

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 9 multiple program settings.

— FEATURES

- 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) (EBA 280)
- Impulse key for short cycle mode
- 9 individual acceleration and 10 deceleration stages
- Easy operation with keypad
- 9 programmable memory settings

— FIELDS OF APPLICATION

- Small laboratories
- Hospitals
- Blood banks
- Physician's Office Laboratory (POL)



Centrifuge packages for the model can be found on page 28



More information about the control panel can be found on page 202



according to regulation (EU) 2017/746

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 (WxDxH)	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	24
 swing-out rotor, 8-place	90°	5,000 min ⁻¹	8 x 10 ml	1148	25
 swing-out rotor, 12-place	60°	5,000 min ⁻¹	12 x 5 ml	1142	25

ANGLE ROTORS

 angle rotor, 6-place	35°	6,000 min ⁻¹	6 x 50 ml	1137	26
 angle rotor, 12-place	35°	5,000 min ⁻¹	12 x 7 ml	1133	26
 angle rotor, 12-place	35°	6,000 min ⁻¹	12 x 15 ml	1139	27

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.)
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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	10.7x46	11 x 38	11 x 38	10x88	12x75	12x82	17x100	8x66	13x65	11x66	15x75	11x92	13x90	15/16x92	13x75
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	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	4,266
radius in mm	76	77	77	126	106	116	126	106	106	106	126	126	126	126	106
Cat. No.	Pediatric	microliter tubes			tubes²⁾			blood collection / urine tubes							

Adapter

boring Ø x L in mm	11 x 35	11 x 35	11 x 35	17.5x80	13.5x59	17.5x80	17.5x80	13.5x59	13.5x59	13.5x59	17.5x80	17.5x80	17.5x80	17.5x80	17.5x80	13.5x59
vessels per rotor	6	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

Vessels

capacity in ml	4-7	4-7	8.5-10	12
Ø x L in mm	16x75	13x100	16 x 100	17x102
max. RCF ²⁾	EBA 280	2,865	3,112	3,112
max. RCF ²⁾	EBA 280 S	4,669	5,071	5,071
radius in mm	116	126	126	126
Cat. No.	blood collection/urine tubes			

Adapter

boring Ø x L in mm	17.5x80	13.5x79	17.5x80	17.5x80
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

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
Cat. No.	tubes²⁾			blood collection / urine tubes				



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
Cat. No.	tube²⁾	blood collection / urine tubes		



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

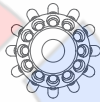
capacity in ml	7	15	25	50	9-10	10	1.6-5	4-7	15	50	30	50
Ø x L in mm	12 x 100	17 x 100	24 x 100	34 x 100	16 x 92	15 x 102	13 x 75	13 x 100	17 x 120	29 x 115	26 x 95	29 x 107
max. RCF ²⁾	3,944	3,783	3,703	4,025	3,783	3,783	2,978	3,783	3,824	3,824	3,703	3,904
radius in mm	98	94	92	100	94	94	74	94	95	95	92	97
Cat. No.	tubes ²⁾			blood collection / urine tubes				tubes with screw cap				



Adapter

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

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
Cat. No.	tubes ²⁾		



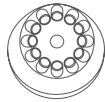
Adapter

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



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
Cat. No.	Pediatric	microliter tubes		tubes²⁾				blood collection / urine tubes							



Adapter

boring Ø x L in mm	11 x 35	11 x 35	11 x 35	11,5x67,5	13,5x60	13,5x60	17,7x88	13,5x60	13,5x60	13,5x60	13,5x60	13,5x60	13,5x60	17,7x88	17,7x88	13,5x60
vessels per rotor	12	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	-	-	1054-A

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
Cat. No.	blood collection / urine tubes				-



Adapter

boring Ø x L in mm	13,5x79	17,7x88	17,7x88	13,5x60	17,7x88
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.

PACKAGES

EBA 280 SEROLOGY PACKAGE 1

		number of vessels	volume (ml)	size (mm)	RPM	RCF
- 1 x EBA 280 centrifuge	1101	12	1.6 - 5	13 x 75	5,000	2,963
- 1 x swing-out rotor, 12-place	1142					
- 12 x bucket	1127-A					

1101SET1

EBA 280 BLOOD TUBE PACKAGE 2

		number of vessels	volume (ml)	size (mm)	RPM	RCF
- 1 x EBA 280 centrifuge	1101	6	1.1 - 5	13 x 75	4,700	2,618
- 1 x swing-out rotor, 6-place	1146	6	4 - 7	13 x 100	4,700	3,112
- 1 x bucket (set)	1147-6	6	4 - 7	16 x 75	4,700	2,865
- 1 x adapter (set), 1-place	1053-6					
- 6 x adapter, 1-place	1058					
- 1 x spacer (set)	0767-6					

1101SET2

EBA 280 BLOOD TUBE PACKAGE 3

		number of vessels	volume (ml)	size (mm)	RPM	RCF
- 1 x EBA 280 centrifuge	1101	12	1.6 - 5	13 x 75	6,000	3,381
- 1 x angle rotor, 12-place	1139	12	4 - 7	13 x 100	6,000	4,146
- 12 x adapter, 1-place	1059					
- 12 x adapter, 1-place	1058					

1101SET3

EBA 280 BLOOD TUBE PACKAGE 4

		number of vessels	volume (ml)	size (mm)	RPM	RCF
- 1 x EBA 280 centrifuge	1101	8	1.6 - 6	13 x 75	5,000	2,991
- 1 x swing-out rotor, 8-place	1148	8	4 - 10	16 x 75	5,000	2,991
- 8 x bucket	1131-A					
- 8 x bucket	1132-A					

1101SET4

EBA 280 SEROLOGY DECANTING PACKAGE 5

		number of vessels	volume (ml)	size (mm)	RPM	RCF
- 1 x EBA 280 centrifuge	1101	12	5 - 7	12 x 75 / 100	5,000	2,879
- 1 x angle rotor, 12-place	1133					

1101SET5

EBA 280 S BLOOD TUBE PACKAGE 1

		number of vessels	volume (ml)	size (mm)	RPM	RCF
- 1 x EBA 280 S centrifuge	1102	6	1.1 - 5	13 x 75	6,000	4,266
- 1 x swing-out rotor, 6-place	1146	6	4 - 7	13 x 100	6,000	5,071
- 1 x bucket (set)	1147-6	6	4 - 7	16 x 75	6,000	4,669
- 1 x adapter (set)	1053-6					
- 6 x adapter, 1-place	1058					
- 1 x spacer (set)	0767-6					

1102SET1



PRODUCT VIDEOS

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