



PRODUCT BROCHURE · BENCHMARK SCIENTIFIC

## Z167M V1 8.20 SM

2 models inside · Life Science · Centrifuges



### QUICK VIEW — SERIES AT A GLANCE

2 models in this document from Benchmark Scientific. Full specifications inside.

#### MODELS IN THIS DOCUMENT

**Z167-M · Z167-M-E**

#### SHIP WEIGHT

**26–27 lb**

#### SOURCING

**Authorized U.S. distributor**

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# Microcentrifuge

■ Z167-M



**HERMLE**  
**Benchmark** 

# Z167-M



## Features

- Microprocessor with large LCD display
- Electromagnetic lid lock
- Quick access to samples
- Active imbalance identification and cut-off
- Air Cooling System
- Quick Acceleration and Deceleration within 14 respectively 16 seconds
- Noise level < 57 dBA, at max. speed
- Easy removal of rotor, without tools
- Manufactured in accordance to International Safety Regulations, i.e. IEC 61010

## Included Rotor

Order No.:

Z167-1820

Angle Rotor 18 x 1,5/2,0 ml  
Angle: 45°



|                  |            |
|------------------|------------|
| Acceleration (s) | 14/122     |
| Deceleration (s) | 16/140     |
| Max. Speed       | 14,000 rpm |
| Max. RCF         | 15,994 xg  |
| Max. Radius      | 7.3 cm     |
| Max. Ø           | 11 mm      |

## Adapter Options

| Order No.: | Tube Rack          | Ø (mm) | Length (min./max.) |
|------------|--------------------|--------|--------------------|
| C1008-A5-6 | 1 x 0.5 ml         | 8.0 mm | 45 mm              |
| C1008-A2-6 | 1 x 0.4/0.2 ml PCR | 6.0 mm | 45 mm              |

The Z167-M's compact design houses a powerful, maintenance free, induction motor that can reach up to 14,000 rpm/15,994 xg. The included rotor is an 18-place 1.5/2.0 ml fixed angle rotor. Accompanied by Hermle's easy to use control panel, the unique EZ-Scroll™ touch pad, gives you ease of control and a modern feel. Additionally, this model features a color changing LED status indicator that let's you know what operating state the unit is in from a distance. Whether the unit is running, on standby, or in sleep mode, it is easy to tell from a far with this new feature. The advanced microprocessor controls allow for setting/displaying of the rotational speed in either rpm or rcf, in increments of 10. In addition to retrieving saved programs, the easy to use front panel can be used to adjust accel/decel rates, run time, and change the end of run alarm tone. There is also a momentary spin function that will run while the button is pressed and a sleep mode to save energy.

## Technical Data

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| max. Speed:   | 14,000 rpm                                                      |
| max. RCF:     | 15,994 xg                                                       |
| max. Volume:  | 18 x 1.5/2.0 ml                                                 |
| Speed range:  | 200 - 14,000 rpm                                                |
| Running time: | 59 min 50 s / 10 s increments<br>99 h 59 min / 1 min increments |

|             |                                                                        |
|-------------|------------------------------------------------------------------------|
| Dimensions: | 11 in x 9.5 in x 13.7 (W x H x D)<br>28 cm x 24 cm x 35 cm (W x H x D) |
|-------------|------------------------------------------------------------------------|

|         |                  |
|---------|------------------|
| Weight: | 26.5 lbs / 12 kg |
|---------|------------------|

|              |       |
|--------------|-------|
| Power input: | 130 W |
|--------------|-------|

|               |                                                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------------------------|
| Order Number: | Z167-M 120 V / 50-60 Hz<br>incl. 18 x 1.5/2.0 ml Rotor<br>Z167-M-E 230 V / 50-60 Hz<br>incl. 18 x 1.5/2.0 ml Rotor |
|---------------|--------------------------------------------------------------------------------------------------------------------|



## Distinct Control Panel

- Control panel with Touch-Operation
- Simple one-handed operation
- Easy to program with gloves on
- Splash-proof foil keyboard
- Permanent indication of pre-set and actual values
- Selection of speed in both rpm and g-force, in increments of 10
- 10 acceleration and deceleration rates, possibility of unbraked deceleration
- Pre-selection of the running time, from 10 s to 99 h 59 min or continuous
- Storage of up to 99 runs
- Quick-key for short runs
- Color visual representation of the operating state such as standstill, sleep mode or centrifugation