

## DATA SHEET

### Centrifuge Binder Extractors



75-B2212, 75-B2312

#### General description

The centrifuges are used for the determination of bitumen percentage in bituminous mixtures. All models comprise a removable precision-machined rotor bowl housed in a cylindrical aluminium box. They are driven by an electric motor fit with AC drive (inverter) with the double function of speed control up to 3600 r.p.m. regardless of the frequency (50 or 60 Hz) and electrical braking. The centrifuge can be set for the automatic speed ramp up to 3600 r.p.m. or to any intermediate speed by the front knob. A digital display monitors the frequency, which is proportional to the speed.

The rotating unit is suspended on the base by four calibrated springs, which assure a perfect stability all over the test. The cover is precisely machined and fit with solvent resistant gasket to avoid leakages.

All models are fit, for emergency use, by a hand brake system. The control panel includes: Start/Stop button, speed control knob, and digital display.

Two capacities and two versions available:

- Standard 1500 and 3000 g cap. (75-B2212,75-2214; 75-B2312,75-2314)
- Explosion proof 1500 and 3000 g cap. (75-B2222; 75-B2322)

The standard models can be upgraded with an electromagnetic system to prevent the opening of the cover during rotation. This option (see code 75-B2210/UP1) is applicable on standard models only and has to be factory installed.

All centrifuges are supplied complete with 100 filter discs.

All centrifuges can fit different capacity spare bowls (75-B0022/2 and 75-B0023/2)

#### Main features

- Speed control up to 3600 r.p.m. at 50 or 60 Hz by AC drive (inverter)
- Electric brake
- Stable and silent throughout the test
- Electronic control and digital display
- CE version available with electromagnetic arrangement to prevent the opening of cover during rotation
- Explosion proof option
- Supplied complete with 100 filter discs

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### Standards

- EN 12697-1
- ASTM D2172
- AASHTO T164-A

### Specifications

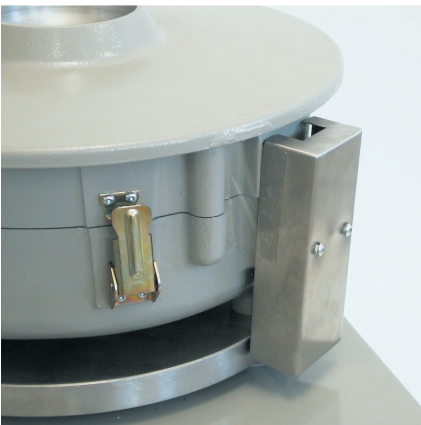
AC drive motor (inverter), 550 W

Overall dimensions (Lxdxh): 539x406x509 mm

Weight approx.: 54 kg



75-B2222, 75-B2322 Explosion proof models



Detail of 75-B2210/UP1 safety device

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75-B0022/2, 75-B0022/1 Spare bowl/cover and filter discs

### Products

#### 75-B2212

1500 g cap. digital centrifuge extractor. Speed control up to 3600 r.p.m. 230V, 50-60Hz, 1ph. Pack of 100 filter discs included.

#### 75-B2214

1500 g cap. digital centrifuge extractor. Speed control up to 3600 r.p.m. 110V, 60Hz, 1ph. Supplied complete with 100 filter discs.

#### 75-B2222

1500g cap. digital centrifuge extractor, explosionproof version with separate control panel. Speed control up to 3600 r.p.m. 230V, 50-60Hz, 1ph. Supplied complete with 100 filter discs.

#### 75-B2312

3000 g cap. digital centrifuge extractor. Speed control up to 3600 r.p.m. 230V, 50-60Hz, 1ph. Supplied complete with 100 filter discs.

#### 75-B2314

3000 g cap. digital centrifuge extractor. Speed control up to 3600 r.p.m. 110V, 60Hz, 1ph. Supplied complete with 100 filter discs.

#### 75-B2322

3000g cap. digital centrifuge extractor, explosionproof version with separate control panel. Speed control up to 3600 r.p.m. 230V, 50-60Hz, 1ph. Supplied complete with 100 filter discs.

### Accessories and consumables

#### 75-B0022/1

Filter discs for 1500g cap. centrifuge. Pack of 100

#### 75-B0022/2

Spare rotating bowl and cover

#### 75-B0023/1

Filter discs for 3000g cap. centrifuge. Pack of 100 pcs.

#### 75-B0023/2

Spare rotating bowl and cover

#### 75-B2210/UP1

Electronic system to prevent the opening of the cover during rotation. Conforming to CE directive. Suitable for 75-B2212 and 75-B2312 standard model only

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