

**HERMLE**  
*Benchmark*

# Z36 HK

**Super Speed Centrifuge**

- "Super Speed" centrifuge, up to 65,395 x g
- Benchtop design
- Advanced programming with auto rotor recognition
- Optional, high capacity swing out rotor



## Z36 HK Summary

Speed up to 30,000 rpm  
G-Force up to 65,395 x g  
Swing Out Capacity:  
4 x 250 ml  
12 x 50 ml  
28 x 15 ml  
6 x microplates  
Angle Rotor Capacity  
30 x 1.5/2.0 ml  
6 x 85 ml  
6 x 50 ml  
20 x 10 ml

## Z36 HK Features

### Microprocessor Control

- Over-speed protection
- Automatic rotor identification
- PreCool function
- Program Storage (99)
- Momentary spin button
- Imbalance detection
- Adjustable Accel/Decel
- Audible end of run alarm

Maintenance free induction drive  
Motor driven safety lid-lock  
Quiet operation, less than 60 DB  
Splash proof display  
Powerful Refrigeration  
(Room temp to 4°C in less than 10 min.)

## Z36 HK Specifications

Speed Range: 200 to 30,000 rpm  
Max. RCF: 65,395 x g  
Max Capacity: 6 x 250 ml  
Timer: up to 99 hr, 59 min.  
Dimensions: 28.1 x 20 x 16.5 in.  
(W x D x H) 71.5 x 51 x 42 cm.  
Weight: 200 lbs (91 kg)  
Electrical: 120 or 230V, 50/60Hz  
Power Draw: 1800W  
Temp Range: -20° - 40° C



The Z36 HK is the result of many years of experience in the design of universal centrifuges, high speed centrifuges and compact microcentrifuges. The result is a “Super-Speed” centrifuge with unmatched performance amongst benchtop centrifuges.

A robust motor drive powers a variety of high speed angled rotors to speeds that would generally only be achievable in large, floor-standing ultra centrifuges. 2.0ml microtube samples can reach forces above 65,000 x g, while 50ml samples, as high as 41,410 x g.

In addition to its high speed capabilities, the Z36 HK doubles as a universal centrifuge with a 4 x 250ml swing out rotor (offering inserts for all common tube sizes) as well as a 2 x 3 position swing-out microplate rotor.

Advanced microprocessor controls allow for instant rotor identification, which automatically converts the rotational speed to the relevant g-force (rcf), preventing the user from setting a speed above the capabilities of the installed rotor. In addition to retrieving saved programs, the easy to use front panel can adjust accel/decel rates, and change the end of run alarm tone.

### Ordering Information:

Z036-HK\*

Z36 HK Refrigerated Centrifuge (without rotor), 120V

\*115V with US Plug. For 230V (EU Plug), please order -E.

## High Speed Rotors:



**Item: Z326-1220-36**

12 x 1.5/2.0ml Angle Rotor (40°)  
 Max Speed: 30,000 rpm / 65,395 x g  
 Accel: 44 sec. / Decel: 70 sec.



**Item: Z326-0650-HS-36**

6 x 50ml Angle Rotor (26°)  
 Max Speed: 21,000 rpm / 41,410 x g  
 Accel: 50 sec. / Decel: 50 sec.



**Item: Z326-2010**

20 x 10ml Angle Rotor (30°)  
 Max Speed: 12,000 rpm / 15,775 x g  
 Accel: 40 sec. / Decel: 30 sec.



**Item: Z326-0485-36**

4 x 85ml Angle Rotor (30°)  
 Max Speed: 20,000 rpm / 41,137 x g  
 Accel: 42 sec. / Decel: 52 sec.

### Inserts/Adapters

Z326-50-A30: 30ml round  
 Z326-50-A15R: 15ml (conical or round)

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### Inserts/Adapters

Z326-85-A15R: 15ml round  
 Z326-85-A15: 15ml conical  
 Z326-85-A50R: 50ml round  
 Z326-85-A50: 50ml conical



**Item: Z326-3020H-36**

30 x 1.5/2.0ml Angle Rotor (40°)  
 Hermetically Sealed Lid  
 Max Speed: 20,000 rpm / 42,032 x g  
 Accel: 55 sec. / Decel: 55 sec.



**Item: Z326-2010-36**

20 x 10ml Angle Rotor (30°)  
 Max Speed: 16,000 rpm / 28,045 x g  
 Accel: 40 sec. / Decel: 40 sec.



**Item: Z326-0685-36**

6 x 85ml Angle Rotor (38°)  
 Max Speed: 13,000 rpm / 21,726 x g  
 Accel: 60 sec. / Decel: 70 sec.



**Item: Z366-06250-36**

6 x 250ml Angle Rotor (28°)  
 Max Speed: 10,000 rpm / 15,650 x g  
 Accel: 82 sec. / Decel: 130 sec.

### Inserts/Adapters

Z326-85-A15R: 15ml round  
 Z326-85-A15: 15ml conical  
 Z326-85-A50R: 50ml round  
 Z326-85-A50: 50ml conical

### Inserts/Adapters

Z366-06250-A15: 4 x 15ml conical  
 Z366-06250-A50R: 50ml round  
 Z366-06250-A50: 50ml conical

## Additional Rotors (Low Speed):



**Item: Z326-02MP-36**

Swing Out Rotor  
 2 x 3 microplates (90°)  
 Max Speed: 4,500 rpm / 2,716 x g  
 Accel: 20 sec. / Decel: 25 sec.

### Inserts

BT1500-A1520: 20 x 1.5ml  
 BT1500-A05: 20 x 0.5ml



**Item: Z326-3015-36**

30 x 15ml Angle Rotor (35°)  
 Max Speed: 4,500 rpm / 2,830 x g  
 Accel: 13 sec. / Decel: 17 sec.

### Inserts/Adapters

C3100-ADP: 5-7ml (12-13mm)



**Item: Z366-250-36**

4 x 250ml Swing Out Rotor  
 Max Speed: 4,000 rpm / 2,987 x g  
 Accel: 20 sec. / Decel: 25 sec.



Z366-250-LID

Inserts:	Tube	qty/ insert	qty./ rotor
Z366-250-A250	250ml	1	4
Z366-250-A100	100ml	1	4
Z366-250-A50	50ml conical	3	12
Z366-250-A15	15ml conical	7	28
Z366-250-A10	10ml	8	32
Z366-250-A57	5/7ml	14	56
Z366-250-LID	Hermetically Sealed Lid, 2/pk	1	4

\*Inserts sold in 2/pk.  
 Rotor accepts 4 inserts (2 x 2/pk.)

Also Available from Benchmark:

### High Speed Microcentrifuges:



### Z216 Series High Speed Microcentrifuges

- Available with or without refrigeration
- Up to 44 tube capacity (44 x 1.5/2.0ml)
- Max Speed: 15,000 rpm / 21,379 x g



### High Capacity Centrifuges:

### Z446 Series High Capacity Centrifuges

Swing Out Rotor Accepts up to:

- 56 x 15ml conical tubes
- 28 x 50ml conical tubes
- 12 x microplates

