

Small centrifuges

EBA 280 | 280 S

Simple rotor change for greater versatility

The EBA 280 and EBA 280 S offer exceptional user comfort and a choice of 6 rotors. The rotor can be removed and replaced easily thanks to the quick release system. The rotor locks in place and remains secure without the use of tools or extra effort. The backlit digital control panel offers the opportunity to save multiple program settings.



■ Highlights

- RPM: 200 - 6,000 min⁻¹
Adjustable in increments of 10
- max. RCF: 4,146 | 5,071
- max. capacity: 6 x 50 ml
- small centrifuge with rapid rotor change system
- Choice of 6 rotors
- IVDR-conform according to regulation (EU) 2017/746
- maximum noise level of ≤ 51 dB(A) | ≤ 56 dB(A)
- impulse key for short cycle mode
- 9 individual acceleration and deceleration stages
- easy operation with keypad
- 9 programmable memory settings

■ Features

- plastic housing
- metal lid
- viewing port in the lid
- one-hand lid lock
- lid dropping protection
- emergency lid lock release
- stainless steel chamber
- automatic rotor recognition
- 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 280	EBA 280 S
voltage *)	200 – 240 V 1 ~	200 – 240 V 1 ~
frequency	50 – 60 Hz	50 – 60 Hz
consumption	185 VA	330 VA
emission, immunity	EN/IEC 61326-1, class B	EN/IEC 61326-1, class B
max. capacity	6 x 50 ml	6 x 50 ml
max. RPM	6,000 min ⁻¹	6,000 min ⁻¹
max. RCF	4,146	5,071
running time	1 – 99 min: 59 sec, y continuous run, short cycle mode (impulse button)	1 – 99 min: 59 sec, y continuous run, short cycle mode (impulse button)
dimensions (W x D x H)	326 x 400 x 242 mm	326 x 400 x 242 mm
weight	approx. 12 kg	approx. 12 kg
noise level	≤ 47 dB (A) with rotor 1137	≤ 50 dB (A) with rotor 1137
Cat. No.	1101	1102
100 – 127 V 1 ~ / 50–60 Hz	1101-01	1102-01
emission, immunity	FCC class B	FCC class B

*) Other voltages on request.

Available rotors

SWING-OUT ROTORS

		angle	max. RPM	max. capacity	Cat. No.	page
  	swing-out rotor, 6-place	90°	6,000 min ⁻¹	6 x 15 ml	1146	3
	swing-out rotor, 8-place	90°	5,000 min ⁻¹	8 x 10 ml	1148	4
	swing-out rotor, 12-place	60°	5,000 min ⁻¹	12 x 5 ml	1142	4

ANGLE ROTORS

  	angle rotor, 6-place	35°	6,000 min ⁻¹	6 x 50 ml	1137	5
	angle rotor, 12-place	35°	5,000 min ⁻¹	12 x 7 ml	1133	5
	angle rotor, 12-place	35°	6,000 min ⁻¹	12 x 15 ml	1139	6

Swing-out rotor, 6-place | 1146

	
Rotor	
max. RPM	EBA 280 EBA 280 S 4,700 min ⁻¹ 6,000 min ⁻¹
max. RCF	3,112 5,071
max. capacity	6 x 15 ml
run up / run down, braked in sec	9 / 11 11 / 13
angle max. noise level	90° 49 dB (A)
Cat. No.	1146

	
Bucket	
Cat. No.	1147-6 (6 pcs.)



	Pediatric	microliter tubes			tubes ²⁾				blood collection / urine tubes							
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	4.5-5	4.9	7.5–10	1.6–5	
Ø x L in mm	10.7 x 46	11 x 38	11 x 38	10 x 88	12 x 75	12 x 82	17 x 100	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	15/16 x 92	13 x 75	
max. RCF ²⁾	EBA 280 1,877	1,902	1,902	3,112	2,618	2,865	3,112	2,618	2,618	2,618	3,112	3,112	3,112	3,112	2,618	
max. RCF ²⁾	EBA 280 S 3,059	3,099	3,099	5,071	4,266	4,669	5,071	4,266	4,266	4,266	5,071	5,071	5,071	5,071	4,266	
radius in mm	76	77	77	126	106	116	126	106	106	106	126	126	126	126	106	
																
Adapter																
boring Ø x L in mm	11 x 35	11 x 35	11 x 35	17.5 x 80	13.5 x 59	17.5 x 80	17.5 x 80	13.5 x 59	13.5 x 59	13.5 x 59	17.5 x 80	17.5 x 80	17.5 x 80	17.5 x 80	13.5 x 59	
vessels per rotor	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Cat. No.	1063-6 (6 pcs.)			-	1053-6	0767-6	-	1053-6 (6 pcs.)			-	-	-	-	1053-6	

	blood collection/urine tubes			
Vessels				
capacity in ml	4-7	4-7	8.5-10	12
Ø x L in mm	16 x 75	13 x 100	16 x 100	17 x 102
max. RCF ²⁾	EBA 280 2,865	3,112	3,112	3,112
max. RCF ²⁾	EBA 280 S 4,669	5,071	5,071	5,071
radius in mm	116	126	126	126
+				
Adapter				
boring Ø x L in mm	17.5 x 80	13.5 x 79	17.5 x 80	17.5 x 80
vessels per rotor	6	6	6	6
Cat. No.	0767-6	1058	-	-

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.

— Swing-out rotor, 8-place | 1148



Rotor

max. RPM max. RCF	5,000 min ⁻¹ 2,991
max. capacity	8 x 10 ml
run up run down, braked in sec	8 10
angle max. noise level	90° 50 dB (A)
Cat. No.	1148



Vessels

	tubes ²⁾			blood collection / urine tubes				
capacity in ml	5	6	10	2.6–3.4	2.7–3	4–5.5	1.6–5	4–7
Ø x L in mm	12 x 75	12 x 82	17 x 70	13 x 65	11 x 66	15 x 75	13 x 75	16 x 75
max. RCF ²⁾	2,991	2,991	2,991	2,991	2,991	2,991	2,991	2,991
radius in mm	107	107	107	107	107	107	107	107



Bucket

boring Ø x L in mm	13 x 53	13 x 53	17.5 x 53	13 x 53	13 x 53	17.5 x 53	13 x 53	17.5 x 53
vessels per rotor	8	8	8	8	8	8	8	8
Cat. No.	1131-A	1131-A	1132-A	1131-A	1131-A	1132-A	1131-A	1132-A

— Swing-out rotor, 12-place | 1142



Rotor

max. RPM max. RCF	5,000 min ⁻¹ 2,963
max. capacity	12 x 5 ml
run up run down, braked in sec	10 12
angle max. noise level	60° 49 dB (A)
Cat. No.	1142



Vessels

capacity in ml	5	2.6–3.4	2.7–3	1.6–5
Ø x L in mm	13 x 75	13 x 65	11 x 66	13 x 75
max. RCF ²⁾	2,963	2,963	2,963	2,963
radius in mm	106	106	106	106



Bucket

boring Ø x L in mm	13.2 x 53	13.2 x 53	13.2 x 53	13.2 x 53
vessels per rotor	12	12	12	12
Cat. No.	1127-A	1127-A	1127-A	1127-A

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.

Angle rotor, 6-place | 1137



Rotor

max. RPM max. RCF	6,000 min ⁻¹ 4,025
max. capacity	6 x 50 ml
run up run down, braked in sec	20 17
angle max. noise level	35° 47 dB (A)
Cat. No.	1137



Vessels

	tubes ²⁾				blood collection / urine tubes				tubes with screw cap			
capacity in ml	7	15	25	50	9-10	10	1.6-5	4-7	15	50	30	50
Ø x L in mm	12 x 100	17 x 100	24 x 100	34 x 100	16 x 92	15 x 102	13 x 75	13 x 100	17 x 120	29 x 115	26 x 95	29 x 107
max. RCF ²⁾	3,944	3,783	3,703	4,025	3,783	3,783	2,978	3,783	3,824	3,824	3,703	3,904
radius in mm	98	94	92	100	94	94	74	94	95	95	92	97



Adapter

	tubes ²⁾				blood collection / urine tubes				tubes with screw cap			
boring Ø x L in mm	13 x 92	17.5 x 95	26 x 88	35 x 96	17.5 x 95	17.5 x 95	17.5 x 95	17.5 x 95	17 x 98	30 x 98	26 x 88	29 x 95
vessels per rotor	18	6	6	6	6	6	6	6	6	3	6	6
Cat. No.	1632	1635	1633	-	1635	1635	1635	1635	1631	1641	1633	1634

Angle rotor, 12-place | 1133



Rotor

max. RPM max. RCF	5,000 min ⁻¹ 2,879
max. capacity	12 x 7 ml
run up run down, braked in sec	8 10
angle max. noise level	35° 51 dB (A)
Cat. No.	1133



Vessels

	tubes ²⁾		
capacity in ml	5	6	7
Ø x L in mm	12 x 75	12 x 82	12 x 100
max. RCF ²⁾	2,879	2,879	2,879
radius in mm	103	103	103



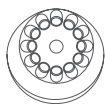
Adapter

boring Ø x L in mm	12.5 x 66	12.5 x 66	12.5 x 66
vessels per rotor	12	12	12
Cat. No.	-	-	-

What makes the 1133 rotor special is its adapters with a decanting aid. The decanting aid firmly holds the tube and keeps it from falling out when the supernatant is decanted. The 1133 rotor is often used in blood typing serology.

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.

Angle rotor, 12-place | 1139



Rotor

max. RPM max. RCF	6,000 min ⁻¹ 4,146
max. capacity	12 x 15 ml
run up run down, braked in sec	16 16
angle max. noise level	35° 50 dB (A)
Cat. No.	1139



	Pediatric	microliter tubes			tubes ²⁾				blood collection / urine tubes									
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	7.5–10	10	1.6–5			
Ø x L in mm	10.7 x 46	11 x 38	11 x 38	10 x 88	12 x 75	12 x 82	17 x 100	8 x 66	13 x 65	11 x 66	11 x 92	13 x 90	15/16 x 92	15 x 102	13 x 75			
max. RCF ²⁾	2,777	2,737	2,737	3,300	3,300	3,300	4,146	3,300	3,300	3,300	4,146	4,146	4,146	4,146	3,300			
radius in mm	69	68	68	82	82	82	103	82	82	82	103	103	103	103	82			
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	13.5 x 60	13.5 x 60	17.7 x 88	17.7 x 88	13.5 x 60			
vessels per rotor	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
Cat. No.		1063-6 (6 uds.)			6305	1054-A	1054-A	-	1054-A	1054-A	1054-A	1054-A	1054-A	-	-	1054-A		

	blood collection / urine tubes					-
Vessels						
capacity in ml	4–7	8	8.5–10	12	15	
Ø x L in mm	13 x 100	16 x 125	16 x 100	17 x 102	17 x 120	
max. RCF ²⁾	4,146	4,146	4,146	4,146	4,146	
radius in mm	103	103	103	103	103	
Adapter						
boring Ø x L in mm	13.5 x 79	17.7 x 88	17.7 x 88	13.5 x 60	17.7 x 88	
vessels per rotor	12	6	12	12	6	
Cat. No.	1058	-	-	1054-A	-	

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.

Certifications / Registrations

Product certification:



Product registration:



Company certifications:



Dimensions – EBA 280 | 280 S

