



H-1364R

Heavy-Duty, Auto Marshall Compactor

ASTM D6926, D5581, AASHTO T245, PTM705, R68

Humboldt automatic, Marshall compaction machines are designed to provide a stable and rigid mechanism for producing 4" or 6" diameter asphalt pills used in Marshall tests. These Marshall compaction machines are available in two types of configurations: one with a rotating mold with a tapered-foot hammer assembly, and the other, a stationary mold with a flat-foot hammer. Both models feature a heavy-duty design, which stands up well to the constant jarring caused by the compaction process.

These machines feature an automatic counter, which allows the operator to preset the number of blows desired and, turns off the machine when a cycle is completed. After the number of blows has been set, the operator can start the machine with a push button and keep track of the number of blows on an LED readout. A cam-action lever operates the integral mold holder to facilitate insertion and removal of the compaction mold.

Machines can be ordered with either 4" or 6" molds, but can easily be altered later to accommodate the other size by purchasing a hammer and test molds of the desired size. These compactors comply with ASTM D6926 and provide a speed of 64 blows per minute.

Each machine includes: the mechanical compactor, ASTM-compliant pedestal, an automatic counter and hammer assembly, (1) compaction mold, and (1) package of paper discs. rotating-mold configuration machines come with a tapered-foot hammer assembly and stationary-mold configuration machines come with a flat-foot hammer assembly.

Rotating Mold Configuration

4" Dia. Specimens, 115V 60Hz	H-1364R
6" Dia. Specimens, 115V 60Hz	H-1366R
4" Dia. Specimens, 230V 60Hz	H-1364R.2F
6" Dia. Specimens, 230V 60Hz	H-1366R.2F
4" Dia. Specimens, 230V 50Hz	H-1364R.5F
6" Dia. Specimens, 230V 50Hz	H-1366R.5F

Ship wt. 330lbs. (149.6kg)

Stationary Mold Configuration

4" Dia. Specimens, 115V 60Hz	H-1364
6" Dia. Specimens, 115V 60Hz	H-1366
4" Dia. Specimens, 230V 60Hz	H-1364.2F
6" Dia. Specimens, 230V 60Hz	H-1366.2F
4" Dia. Specimens, 230V 50Hz	H-1364.5F
6" Dia. Specimens, 230V 50Hz	H-1366.5F

Ship wt. 320lbs. (145.15kg)



H-1360A
H-1360AF

H-1360B
H-1360BF

H-1360M



H-1334BA
H-1334BA.4F



ACCESSORIES

Ovens and hotplates can be used to facilitate the heating of molds and hammers for better testing control.

See pages 8.32-8.37 for ovens and page 8.38-8.39 for hotplates.



Replacement Parts for Heavy-Duty Automatic, Single Compactors

Item	Part No.
4" Hammer with tapered foot (rotating mold)	H-1360A
6" Hammer with tapered foot (rotating mold)	H-1360B
4" Hammer with flat foot (stationary mold)	H-1360AF
6" Hammer with flat foot (stationary mold)	H-1360BF
Lift chain for H-1364, H-1366 series compactors	H-1360.21A
Replacement ASTM-compliant pedestal for compactors	H-1360M
Replacement counter & proximity switch, 120V	H-1334BA
Replacement counter & proximity switch, 230V	H-1334BA.4F
Belt (Short) to The Gear Box 30-1/2"	H-1360.18
Belt (Long) to The Lift Chain 34-3/4"	H-1360.19