

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 50ml. 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

200 ml
conical
56

100 ml
RB Glass
40

85 ml
RB/OR
38



Length min./max. (mm)

Tubes per rotor

Radius correction (cm)

Order No. Adapter: Z327-200-___

112
4
0.0
without Adapter

120
4
0.0
A200

95/115
4
0.2
A100

95/108
4
0.2
A85

Volume

Tubes Ø in mm

50 ml
RB/OR
29

50 ml
conical
29

50 ml
skirted
29

25/30 ml
Universal
25

25/30 ml
RB/OR
25

15 ml
conical
17

15 ml
conical
17

15 ml
RB
17

5/7 ml
RB
13

5 ml
conical
17

1.5/2.0 ml
micro
11

6-10 ml
Vakut.®
16

6-10 ml
Vakut.®
16

1.8-7 ml
Vakut.®
13

50 ml
conical
29



Length min./max. (mm)

Tubes per Rotor

Radius correction (cm)

Order No. Adapter: Z327-200-___

95/103
4
0.2
A50R

116
4
0.1
A50

116
4
0.2
A50SS

95/105
4
0.2
A25

90/110
4
0.2
A30

120
16
0.1
A15B*

120
12
0.0
A15

60/107
28
0.2
A10

65/100
32
0.2
A57

60/70
20
0.1
A5F

40
32
0.1
A20

130
4
0.2
A15L

100
28
0.2
A10

75/100
32
0.2
A57

116
8
0.0
B50

*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

85 ml
RB/OR
38

50 ml
RB/OR
29

50 ml
Falcon®
29



Length min./max. in mm

Tubes per rotor

Radius correction (cm)

Order-No.: Z326-100H-___

90/108
4
0.9
A100

90/108
4
0.6
A85

90/133
4
0.6
A50R

116
4
0.4
A50

Volume

Tubes Ø in mm

50 ml
skirted
29

30 ml
Universal
25

15 ml
Falcon®
17

15 ml
Falcon®
17

15 ml
RB Glass
17

6-10 ml
Vakut.®
16

10-15 ml
Vakut.®
16

1.8-7 ml
Vakut.®
13

1.5 ml
Reakt.
11

50 ml
Falcon®
29

15 ml
Falcon®
17



Length min./max. (mm)

Tubes per rotor

Radius Correction (cm)

Order No. Tube rack

116
4
0.7
A50SS

95/105
4
1.5
A30

120
4
0.5
A15S

120
8
0.5
A15*

90/108
16
0.6
A15R

75/100
16
0.6
A10

75/125
4
0.6
A15L*

75/100
16
0.6
A57

42
20
0.6
A20

116
8
0.0
B50

120
12
0.0
B15

* 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 ml
RB Glass
44

85 ml
RB/OR
38

50 ml
RB Glass
29

50 ml
conical
29



Length min./max. (mm)

Tubes per Rotor

Radius correction (cm)

Order No. Adapter: Z306-100-___

100
4
1.0
A145

90/108
4
1.0
A100

90/108
4
0.8
A85

90/118
4
0.7
A50R

116
4
0.3
A50

Volume

Tubes Ø in mm

50 ml
skirted
29

30 ml
Universal
25

15 ml
conical
17

15 ml
RB
17

6-10 ml
Vakut.®
16

1.8-7 ml
Vakut.®
13

5/7 ml
RB Glass
13

1.5/2.0 ml
micro
11



Length min./max. (mm)

Tubes per Rotor

Radius correction (cm)

Order No. Adapter: Z306-100-___

116
4
0.6
A50SS

95/105
4
1.1
A30

120
8
0.0
A15

90/108
28
0.4
A10

90/108
28
0.4
A10

75/100
28
0.7
A57

75/100
36
1.3
A57B

40
40
5.5
A20

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				
Order No.: Z326-3015  Angle rotor 30 x 15 ml Glass or 20 x 15 ml conical Angle: 35°	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	Order No.: without without C3100-ADP	Adapter 1 x 15ml Glass 1 x 15ml conical 1 x 5/7ml	Ø [mm] 17.0 17.0 13	Length [min./max.]: 95/115 120 75/100	
Order No.: Z326-1215  Angle rotor 12 x 15 ml Angle: 32°	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	Volume  Tubes Ø in mm Length min./max. in mm Order No. Adapter 17 120 without 17 105/120 without 13 100 C3100-ADP 13 75 C3100-ADP				
Order No.: Z326-0650-LS  Angle rotor 6 x 50 ml Angle: 40°	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	Volume  Tubes Ø in mm Length min./max. in mm Order No. Adapter 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				
Order No.: Z326-1205  Angle rotor 12 x 5 ml Tubes Angle: 45°	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	Order No.: without Z216-05-C10 Z216-05-C18	Adapter 1 x 5.0ml conical 1 x 1.0ml Cryo, flat 1 x 1.8ml Cryo, round	Ø [mm] 17 12.6 12.6	Length [min./max.]: 60 41 48	
Order No.: Z326-2420  Plastic-Lid Angle rotor 24 x 1.5/2.0 ml Angle: 45° hermetically sealed	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	Order No.: without without C1008-A5-6 C1008-A2-6	Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø [mm] 11 11 8 6	Length [min./max.]: 40 40 45 45	
Order No.: Z326-2420H  Aluminum-Lid Angle rotor 24 x 1.5/2.0 ml Angle: 45° hermetically sealed	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	Order No.: without without C1008-A5-6 C1008-A2-6	Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø [mm] 11 11 8 6	Length [min./max.]: 40 40 45 45	
Order No.: Z326-3020H  Angle rotor 30 x 1.5/2.0 ml Angle: 45°	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	Order No.: without without C1008-A5-6 C1008-A2-6	Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø [mm] 11 11 8 6	Length [min./max.]: 40 40 45 45	