

# Universal Centrifuges

■ Z366

■ Z366-K



**HERMLE**  
**Benchmark** 

6 x 250 ml

# Z366

# Z366-K



## Specifications

- Maintenance-free induction drive
- Microprocessor with large LCD display
- Motor driven 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)
- CFC-free refrigeration system
- A large variety of rotors and accessories
- Audible signal at the end of each run with several melody options
- Noise level < 63 dBA (depend on rotor)
- Manufactured according to international safety regulations, i.e. IEC 61010
- Stainless steel chamber

For applications requiring increased capacity over the Z306 or Z326 series centrifuges, the Z366 series offer a unique "Mid-Range" swing out rotor that accepts a variety of different tubes, including up to 16 x 50ml or 40 x 15ml. Despite this step up in capacity, the Z366 maintains a surprisingly compact design, with the standard air-cooled model featuring a footprint of 17 x 20 inches. In addition to the popular 4 x 250ml swing out rotor, a variety of additional rotors are also available. Angled rotors range from a 24 x 1.5ml micro rotor to a high capacity 6 x 250ml rotor. A 2 x 3 position microplate rotor is also available, as well as a 4 x PCR strips (8-strips).

## Technical Data

max. Speed:	15,000 / 16,000 rpm
max. RCF:	21,379 / 24,325 xg
max. Volume:	6 x 250 ml
Speed range:	200 - 15,000 / 16,000 rpm
Temperature range Z366-K:	-20°C to 40°C
Running time:	99 h 59 min / 59 min 50 s in 1 min / 10 s increments

## Dimensions

Z366:	17 in x 14 in x 20 in (W x H x D) 43 cm x 36 cm x 51 cm (W x H x D)
Z366-K:	28.3 in x 14 in x 20 in (W x H x D) 72 cm x 36 cm x 51 cm (W x H x D)

## Weight:

Z366:	114.5 lbs / 52 kg
Z366-K:	170 lbs / 77 kg

## Power input:

Z366:	520 W
Z366-K:	785 W

## Order numbers:

Z366:	Z366, 120 V / 50 - 60 Hz Z366, 230 V / 50 - 60 Hz
Z366-K:	Z366-K, 120 V / 50 - 60 Hz Z366-K, 230 V / 50 - 60 Hz



## Distinct Control Panel

- Simple one handed operation
- Easy to program with gloves on
- Foil keyboard
- Permanent indication of preset and actual values
- Selection of speed in both rpm and g-force, with increments of 10
- 10 acceleration and deceleration rates, possibility of unbraked deceleration
- Temperature range from -20°C to 40°C with 1°C increments
- Pre-cooling program
- Standstill cooling
- Pre-selection of the running time from 10 s to 99 h 59 min or continuous
- Storage of up to 99 runs including rotor
- Quick-key for short runs
- Timer: the centrifuge starts at the preselected time

# Accessories Z366 and Z366-K

Rotor/Bucket		Adapter						
<b>Order No.:</b> <b>Z366-250</b> Swing out rotor 4 place Angle: 0-90°		Acceleration in s: 34/309 Deceleration in s: 36/458 Max. speed: 4,500 rpm Max. RCF: 3,780 xg Max. radius: 16.7 cm Temp. at max. speed: -2°C	<b>Volume</b> ø in mm	250 ml	100 ml	50 ml	50 ml	
				62	41	29	29 conical	
Z366-250-LID PC-Screw cap		Length min./max. (mm) <b>Tubes per rotor</b> Radius correction (cm) <b>Order No. Tube rack:</b>	Length min./max. (mm) <b>Tubes per rotor</b> Radius correction (cm) <b>Order No. Tube rack:</b>					
-A250	-A100			-A50R	-A50			
<b>Volume</b> ø in mm	15 ml	1.8-7 ml	6-10 ml	1.5-2.0 ml				
	17 conical	13 Vacutainer®	16 Vacutainer®	11				
Length min./max. (mm) <b>Tubes per rotor</b> Radius correction (cm) <b>Order No. Tube rack:</b>					*only possible with adapter -A250			
	120	75/100	75/100	40				
	28	56	32	36				
	0.0	0.5	0.1	0.8				
	-A15	-A57	-A10	-A20*				
<b>Order No.:</b> <b>Z366-250-HC</b> Swing out rotor 4 place Angle: 0-90°		Acceleration in s: 34/311 Deceleration in s: 36/387 Max. speed: 4,500 rpm Max. RCF: 3,735 xg Max. radius: 16.5 cm Temp. at max. speed: -2°C	<b>Volume</b> ø in mm	250 ml	50 ml	15 ml	1.8-7 ml	6-10 ml
				62	29 conical	17 conical	13 Vacutainer®	16 Vacutainer®
		Length min./max. (mm) <b>Tubes per rotor</b> Radius correction (cm) <b>Order No. Tube rack:</b>	Length min./max. (mm) <b>Tubes per rotor</b> Radius correction (cm) <b>Order No. Tube rack:</b>					
				-B250	-B50	-B15	-B57	-B10
				122	116	120	75/100	75/100
				4	16	40	56	48
				0.0	0.0	0.0	0.5	0.1
				-B250	-B50	-B15	-B57	-B10
<b>Order No.:</b> <b>Z326-02MP</b>		Acceleration in s: 43/432 Deceleration in s: 38/616 Max. speed: 4,500 rpm Max. RCF: 2,716 xg Max. radius: 12 cm max. loading height: 63 mm max. loading weight: 310 g Temp. at max. speed: -3°C	<b>Order No.:</b> BT1500-A1520 BT1500-A05 Z326-MPCA	<b>Tube rack</b> 20 x 1.5 ml (2.0 ml) Tubes 20 x 0.5 ml Tubes 3 x Chamber slide or 35/60 mm petri dish				
<b>Order No.:</b> <b>Z366-06250</b>		Acceleration in s: 130/664 Deceleration in s: 83/2,906 Max. speed: 8,000 rpm Max. RCF: 10,016 xg Max. radius: 14 cm Max. Ø: 62 mm Temp. at max. speed: 3°C	<b>Order No.:</b> without Adapter Z366-06250-A225C Z366-06250-A50 Z366-06250-A50R Z366-06250-A30 Z366-06250-A15	<b>Tube rack</b> 1 x 250 ml 1 x 175/225 ml conical** 1 x 50 ml conical 1 x 50 ml 2 x 30 ml 4 x 15 ml conical	<b>Ø (mm)</b> 62 61 29 29 26 17	<b>Length (min./max.)</b> 122 118/137 118 103 92 120		
							** Bottles available for order	
Angle rotor 6 x 250 ml Angle: 28°					Volume Part No.:	175 / 225 ml C0175 / C0225		
<b>Order No.:</b> <b>Z326-0685</b>		Acceleration in s: 72/697 Deceleration in s: 62/1,714 Acceleration in s: 118/825 Deceleration in s: 76/1,630 Max. speed: 11,000/13,000 rpm Max. RCF: 15,555/21,726 xg Max. radius: 11.5 cm Max. Ø: 38 mm Temp. at max. speed: 15°C	<b>Order No.:</b> without Adapter Z326-85-A50R Z326-85-A50 Z326-85-A30 Z326-85-A15R Z326-85-A15	<b>Tube rack</b> 1 x 85 ml 1 x 50 ml 1 x 50 ml conical 1 x 30 ml 1 x 15 ml 1 x 15 ml conical	<b>Ø (mm)</b> 38 29 29 25 17 17	<b>Length (min./max.):</b> 113 105 116 90/103 103/110 120		
Angle rotor 6 x 85 ml Angle: 38°								
<b>Order No.:</b> <b>Z326-0485</b>		Acceleration in s: 60/506 Deceleration in s: 44/1,745 Max. speed: 12,000 rpm Max. RCF: 14,809 xg Max. radius: 9.2 cm Max. Ø: 38 mm Temp. at max. speed: 5°C	<b>Order No.:</b> without Adapter Z326-85-A50R Z326-85-A50 Z326-85-A30 Z326-85-A15R Z326-85-A15	<b>Tube rack</b> 1 x 85 ml 1 x 50 ml 1 x 50 ml conical 1 x 30 ml 1 x 15 ml 1 x 15 ml conical	<b>Ø (mm)</b> 38 29 29 25 17 17	<b>Length (min./max.):</b> 113 105 116 90/103 103/110 120		
Angle rotor 4 x 85 ml Angle: 30°								

# Accessories Z366 and Z366-K

Rotor/Bucket	Adapter			
<p>Order No.: <b>Z326-1050</b></p>  <p>Angle rotor 10 x 50 ml conical Angle: 38°</p>	<p>Acceleration in s: 69/647 Deceleration in s: 55/1,942 Acceleration in s: 115/753 Deceleration in s: 65/2,395 Max. speed: 9,000/10,500 rpm Max. RCF: 11,771/16,022 xg Max. radius: 13 mm Max. Ø: 29 mm Temp. at max. speed: 9°C</p>	<p>Order No.: Adapter Z326-50-B15HS 1 x 15 ml RB Z326-15-A7* 1 x 7 ml Z326-15-A5* 1 x 5 ml Z326-50-A15 1 x 15 ml conical</p>	<p>Ø (mm) 17 13.5 13.5 17</p>	<p>Length (min./max.): 97/123 95/115 70/90 120</p> <p><small>*only possible with adapter Z326-50-A15 or Z326-50-B15</small></p>
<p>Order No.: <b>Z326-0650-HS</b></p>  <p>Angle rotor 6 x 50 ml (round) Angle: 26°</p>	<p>Acceleration in s: 48/446 Deceleration in s: 44/1,323 Max. speed: 13,000 rpm Max. RCF: 15,869 xg Max. radius: 8.4 cm Max. Ø: 29 mm Temp. at max. speed: 0°C</p>	<p>Order No.: Tube rack without Adapter 1 x 50 ml Z326-50-A30 1 x 30 Z326-50-B15R 1 x 15 ml Z326-50-A15R 1 x 15 ml conical*</p>	<p>Ø (mm) 29 25 17 17</p>	<p>Length (min./max.): 95/115 92/95 100/105 120</p> <p><small>*only without rotor lid</small></p>
<p>Order No.: <b>Z326-3015</b></p>  <p>Angle rotor 30 x 15 ml glass or 20 x 15 ml conical Angle: 35°</p>	<p>Acceleration in s: 25/149 Deceleration in s: 19/985 Max. speed: 4,500 rpm Max. RCF: 2,830 xg Max. radius: 12.5 cm Max. Ø: 17 mm Temp. at max. speed: -12°C</p>	<p>Order No.: Tube rack without 1 x 15 ml-Glass C3100-ADP 1 x 5/7 ml (pack of 8)</p>	<p>Ø (mm) 17.0 13</p>	<p>Length (min./max.): 95/115 75/100</p>
<p>Order No.: <b>Z326-2010</b></p>  <p>Angle rotor 20 x 10 ml Angle: 30°</p>	<p>Acceleration in s: 54/512 Deceleration in s: 42/1,439 Max. speed: 12,000 rpm Max. RCF: 15,775 xg Max. radius: 9.8 cm Max. Ø: 16 mm Temp. at max. speed: 0°C</p>	<p>Order No.: Tube rack without Adapter 1 x 10 ml</p>	<p>Ø (mm) 16</p>	<p>Length (min./max.): 80</p>
<p>Order No.: <b>Z326-4420</b></p>  <p>Angle rotor 44 x 1.5/2.0 ml Angle: 32°/55°</p>	<p>Acceleration in s: 31/256 Deceleration in s: 24/327 Acceleration in s: 33/275 Deceleration in s: 26/536 Max. speed: 15,000/16,000 rpm Max. RCF: 21,379/24,325 xg Max. radius: 8.5 cm Max. Ø: 11 mm Temp. at max. speed: 8°C</p>	<p>Order No.: Tube rack without 1 x 2,0 ml without 1 x 1,5 ml C1008-A5-6 1 x 0.5 ml C1008-A2-6 1 x 0.4/0.2 ml PCR</p>	<p>Ø (mm) 16</p>	<p>Length (min./max.): 80</p>
<p>Order No.: <b>Z326-2420</b></p>  <p>Angle rotor 24 x 1.5/2.0 ml Angle: 45°</p>	<p>Acceleration in s: 22/219 Deceleration in s: 23/369 Acceleration in s: 26/231 Deceleration in s: 23/392 Max. speed: 15,000/16,000 rpm Max. RCF: 21,379/24,325 xg Max. radius: 8.5 cm Max. Ø: 11 mm Temp. at max. speed: 9°C</p>	<p>Order No.: Tube rack without 1 x 2,0 ml without 1 x 1,5 ml C1008-A5-6 1 x 0.5 ml C1008-A2-6 1 x 0.4/0.2 ml PCR</p>	<p>Ø (mm) 11 11 8 6</p>	<p>Length (min./max.): 40 40 45 45</p>
<p>Order No.: <b>Z326-2420H</b></p>  <p>Angle rotor 24 x 1.5/2.0 ml Angle: 45°   hermetically sealed</p>	<p>Acceleration in s: 25/217 Deceleration in s: 24/354 Acceleration in s: 27/235 Deceleration in s: 24/490 Max. speed: 15,000/16,000 rpm Max. RCF: 21,379/24,325 xg Max. radius: 8.5 cm Max. Ø: 11 mm Temp. at max. speed: 9°C</p>	<p>Order No.: Tube rack without 1 x 2,0 ml without 1 x 1,5 ml C1008-A5-6 1 x 0.5 ml C1008-A2-6 1 x 0.4/0.2 ml PCR</p>	<p>Ø (mm) 11 11 8 6</p>	<p>Length (min./max.): 40 40 45 45</p>

