



PRODUCT BROCHURE · BENCHMARK SCIENTIFIC

Z366 V1 8.20 SM

28 models inside · Life Science · Centrifuge Accessories



QUICK VIEW — SERIES AT A GLANCE

28 models in this document from Benchmark Scientific. Full specifications inside.

MODELS IN THIS DOCUMENT

Z366-250-A57 · Z366-250-LID · Z366-250 ·
Z366-06250-A15 · ...

SOURCING

Authorized U.S. distributor

SHIP WEIGHT

114–170 lb

Distributed by Legacy Lab Supplies

legacylabsupplies.com · (855) 746-7557 / 855-SHOP-LLS · quotes in 24 hours



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						
Order No.: Z366-250 Swing out rotor 4 place Angle: 0-90°  Z366-250-LID PC-Screw cap 	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		Volume ø in mm 250 ml 62  110/130 4 0.7 -A250	100 ml 41  95/120 4 0.5 -A100	50 ml 29  95/120 12 0.1 -A50R	50 ml 29 conical  116 12 0.0 -A50		
	Volume ø in mm 15 ml 17 conical  120 28 0.0 -A15	1.8-7 ml 13 Vacutainer®  75/100 56 0.5 -A57	6-10 ml 16 Vacutainer®  75/100 32 0.1 -A10	1.5-2.0 ml 11  40 36 0.8 -A20*	Length min./max. (mm) Tubes per rotor Radius correction (cm) Order No. Tube rack: Z366-250- *only possible with adapter -A250			
	Order No.: Z366-250-HC 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	Volume ø in mm 250 ml 62  122 4 0.0 -B250	50 ml 29 conical  116 16 0.0 -B50	15 ml 17 conical  120 40 0.0 -B15	1.8-7 ml 13 Vacutainer®  75/100 56 0.5 -B57	6-10 ml 16 Vacutainer®  75/100 48 0.1 -B10
	Order No.: Z326-02MP  Swing out rotor 2 x 3 Microplates Angle: 0-90°		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	Order No.: BT1500-A1520 BT1500-A05 Z326-MPCA	Tube rack 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			
	Order No.: Z366-06250  Angle rotor 6 x 250 ml Angle: 28°		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	Order No.: without Adapter Z366-06250-A225C Z366-06250-A50 Z366-06250-A50R Z366-06250-A30 Z366-06250-A15	Tube rack 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	Ø (mm) 62 61 29 29 26 17	Length (min./max.) 122 118/137 118 103 92 120	** Bottles available for order  175 / 225 ml C0175 / C0225
	Order No.: Z326-0685  Angle rotor 6 x 85 ml Angle: 38°		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	Order No.: without Adapter Z326-85-A50R Z326-85-A50 Z326-85-A30 Z326-85-A15R Z326-85-A15	Tube rack 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	Ø (mm) 38 29 29 25 17 17	Length (min./max.): 113 105 116 90/103 103/110 120	
	Order No.: Z326-0485  Angle rotor 4 x 85 ml Angle: 30°		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	Order No.: without Adapter Z326-85-A50R Z326-85-A50 Z326-85-A30 Z326-85-A15R Z326-85-A15	Tube rack 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	Ø (mm) 38 29 29 25 17 17	Length (min./max.): 113 105 116 90/103 103/110 120	

Accessories Z366 and Z366-K

Rotor/Bucket

Order No.:
Z326-1050



Angle rotor 10 x 50 ml conical
Angle: 38°

Adapter

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

Order No.:	Adapter	Ø (mm)	Length (min./max.)
Z326-50-B15HS	1 x 15 ml RB	17	97/123
Z326-15-A7*	1 x 7 ml	13.5	95/115
Z326-15-A5*	1 x 5 ml	13.5	70/90
Z326-50-A15	1 x 15 ml conical	17	120

*only possible with adapter Z326-50-A15 or Z326-50-B15

Order No.:
Z326-0650-HS



Angle rotor 6 x 50 ml (round)
Angle: 26°

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

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without Adapter	1 x 50 ml	29	95/115
Z326-50-A30	1 x 30	25	92/95
Z326-50-B15R	1 x 15 ml	17	100/105
Z326-50-A15R	1 x 15 ml conical*	17	120

*only without rotor lid

Order No.:
Z326-3015



Angle rotor 30 x 15 ml glass
or 20 x 15 ml conical
Angle: 35°

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

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without	1 x 15 ml-Glass	17.0	95/115
C3100-ADP	1 x 5/7 ml (pack of 8)	13	75/100

Order No.:
Z326-2010



Angle rotor 20 x 10 ml
Angle: 30°

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

Order No.:	Tube rack	Ø (mm)	Length (min./max.)
without Adapter	1 x 10 ml	16	80

Order No.:
Z326-4420



Angle rotor 44 x 1.5/2.0 ml
Angle: 32°/55°

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

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

Order No.:
Z326-2420



Angle rotor 24 x 1.5/2.0 ml
Angle: 45°

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

Order No.:	Tube rack	Ø (mm)	Length (min./max.)
without	1 x 2,0 ml	11	40
without	1 x 1,5 ml	11	40
C1008-A5-6	1 x 0.5 ml	8	45
C1008-A2-6	1 x 0.4/0.2 ml PCR	6	45

Order No.:
Z326-2420H



Angle rotor 24 x 1.5/2.0 ml
Angle: 45° | hermetically sealed

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

Order No.:	Tube rack	Ø (mm)	Length (min./max.)
without	1 x 2,0 ml	11	40
without	1 x 1,5 ml	11	40
C1008-A5-6	1 x 0.5 ml	8	45
C1008-A2-6	1 x 0.4/0.2 ml PCR	6	45

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