape Hammer— New Style (does not include weights)

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H-4169.415

4" Round Hammer 6" Pie-Shape Hammer— Old Style (does not include weights)

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H-4169.416

6" Pie-Shape Hammer — Old Style (does not include weights)

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H-4169CK

Calibration Kit for Mechanical Compactor

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