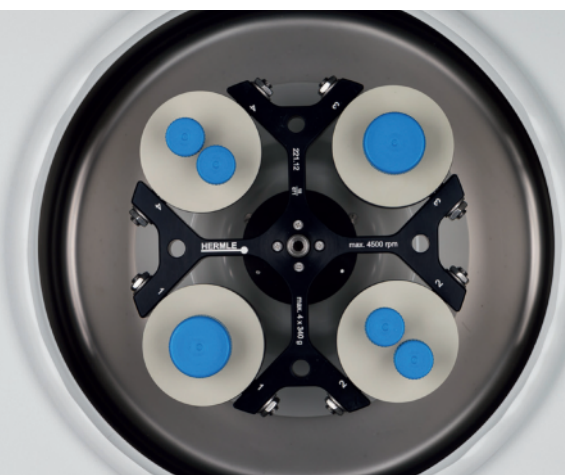


Universal Centrifuge

| Z307



HERMLE
Benchmark 

4 x 200 ml

Z307



The Z307 compact universal laboratory centrifuge offers a wide range of applications covering clinical, research, and industrial laboratory use. The Z307 offers many accessories, including rotors for microplates and high speed fixed angle rotors for microtubes and centrifuge tubes up to 50 ml. The swing out rotors can load all common tubes such as blood collection tubes, 15/50 ml tubes and even 200 ml tubes. This wide range of accessories makes the Z307 laboratory centrifuge indispensable in research laboratories and clinical hospital laboratories.

Technical Data

max. Speed:	14,000 rpm
max. RCF:	18,624 xg
max. Volume:	4 x 200 ml
Speed range:	200 – 14,000 rpm
Running time:	59 min 50 s / 10 s increments 99 h 59 min / 1 min increments
Dimensions:	14 in x 13 in x 18.6 in 35.5 cm x 33 cm x 47.4 cm (W x H x D)
Weight:	66 lbs / 30 kg
Order No:	Z307, 120 V 50 - 60 Hz / 240 W Z307-E, 230 V 50 - 60 Hz / 300 W



Specifications

- Maintenance-free induction drive
- Microprocessor with large LCD display
- Lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance identification and cut-off (rotor-specific)
- Imbalance tolerant drive
- A large variety of rotors and accessories
- Manufactured according to international safety regulations, i.e. IEC 61010
- Audible signal at the end of each run with several melody options
- Rotor exchange is easy to handle
- Noise level under 63 dBA at max. speed
- Improved ventilation system keeps samples cool
- Stainless steel chamber

Distinct Control Panel

- Simple one handed Touch-Operation
- Easy to program with gloves on
- Splash proof digital display
- Permanent indication of Preset and Actual Values
- Selection of speed in both rpm and g-force, with increments of 10
- 10 acceleration and 10 deceleration rates, Possibility of brakeless deceleration
- Pre-selection of running time from 10 s to 99 h 59 min or continuous
- Storage of up to 99 runs incl. rotor type
- Quick-key for short runs
- Diagnostic program
- Color visual representation of the operating state such as run completed, standby or centrifugation

Accessories Z307

Rotor/Bucket

Order No.:
Z327-200

Swing out rotor 4 Place w/ buckets
Angle: 0-90°
(w/o buckets: Z327-200-AC)

Z327-200-BUK
Bucket for Adapter

Z327-200-LID
Lid for Bucket | hermetically sealed



Adapter

Acceleration in s: 17/97
Deceleration in s: 14/256
max. Speed: 4,500 rpm
RCF-value: 3,350 xg
max. Radius: 14.8 cm

Volume
Tubes Ø in mm

200 ml
Bottle
56

112
4
0.0
without Adapter

200 ml
conical
56



120
4
0.0
A200

100 ml
RB Glass
40



95/115
4
0.2
A100

85 ml
RB/OR
38



95/108
4
0.2
A85

Length min./max. (mm)
Tubes per rotor
Radius correction (cm)
Order No. Adapter: Z327-200-____

Volume
Tubes Ø in mm

50 ml
RB/OR
29



95/103
4
0.2
A50R

50 ml
conical
29



116
4
0.1
A50

50 ml
skirted
29



116
4
0.2
A50SS

25/30 ml
Universal
25



95/105
4
0.2
A25

25/30 ml
RB/OR
25



90/110
4
0.2
A30

15 ml
conical
17



120
16
0.1
A15B*

15 ml
conical
17



120
12
0.0
A15

15 ml
RB
17



60/107
28
0.2
A15R

5/7 ml
RB
13



65/100
32
0.2
A57

5 ml
conical
17



60/70
20
0.1
A5F

1.5/2.0 ml
micro
11



40
32
0.1
A20

6-10 ml
Vakut.®
16



130
4
0.2
A15L

6-10 ml
Vakut.®
16



100
28
0.2
A10

1.8-7 ml
Vakut.®
13



75/100
32
0.2
A57

50 ml
conical
29



116
8
0.0
B50

Length min./max. (mm)
Tubes per Rotor
Radius correction (cm)
Order No. Adapter: Z327-200-____

*only without Bucket Lid

Order No.:
Z326-100H

Swing out rotor 4 Places
w/ sealed buckets
Angle: 0-90°

Z326-100H-BUK
Bucket for Tube Rack w/ lid

Z326-100H-LID
Lid for bucket



Acceleration in s: 15/100
Deceleration in s: 15/150
max. Speed: 4000 rpm
RCF-value: 2611 xg
max. Radius: 14.6 cm

Volume
Tubes ø in mm

100 ml
RB Glass
40



90/108
4
0.9
A100

85 ml
RB/OR
38



90/108
4
0.6
A85

50 ml
RB/OR
29



90/133
4
0.6
A50R

50 ml
Falcon®
29



116
4
0.4
A50

Length min./max. in mm
Tubes per rotor
Radius correction (cm)
Order-No.: Z326-100H-____

Volume
Tubes Ø in mm

50 ml
skirted
29



116
4
0.7
A50SS

30 ml
Universal
25



95/105
4
1.5
A30

15 ml
Falcon®
17



120
4
0.5
A15S

15 ml
Falcon®
17



120
8
0.5
A15*

15 ml
RB Glass
17



90/108
16
0.6
A15R

6-10 ml
Vakut.®
16



75/100
16
0.6
A10

10-15 ml
Vakut.®
16



75/125
4
0.6
A15L*

1.8-7 ml
Vakut.®
13



75/100
16
0.6
A57

1.5 ml
Reakt.
11



42
20
0.6
A20

50 ml
Falcon®
29



116
8
0.0
B50

15 ml
Falcon®
17



120
12
0.0
B15

Length min./max. (mm)
Tubes per rotor
Radius Correction (cm)
Order No. Tube rack

* only without bucket lid

Order No.:
Z306-100



Swing out rotor 4 Places
Angle: 0-90°

Acceleration in s: 13/110
Deceleration in s: 18/158
max. Speed: 4,500 rpm
RCF-value: 3,350 xg
max. Radius: 14.8 cm

Volume
Tubes Ø in mm

145 ml
Nalgene®
50



100
4
1.0
A145

100 ml
RB Glass
44



90/108
4
1.0
A100

85 ml
RB/OR
38



90/108
4
0.8
A85

50 ml
RB Glass
29



90/118
4
0.7
A50R

50 ml
conical
29



116
4
0.3
A50

Length min./max. (mm)
Tubes per Rotor
Radius correction (cm)
Order No. Adapter: Z306-100-____

Volume
Tubes Ø in mm

50 ml
skirted
29



116
4
0.6
A50SS

30 ml
Universal
25



95/105
4
1.1
A30

15 ml
conical
17



120
8
0.0
A15

15 ml
RB
17



90/108
28
0.4
A57

6-10 ml
Vakut.®
16



90/108
28
0.4
A10

1.8-7 ml
Vakut.®
13



75/100
28
0.7
A57

5/7 ml
RB Glass
13



75/100
36
1.3
A57B

1.5/2.0 ml
micro
11



40
40
5.5
A20

Length min./max. (mm)
Tubes per Rotor
Radius correction (cm)
Order No. Adapter: Z306-100-____

Order No.:
Z326-02MP






Swing out rotor 2x3 Microplates
Angle: 0-90°

Acceleration in s: 24/220
Deceleration in s: 24/339
max. Speed: 4,500 rpm
RCF-value: 2,716 xg
max. Radius: 12.0 cm
max. Loading height: 63 mm
max. Loading weight: 310 g

Order No.:
BT1500-A1520
BT1500-A05
Z326-MPCA

Tube rack
20 x 1.5 ml (2.0ml) Tubes
20 x 0.5 ml
3 x Chamber Slide or 30/60 mm petri dish

Accessoires Z307

Rotor/Bucket		Adapter				
<div>Order No.: Z326-3015</div> <div></div> <div>Angle rotor 30 x 15 ml Glass or 20 x 15 ml conical Angle: 35°</div>	<div>Acceleration in s: 18/155 Deceleration in s: 18/369 max. Speed: 4,500 rpm RCF-value: 2,830 xg max. Radius: 12.5/10.9 cm max. Ø: 17 mm</div>	<div>Order No.: without without C3100-ADP</div>	<div>Adapter 1 x 15ml Glass 1 x 15ml conical 1 x 5/7ml</div>	<div>Ø [mm] 17.0 17.0 13</div>	<div>Length [min./max.]: 95/115 120 75/100</div>	
<div>Order No.: Z326-1215</div> <div></div> <div>Angle rotor 12 x 15 ml Angle: 32°</div>	<div>Acceleration in s: 13/101 Deceleration in s: 11/285 max. Speed: 6,000 rpm RCF-value: 4,427 xg max. Radius: 11.0 cm max. Ø: 17 mm</div>	<div>Volume</div> <div></div> <div>Tubes Ø in mm Length min./max. in mm Order No. Adapter</div>	<div>15 ml conical 15 ml 4-7ml Vakut.® 1.8-5 ml Vakut.®</div> <div>17 120 without 17 105/120 without 13 100 C3100-ADP 13 75 C3100-ADP</div>			
<div>Order No.: Z326-0650-LS</div> <div></div> <div>Angle rotor 6 x 50 ml Angle: 40°</div>	<div>Acceleration in s: 14/102 Deceleration in s: 11/304 max. Speed: 6,000 rpm RCF-value: 4,424 xg max. Radius: 11.0 cm max. Ø: 29 mm</div>	<div>Volume</div> <div></div> <div>Tubes Ø in mm Length min./max. in mm Order No. Adapter</div>	<div>50 ml conical 50 ml RB/OR 15 ml conical 7 ml 5 ml</div> <div>29 116 without 29 100/120 without 17 120 Z206-50-A15 17 97/120 Z206-50-A57 18 100/105 Z206-50-A57C* *with Z206-50-A57</div>			
<div>Order No.: Z326-1205</div> <div></div> <div>Angle rotor 12 x 5 ml Tubes Angle: 45°</div>	<div>Acceleration in s: 27/238 Deceleration in s: 22/206 max. Speed: 14,000 rpm RCF-value: 18,624 xg max. Radius: 8.5 cm max. Ø: 11 mm</div>	<div>Order No.: without Z216-05-C10 Z216-05-C18</div>	<div>Adapter 1 x 5.0ml conical 1 x 1.0ml Cryo, flat 1 x 1.8ml Cryo, round</div>	<div>Ø [mm] 17 12.6 12.6</div>	<div>Length [min./max.]: 60 41 48</div>	
<div>Order No.: Z326-2420</div> <div></div> <div>Plastic-Lid Angle rotor 24 x 1.5/2.0 ml Angle: 45° hermetically sealed</div>	<div>Acceleration in s: 23/207 Deceleration in s: 34/215 max. Speed: 14,000 rpm RCF-value: 18,624 xg max. Radius: 8.5 cm max. Ø: 11 mm</div>	<div>Order No.: without without C1008-A5-6 C1008-A2-6</div>	<div>Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR</div>	<div>Ø [mm] 11 11 8 6</div>	<div>Length [min./max.]: 40 40 45 45</div>	
<div>Order No.: Z326-2420H</div> <div></div> <div>Aluminum-Lid Angle rotor 24 x 1.5/2.0 ml Angle: 45° hermetically sealed</div>	<div>Acceleration in s: 23/206 Deceleration in s: 33/196 max. Speed: 14,000 rpm RCF-value: 18,624 xg max. Radius: 8.5 cm max. Ø: 11 mm</div>	<div>Order No.: without without C1008-A5-6 C1008-A2-6</div>	<div>Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR</div>	<div>Ø [mm] 11 11 8 6</div>	<div>Length [min./max.]: 40 40 45 45</div>	
<div>Order No.: Z326-3020H</div> <div></div> <div>Angle rotor 30 x 1.5/2.0 ml Angle: 45°</div>	<div>Acceleration in s: 26/244 Deceleration in s: 33/349 max. Speed: 12,000 rpm RCF-value: 15,131 xg max. Radius: 9.4 cm max. Ø: 11 mm</div>	<div>Order No.: without without C1008-A5-6 C1008-A2-6</div>	<div>Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR</div>	<div>Ø [mm] 11 11 8 6</div>	<div>Length [min./max.]: 40 40 45 45</div>	

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