

DATA SHEET

Automatic Marshall Compactors, ASTM



76-B4442 with mould

General description

The apparatus automatically compacts the sample and stops after a preset number of blows has been completed. All moving parts are protected with safety guard, which stop automatically the compactor when opened and the control panel is fit with an emergency stop red button, all conforming to CE prescriptions. The compactor is supplied complete with wooden pedestal. ASTM Marshall compactors are available for 4" moulds only (see 76-B444x models) and for both 6" and 4" moulds (see 76-B446x models).

76-B446x Marshall compactors are supplied complete with 6" rammer assembly, while 4" rammer assembly has to be supplied separately. For all models, moulds have to be ordered separately. See accessories.

All the compactors can be factory installed inside the 33-T3712/CB Noise reduction and CE security cabinet. See accessories.

Main features

- Both versions feature automatic control and a reliable rammer lifting device
- High resolution graphical display 128x80 pixels and 6 keys membrane keyboard
- Noise reduction cabinet available
- CE versions complete with safety guards for operator protection and emergency stop button

Standards

- ASTM D1559
- ASTM D5581
- AASHTO T245
- ASTM D6926

Specifications

DATA SHEET

Models	76-B4442	76-B4462
	76-B4443	76-B4463
	76-B4444	76-B4464
Power rating	800 W	2000 W
Drop frequency (lows/min)	55 ± 5	55 ± 5
Tamping face dia.	98.5 mm	149.4 mm
Rammer weight	4536 ± 9 g	10.21 ± 0.01 kg
Drop height	457 ± 3 mm	457 ± 2 mm
Overall dimensions	385x470x1867 mm	423x578x1861 mm
Weight approx.	150 kg	170 kg



76-B4442



76-B4442 Detail of mould clamping

DATA SHEET



Noise reduction and security cabinet for automatic Marshall ASTM and EN compactors model 76-B4000/CB

Products

76-B4442

Marshall impact automatic compactor for 4" moulds, conforming to ASTM D1559, D6926 and AASHO T245. User interface: large size graphic display and membrane keyboard. 230V, 50Hz, 1ph.

76-B4443

Marshall impact automatic compactor for 4" moulds, conforming to ASTM D1559, D6926 and AASHO T245. User interface: large size graphic display and membrane keyboard. 220V, 60Hz, 1ph.

76-B4444

Marshall impact automatic compactor for 4" moulds, conforming to ASTM D1559, D6926 and AASHO T245. User interface: large size graphic display and membrane keyboard. 110V, 60Hz, 1ph.

76-B4462

Marshall impact automatic compactor for 6" and 4" moulds, conforming to ASTM D5581. User interface: large size graphic display and membrane keyboard. Complete with 6" rammer assembly. 4" rammer assembly and moulds not included, to be purchased separately. 230V, 50Hz, 1ph.

76-B4463

Marshall impact automatic compactor for 6" and 4" moulds, conforming to ASTM D5581. User interface: large size graphic display and membrane keyboard. Complete with 6" rammer assembly. 4" rammer assembly and moulds not included, to be purchased separately. 220V, 60Hz, 1ph.

76-B4464

Marshall impact automatic compactor for 6" and 4" moulds, conforming to ASTM D5581. User interface: large size graphic display and membrane keyboard. Complete with 6" rammer assembly. 4" rammer assembly and moulds not included, to be purchased separately. 110V, 60Hz, 1ph.

Accessories and consumables

33-T3712/CB

DATA SHEET

Noise reduction cabinet for CBR-Proctor universal compactor series 33-T371x and Marshall compactors 76-B444x, B443x and B446x

76-B4460/1

4" rammer assembly for 76-B446X 6" and 4" Marshall impact automatic compactor