

**Benchtop
Centrifuge**

EBA 21

Maximum performance in microlitre centrifugation coupled with reliability in daily laboratory routine

EBA 21 - powerful and versatile not only in microlitre centrifugation. Equipped with a variable, maintenance-free frequency drive and the Hettich N control panel the centrifuge generates a max. RCF of 23,907 at a speed of 18,000 min⁻¹.

With an extensive range of rotors the EBA 21 meets all demands required of a small high-performance centrifuge today.

EBA 21 in Brief

Performance

High RCF

up to 3,904 with 50 ml tubes,
up to 23,907 with microlitre tubes.

Extremely short **run-up** and
run-down times.

Wide range of accessories

angle and swing-out rotors, adapters
for many different centrifuge tubes.

Technology

Twist lock

for effortless opening and closing
of the lid.

Ergonomically arranged controls and displays

Viewing port in the lid

3 complete running programmes
can be stored and recalled.

Safety

Housing and lid of metal

Centrifuge chamber of
stainless steel

Lid locking and holding during
rotor run

Lid dropping protection

Emergency lid lock release

Imbalance switch-off

Automatic rotor recognition

Hettich manufactures high quality centrifuges.

All stages from design to end product are continually subjected to strictest controls.

Evidence of conformity with national and international regulations such as IEC 1010-2.2 and EC standards is provided by corresponding certificates.

The ISO 9001 certificate accredited to the entire company proves the extreme care and responsibility Hettich puts into the manufacture of centrifuges and their accessories.



EBA 21

Dimensions (H x W x D):
247 x 275 x 330 mm

Cat.-No. **1004**

Accessories



∠35°

Angle rotor, 6-place,
n = 6,000 min⁻¹, RCF 3,904

Cat.-No. **1116**



∠35°

Angle rotor, 12-place,
n = 6,000 min⁻¹, RCF 4,105

Cat.-No. **1416**































∠45°

Angle rotor, 30-place,
n = 14,000 min⁻¹, RCF 21,255

Cat.-No. **1089**

aerosol-tight¹⁾

capacity in ml	7	15	25	30	50	50	15	50	10
dimensions Ø x L mm	12 x 100	17 x 100	24 x 100	26 x 92	29 x 104	34 x 100	17 x 120	29 x 115	16.5 x 92
Cat.-No.	0578	0507	0519	0545	0546	0521	0509	0513	blood collection tube
 Cat.-No. 1116									
									
Cat.-No.	1632	1635	1633	1633	1634	-	1631	1641	1635
tubes per rotor	18	6	6	6	6	6	6	3	6
RCF	3,824	3,703	3,622	3,622	3,783	3,904	3,743	3,824	3,703
radius in mm	95	92	90	90	94	97	93	97	92
run-up in sec	23								
run-down in sec	 27  1624								

capacity in ml	5	15	15
dimensions Ø x L mm	13 x 75	17 x 100	17 x 120
Cat.-No.	-	-	0509
 Cat.-No. 1416			
			
Cat.-No.	1056	-	-
tubes per rotor	12	12	6
RCF	3,421	4,105	4,105
radius in mm	85	102	
run-up in sec	18		
run-down in sec	 23  391		

The fully developed up to date N control panel meets the requirements of the users and is extremely easy to operate.

Entry of the parameters is fast, precise and convenient with selector keys on the water-protected foil keypad.

The large display is well readable. During centrifugation the actual values of the parameters are indicated.

The parameters remain in the memory even after the centrifuge has been switched off.

Speed RPM: Input in increments of 10.

Relative centrifugal force RCF: Input in increments of 10.

Change-over RPM/RCF: By entering the rotor radius r/mm the centrifuge calculates and indicates speed or RCF.

Running time t: Input in minutes and seconds, max. 99 minutes.

Run-up/run-down times: Input of acceleration and braking ramps in levels 1 – 9 or unbraked run-down.

Memory: 3 complete running programmes can be stored and recalled.

Impulse key: For short centrifuging operations. The rotor spins at the preselected speed or RCF as long as the key remains pressed.

Please take care not to exceed the tubes' max. permissible RCF!





∠45°

Angle rotor, 24-place,
n = 15,000 min⁻¹, RCF 21,885

Cat.-No. **1095**

aerosol-tight ¹⁾



∠45°










Angle rotor, 12-place,
n = 18,000 min⁻¹, RCF 23,907

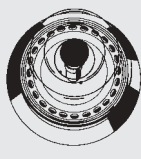








Cat.-No. **1112**



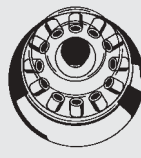








Hematocrit rotor, 24-place,
n = 15,000 min⁻¹, RCF 21,382

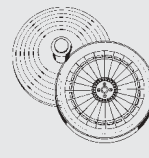



Cat.-No. **1450**

capacity in ml	0.4	0.5	0.8	1.5	2.0
dimensions Ø x L mm	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38
Cat.-No.	-	-	-	2078	0536
 Cat.-No. 1089					
				when centrifuging at high speeds we recommend to use adapter No. 2031	
Cat.-No.	2024	2023	2023	-	-
tubes per rotor	30				
RCF	21,255				
radius in mm	97				
run-up in sec	28				
run-down in sec	☐ 40 ☐ 800				

capacity in ml	0.4	0.5	0.8	1.5	2.0
dimensions Ø x L mm	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38
Cat.-No.	-	-	-	2078	0536
 Cat.-No. 1095					
				when centrifuging at high speeds we recommend to use adapter No. 2031	
Cat.-No.	2024	2023	2023	-	-
tubes per rotor	24				
RCF	21,885				
radius in mm	87				
run-up in sec	32				
run-down in sec	☐ 32 ☐ 690				

1) In compliance with DIN EN 61010, part 2-020

capacity in ml	0.4	0.5	0.8	1.5	2.0
dimensions Ø x L mm	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38
Cat.-No.	-	-	-	2078	0536
 Cat.-No. 1112					
				when centrifuging at high speeds we recommend to use adapter No. 2031	
Cat.-No.	2024	2023	2023	-	-
tubes per rotor	12				
RCF	23,907				
radius in mm	66				
run-up in sec	14				
run-down in sec	☐ 18 ☐ 172				

	capillaries, heparinized	capillaries, heparinized, mylar-coated	capillaries, heparinized, self-sealing
Cat.-No.	2074	1072	1071
 Cat.-No. 1450			
	sealing putty		sealing putty
Cat.-No.	2077	2077	-
capillaries per rotor	24		
RCF	21,382		
radius in mm	85		
run-up in sec	8		
run-down in sec	☐ 12 ☐ 117		

☐ braked run-down at level 9
 ☐ unbraked run-down

Please take care not to exceed the tubes' max. permissible RCF!

Accessories



∠55°

Swing-out rotor, 8-place,
n = 5,000 min⁻¹, RCF 2,879

Cat.-No. **1114**



∠60°

Swing-out rotor, 6-place,
n = 5,000 min⁻¹, RCF 2,879

Cat.-No. **1115**



∠35°

Angle rotor, 12-place,
n = 5,000 min⁻¹, RCF 2,879














Cat.-No. **1118**



















∠90°

Swing-out rotor, 8-place,
n = 5,000 min⁻¹, RCF 2,879

Cat.-No. **1120**

capacity in ml	5	10	5	2.6	5.5
dimensions Ø x L mm	12 x 75	17 x 70	12 x 75	13 x 65	15.3 x 75
Cat.-No.	-	2079	blood collection tubes		
 Cat.-No. 1114					
					
Cat.-No.	1127	1122	1127	1127	1122
tubes per rotor	8				
RCF	2,879				
radius in mm	103				
run-up in sec	9				
run-down in sec	 14  122				

capacity in ml	5	10	15
dimensions Ø x L mm	12 x 75	17 x 70	17 x 100
Cat.-No.	-	2079	0507
 Cat.-No. 1115			
			
Cat.-No.	1123/1056	1123/0716	1123
tubes per rotor	6		
RCF	2,264	2,739	2,879
radius in mm	81	98	103
run-up in sec	8		
run-down in sec	 12  72		

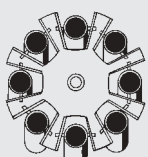












capacity in ml	5	7
dimensions Ø x L mm	12 x 75	12 x 100
Cat.-No.	-	0578
 Cat.-No. 1118		
		
Cat.-No.	-	-
tubes per rotor	12	
RCF	2,879	
radius in mm	103	
run-up in sec	10	
run-down in sec	 13  133	












∠70°

Swing-out rotor, 12-place,
n = 5,000 min⁻¹, RCF 2,879

Cat.-No. **1126**

capacity in ml	5	10	5	2.6	5.5
dimensions Ø x L mm	12 x 75	17 x 70	13 x 75	13 x 65	15.3 x 75
Cat.-No.	-	2079	blood collection tubes		
 Cat.-No. 1120					
					
Cat.-No.	1131	1132	1131	1131	1132
tubes per rotor	8				
RCF	2,879				
radius in mm	103				
run-up in sec	8				
run-down in sec	 12  86				

capacity in ml	5	5	2.6
dimensions Ø x L mm	12 x 75	13 x 75	13 x 65
Cat.-No.	-	blood collection tubes	
 Cat.-No. 1126			
			
Cat.-No.	1127		
tubes per rotor	12		
RCF	2,879		
radius in mm	103		
run-up in sec	10		
run-down in sec	 15  165		

 braked run-down at level 9
 unbraked run-down

Please take care not to exceed the tubes' max. permissible RCF !

Technical Details



EBA 21
Benchtop centrifuge, without rotor
Cat.-No.: 1004

EBA 21
Benchtop centrifuge, without rotor
Cat.-No.: 1004 - 01

** Power supply:	220 - 240 V 1~	110 - 127 V 1~
Frequency:	50 - 60 Hz	50 - 60 Hz
Consumption:	500 VA	550 VA
Radio interference:	EN 55011 ISM class B	FCC class A
Immunity:	EN 50082	
*Capacity:	6 x 50 ml	
* Speed / * RCF:	n = 18.000 min ⁻¹ / RCF 23.907	
Running time:	1-99 min, ∞ (continuous run), short cycle mode (in sec.)	
Dimensions (HxWxD):	247 x 275 x 330 mm	
Weight:	approx. 11.5 kg	

*maximum **other voltages on request

Design:

Housing and lid of metal for safety. Coating finished in scratch and impact resistant plastic. Centrifuging chamber of stainless steel. Lid locking, lid holding, twist lock, and imbalance switch-off are standard.



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