

**Lot 79, Centrifugă, de laborator (8-12 tuburi) 150910****Model propus: EBA 200, Andreas Hettich, Germania****Numar de inregistrare: DM000739296**

| Parametri solicitati                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Parametri oferiti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| "Centrifugă, de laborator (8-12 tuburi)<br>Cod 150910<br>Descriere Centrifugele de laborator sunt destinate pentru a centrifuga sângele.<br>Parametrul Specificația<br>Viteza de rotație Minimală, rpm reglabilă<br>Maximală, rpm $\geq 6000$<br>Setări setarea vitezei<br>Capacitatea Tipul tuburilor tuburi de 10 - 15 ml<br>Numărul de tuburi 8-12 tuburi<br>Timer Diapazon minim de timp 1 - $\geq 60$ min<br>Incrementarea $\leq 1$ min<br>Securitatea Blocarea capacului în timpul lucrului obligatoriu<br>Indicatori Indicarori vizual și<br>acusticobligatoriu<br>Debalansare obligatoriu<br>Pornire/oprire obligatoriu<br>Capac deschis obligatoriu<br>Display Digital obligatoriu<br>Nivelul de zgomot $\leq 70$ dB obligatoriu<br>Fereastra, orificiu sau alt acces, necesar pentru efectuarea procedurii de verificare periodica, conform normelor si standartelor in vigoare obligatoriu" | "Centrifugă, de laborator (8-12 tuburi)<br>Cod 150910<br>Descriere Centrifugele de laborator sunt destinate pentru a centrifuga sângele.<br>Parametrul Specificația<br>Viteza de rotație Minimală, 200 rpm reglabilă<br>Maximală, rpm 6000<br>Setări setarea vitezei<br>Capacitatea Tipul tuburilor tuburi de 10 - 15 ml<br>Numărul de tuburi 8 tuburi<br>Timer Diapazon minim de timp 1 - 99 min<br>Incrementarea 1 min<br>Securitatea Blocarea capacului în timpul lucrului obligatoriu<br>Indicatori Indicarori vizual și<br>acusticobligatoriu<br>Debalansare obligatoriu<br>Pornire/oprire obligatoriu<br>Capac deschis obligatoriu<br>Display Digital obligatoriu<br>Nivelul de zgomot 50 dB obligatoriu<br>Fereastra, orificiu sau alt acces, necesar pentru efectuarea procedurii de verificare periodica, conform normelor si standartelor in vigoare obligatoriu" |

## SMALL CENTRIFUGES

# — EBA 200 | 200 S

### TOP PERFORMANCE FOR SMALL LABORATORIES

The EBA 200 and EBA 200 S are practical, compact centrifuges for small sample sizes. The high speed S model can deliver reliable PPP results in 3 minutes or less. Included an 8-place fixed angle rotor to hold standard blood and urine tubes up to 15 ml in capacity.



### — HIGHLIGHTS

- max. RPM: 200 - 6,000 min<sup>-1</sup> | 8,000 min<sup>-1</sup>  
Adjustable in increments of 10
- max. RCF: 3,461 | 6,153
- max. capacity: 8 x 15 ml
- small centrifuge including 8-place angle rotor
- compact design
- IVDR-conform according to regulation (EU) 2017/746
- maximum noise level of ≤ 50 dB(A) | ≤ 55 dB(A)
- impulse key for short cycle mode
- 2 individual acceleration and deceleration stages
- easy operation with keypad

### — FEATURES

- plastic housing
- metal lid
- viewing port in the lid
- one-hand lid lock
- lid dropping protection
- emergency lid lock release
- light alloy chamber
- brushless drive
- error display
- imbalance monitoring and switch-off
- backlit panel with actual values of all parameters
- 3 adjustable messages after completion of the centrifugation run (audio + visual)

## TECHNICAL DATA

|                    | EBA 200                                                            | EBA 200 S                                                          |
|--------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| voltage *)         | 200 – 240 V 1 ~                                                    | 200 – 240 V 1 ~                                                    |
| frequency          | 50 – 60 Hz                                                         | 50 – 60 Hz                                                         |
| consumption        | 100 VA                                                             | 160 VA                                                             |
| emission, immunity | EN/IEC 61326-1, class B                                            | EN/IEC 61326-1, class B                                            |
| max. capacity      | 8 x 15 ml                                                          | 8 x 15 ml                                                          |
| max. RPM           | 6,000 min <sup>-1</sup>                                            | 8,000 min <sup>-1</sup>                                            |
| max. RCF           | 3,461                                                              | 6,153                                                              |
| running time       | 1 – 99 min, ∞ continuous run,<br>short cycle mode (impulse button) | 1 – 99 min, ∞ continuous run,<br>short cycle mode (impulse button) |
| dimensions (WxDxH) | 261 x 353 x 228 mm                                                 | 261 x 353 x 228 mm                                                 |
| weight             | approx. 9 kg                                                       | approx. 11 kg                                                      |
| max. noise level   | ≤ 50 dB (A)                                                        | ≤ 55 dB (A)                                                        |
| <b>Cat. No.</b>    | <b>1800</b>                                                        | <b>1802</b>                                                        |

100 – 127 V 1 ~ / 50–60 Hz

1800-01

1802-01

emission, immunity

FCC class B

FCC class B

\*) Other voltages on request.

## AVAILABLE ROTORS

### ANGLE ROTORS

|                                                                                     |                      | angle | max. RPM                                             | max. capacity | Cat. No          | page |
|-------------------------------------------------------------------------------------|----------------------|-------|------------------------------------------------------|---------------|------------------|------|
|  | angle rotor, 8-place | 33°   | 6,000 min <sup>-1</sup>  <br>8,000 min <sup>-1</sup> | 8 x 15 ml     | <b>INCLUSIVE</b> | 3    |

## ANGLE ROTOR, 8-PLACE



### Rotor

|                                  |                 |                                                   |
|----------------------------------|-----------------|---------------------------------------------------|
| max. RPM                         | EBA 200   200 S | 6,000 min <sup>-1</sup>   8,000 min <sup>-1</sup> |
| max. RCF                         |                 | 3,461   6,153                                     |
| max. capacity                    |                 | 8 x 15 ml                                         |
| run up / run down, braked in sec |                 | 17 / 12   37 / 17                                 |
| angle                            |                 | 33°                                               |

**Cat. No.** **INCLUSIVE**



### Vessels

|                        |           |         |         |         |         |         |          |         |         |         |         |         |         |         |          |
|------------------------|-----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|----------|
|                        |           |         |         |         |         |         |          |         |         |         |         |         |         |         |          |
| capacity in ml         | 0.5       | 1.5     | 2       | 4       | 5       | 6       | 15       | 1.1-1.4 | 2.6-3.4 | 2.7-3   | 4.5-5   | 4.9     | 7.5-8.2 | 9-10    | 15       |
| Ø x L in mm            | 10.7 x 46 | 11 x 38 | 11 x 38 | 12 x 60 | 13 x 75 | 12 x 82 | 17 x 100 | 8 x 66  | 13 x 65 | 11 x 66 | 11 x 92 | 13 x 90 | 15 x 92 | 16 x 92 | 17 x 120 |
| max. RCF <sup>2)</sup> | EBA 200   | 2,214   | 2,173   | 2,173   | 2,656   | 2,697   | 3,461    | 2,697   | 2,697   | 2,697   | 3,461   | 3,461   | 3,461   | 3,461   | 3,461    |
| max. RCF <sup>2)</sup> | EBA 200 S | 3,935   | 3,864   | 3,864   | 5,009   | 4,794   | 4,794    | 4,794   | 4,794   | 4,794   | 6,153   | 6,153   | 6,153   | 6,153   | 6,153    |
| radius in mm           | 55        | 54      | 54      | 66      | 67      | 67      | 86       | 67      | 67      | 67      | 86      | 86      | 86      | 86      | 86       |

**Cat. No.** **Pediatric** **microliter tubes** **tubes<sup>2)</sup>** **blood collection / urine tubes** **-**



### Adapter

|                    |                        |             |               |               |           |               |               |               |           |           |           |           |           |           |           |
|--------------------|------------------------|-------------|---------------|---------------|-----------|---------------|---------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                        |             |               |               |           |               |               |               |           |           |           |           |           |           |           |
| boring Ø x L in mm | 11 x 35                | 11 x 35     | 11 x 35       | 11.5 x 67.5   | 13.5 x 60 | 13.5 x 60     | 17.7 x 88     | 13.5 x 60     | 13.5 x 60 | 13.5 x 60 | 17.7 x 88 | 17.7 x 88 | 17.7 x 88 | 17.7 x 88 | 17.7 x 88 |
| vessels per rotor  | 8                      | 8           | 8             | 8             | 8         | 8             | 8             | 8             | 8         | 8         | 8         | 8         | 8         | 8         | 4         |
| <b>Cat. No.</b>    | <b>1063-8 (8 pcs.)</b> | <b>6305</b> | <b>1054-A</b> | <b>1054-A</b> | <b>-</b>  | <b>1054-A</b> | <b>1054-A</b> | <b>1054-A</b> | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  |

### Vessels

|                        |           |         |          |          |          |          |
|------------------------|-----------|---------|----------|----------|----------|----------|
|                        |           |         |          |          |          |          |
| capacity in ml         | 10        | 1.6-5   | 4-7      | 8        | 8.5-10   | 12       |
| Ø x L in mm            | 15 x 102  | 13 x 75 | 13 x 100 | 16 x 125 | 16 x 100 | 17 x 102 |
| max. RCF <sup>2)</sup> | EBA 200   | 3,461   | 2,697    | 3,461    | 3,461    | 3,461    |
| max. RCF <sup>2)</sup> | EBA 200 S | 6,153   | 4,794    | 6,153    | 6,153    | 6,153    |
| radius in mm           | 86        | 69      | 86       | 86       | 86       | 86       |

**Cat. No.** **blood collection / urine tubes**



### Adapter

|                    |           |             |           |           |           |           |
|--------------------|-----------|-------------|-----------|-----------|-----------|-----------|
|                    |           |             |           |           |           |           |
| boring Ø x L in mm | 17.7 x 88 | 13.5 x 60   | 17.7 x 88 | 17.7 x 88 | 17.7 x 88 | 17.7 x 88 |
| vessels per rotor  | 8         | 8           | 8         | 4         | 8         | 8         |
| <b>Cat. No.</b>    | <b>-</b>  | <b>1059</b> | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  |

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

12) For the EBA 200 only! Model EBA 200 S is supplied as standard with an adapter for these tubes.

## CERTIFICATIONS / REGISTRATIONS

Product certification:



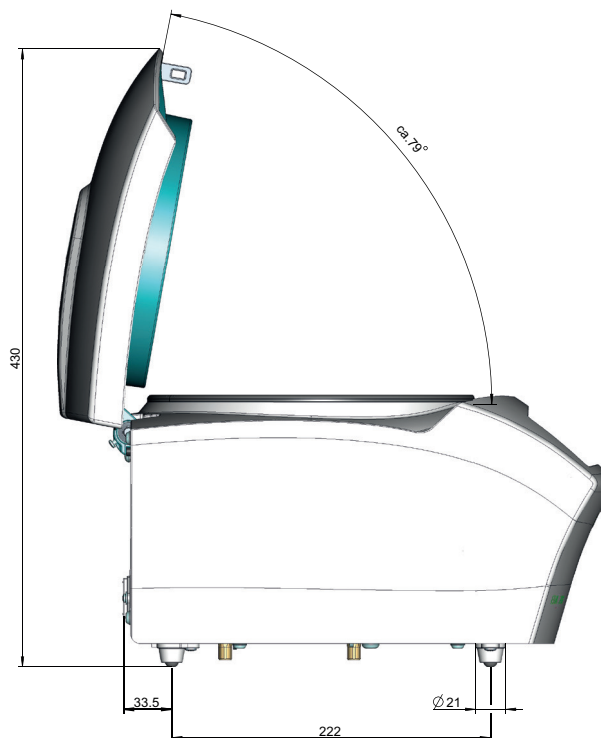
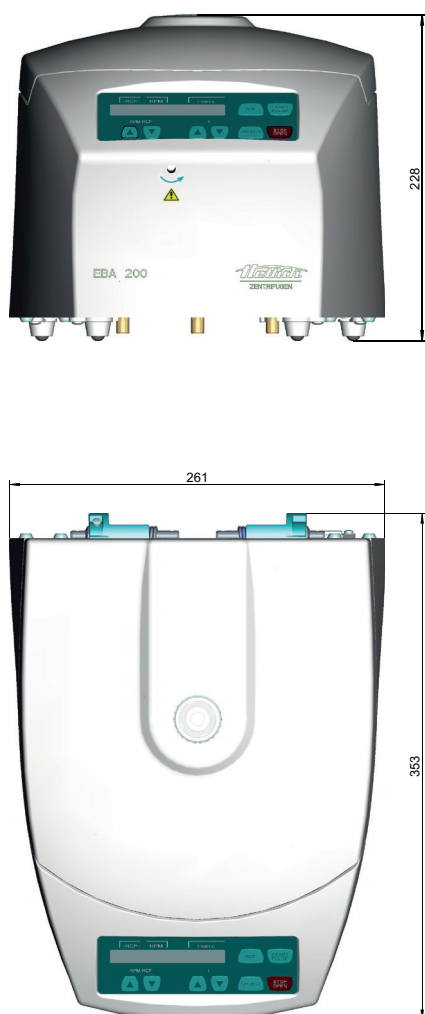
Product registration:



Company certifications:



## DIMENSIONS – EBA 200 | 200 S



# EU-Konformitätserklärung

## EU Declaration of conformity

des Herstellers

of the manufacturer

**Andreas Hettich GmbH & Co. KG • Föhrenstrasse 12 • D-78532 Tuttlingen • Germany**  
**SRN: DE-MF-000010680**

Hiermit erklären wir in unserer Verantwortung ohne Mitwirkung einer benannten Stelle, dass das bezeichnete Gerät:

We hereby declare under our responsibility without involvement of a notified body that the designated device:

Geräteart **Kleinzentrifugen**  
Name **EBA 200**  
**EBA 200 S**  
Basic UDI-DI **040506740100069U**  
GMDN **36465**  
Klassifizierung **In-vitro-Diagnostikum, Klasse A**  
**(Anhang VIII, Regel 5)**  
Gemäß **Verordnung (EU) 2017/746**  
**Anhang IX**

Type of device **Small centrifuges**  
Name **EBA 200**  
**EBA 200 S**  
Basic UDI-DI **040506740100069U**  
GMDN **36465**  
Classification **in vitro diagnostic, class A**  
**(Annex VIII, Rule 5)**  
according to **Regulation (EU) 2017/746**  
**Annex IX**

inklusive des mit dem Gerät konformitätsbewerteten Zubehörs laut Zubehörliste der zugehörigen technischen Dokumentation, den einschlägigen Bestimmungen der Verordnung (EU) 2017/746 über In-vitro-Diagnostika entspricht.

and its accessories, which are listed in the related technical documentation and whose conformity has been assessed together with the device, complies with the relevant provisions of the Regulation (EU) 2017/746 on in vitro diagnostic devices.

### Zweckbestimmung

Bei der Zentrifuge **EBA 200 / EBA 200 S** handelt es sich um ein In-vitro-Diagnostikum gemäß der Verordnung über In-vitro-Diagnostika (EU) 2017/746.

Das Gerät dient zum Zentrifugieren sowie zur Anreicherung von Probenmaterial menschlichen Ursprungs für eine anschließende Weiterverarbeitung für diagnostische Zwecke. Der Anwender kann jeweils die veränderbaren physikalischen Parameter innerhalb der vom Gerät vorgegebenen Grenzen einstellen.

Die Zentrifuge darf nur von Fachpersonal in geschlossenen Laboratorien verwendet werden. Die Zentrifuge ist nur für den oben genannten Verwendungszweck bestimmt. Zur bestimmungsgemäßen Verwendung gehört auch das Beachten aller Hinweise aus der Bedienungsanleitung und die Einhaltung der Inspektions- und Wartungsarbeiten.

### Intended use

The centrifuge **EBA 200 / EBA 200 S** is an in vitro diagnostic medical device according to the In vitro Diagnostic Medical Devices Regulation (EU) 2017/746.

The device is used for centrifuging and enriching sample material of human origin for subsequent further processing for diagnostic purposes. The user can set each of the variable physical parameters within the limits set by the device.

The centrifuge may only be used by qualified personnel in closed laboratories. The centrifuge is only intended for the use referred to above. Intended use also includes observing all instructions in the Operating Manual and compliance with the required inspection and maintenance work.

Eine andere oder darüberhinausgehende Benutzung gilt als nicht bestimmungsgemäß. Für hieraus entstehende Schäden haftet die Firma Andreas Hettich GmbH & Co. KG nicht.

Any other use or use beyond this is considered improper. Andreas Hettich GmbH & Co. KG shall not be liable for any damage arising from this.

Das Gerät entspricht auch den anwendbaren Bestimmungen der folgenden europäischen Richtlinien und Verordnungen

The device also complies to the applicable provisions of the following European directives, ordinances and standards

- 2006/42/EG „Maschinenrichtlinie“
- 2014/30/EU „EMV-Richtlinie“
- 2014/35/EU „Niederspannungsrichtlinie“
- 2011/65/EG „RoHS-Richtlinie“  
(ohne Beteiligung einer benannten Stelle)
- (EG) 1907/2006 „REACH Verordnung“  
(ohne Beteiligung einer benannten Stelle)

- 2006/42/EC "Directive on machinery"
- 2014/30/EU "EMC Directive"
- 2014/35/EU "Low Voltage Directive"
- 2011/65/EC "RoHS Directive"  
(without involvement of a notified body)
- (EC) 1907/2006 „Regulation on REACH“  
(without involvement of a notified body)

Angewandte Normen:

Siehe Liste der angewandten Normen, die Teil der technischen Dokumentation ist.

Standards applied:

See the list of applied standards that forms part of the technical documentation.

Tuttlingen, 17.10.2023



Klaus-Günter Eberle  
Geschäftsführer, Chief Executive Officer



Diese Konformitätserklärung ist gültig von 17.10.2023 bis 24.10.2025

This declaration of conformity is valid from 17.10.2023 until 24.10.2025