

**HERMLE**  
*Benchmark*

**Z32 HK**

**High Speed Centrifuge**



- High speed, up to **38,007 x g**
- Compact, less than 16" wide
- Powerful refrigeration down to **-20° C**
- Advanced programming with auto rotor recognition
- Swing out rotor for 8 x 50ml or 12 x 15ml



## Z32 HK Summary

Speed up to 20,000 rpm  
G-Force up to 38,007 x g  
Swing Out Capacity:  
8 x 50 ml  
12 x 15 ml  
6 x microplates

Angle Rotor Capacity  
44 x 1.5/2.0 ml  
6 x 50 ml  
30 x 15 ml

## Z32 HK Features

### Microprocessor Control

- Over-speed protection
- Automatic rotor identification
- Program Storage (99)
- Pre-Cool function
- 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 62 DB
- Splash proof display
- Powerful Refrigeration  
(Room temp to 4°C in less than 10 min.)

## Z32 HK Specifications

Speed Range: 200 to 20,000 rpm  
Max. RCF: 38,007 x g  
Max Capacity: 4 x 100 ml  
Timer: up to 99 hr, 59 min.  
Dimensions: 15.7 x 27.5 x 14.1 in.  
(W x D x H) 40 x 70 x 36 cm.  
Weight: 156 lbs (71 kg)  
Electrical: 120 or 230V, 50/60Hz  
Power Draw: 1200W  
Temp Range: -20° - 40° C



The Z32 HK utilizes much of the technology of our popular Z326 series, with a larger and more powerful motor drive, providing increased speed up to 20,000 rpm (38,007 x g).

With 16 available rotor options, the Z32 HK is not only ideal for high speed separations, it would also be classified as a “universal” centrifuge, offering economy angled and swinging bucket rotors for lower speed applications. Tubes from 0.2ml up to 85ml can be accepted, and rotors can quickly be exchanged without any required programming, utilizing the instant rotor identification system.

Despite an impressive capacity of up to 4 x 100ml (or 6 x 85ml), the Z32-HK is surprisingly compact. The refrigeration system is conveniently located behind the rotor chamber, resulting in narrow design of less than 16 inches wide.

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:

Z032-K\*      Z32-HK Refrigerated Centrifuge (without rotor), 120V

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

## High Speed Angle Rotors:



**Item: Z326-0685-25**

6 x 85ml Angle Rotor (25°)

Max Speed: 13,000 rpm / 21,726 x g

Accel: 60 sec. / Decel: 50 sec.



**Item: Z326-0485**

4 x 85ml Angle Rotor (30°)

Max Speed: 15,000 rpm / 23,140 x g

Accel: 60 sec. / Decel: 51 sec.



**Item: Z326-0650-HS**

6 x 50ml Angle Rotor (26°)

Max Speed: 16,000 rpm / 24,039 x g

Accel: 45 sec. / Decel: 35 sec.



**Item: Z326-1050**

10 x 50ml Angle Rotor (38°)

Max Speed: 9,000 rpm / 11,770 x g

Accel: 66 sec. / Decel: 63 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

Z326-85-A15R: 15ml round

Z326-85-A15: 15ml conical

Z326-85-A50R: 50ml round

Z326-85-A50: 50ml conical

### Inserts/Adapters

Z326-50-A30: 30ml round

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

### Inserts/Adapters

Z326-50-A30: 30ml round

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

Z206-50-A15: 15ml conical

Z206-50-A57: 5-7ml (12-13mm)

Z206-50-A57C: Cushion for 5ml tube



**Item: Z326-2010**

20 x 10ml Angle Rotor (30°)

Max Speed: 14,000 rpm / 21,472 x g

Accel: 45 sec. / Decel: 40 sec.



**Item: Z326-2420**

24 x 1.5/2.0ml Angle Rotor (45°)

Max Speed: 17,000 rpm / 27,460 x g

Accel: 25 sec. / Decel: 25 sec.



**Item: Z326-2420H**

24 x 1.5/2.0ml Angle Rotor (45°)  
Hermetically Sealed Lid

Max Speed: 20,000 rpm / 38,007 x g

Accel: 30 sec. / Decel: 30 sec.



**Item: Z326-3020H**

30 x 1.5/2.0ml Angle Rotor (45°)  
Hermetically Sealed Lid

Max Speed: 17,000 rpm / 30,368 x g

Accel: 30 sec. / Decel: 30 sec.



**Item: Z326-4420**

44 x 1.5/2.0ml Angle Rotor  
(32°/55°)

Max Speed: 13,500 rpm / 17,113 x g

Accel: 22 sec. / Decel: 22 sec.



**Item: Z326-3202**

4 x 8 PCR Strips / 48 x 0.2ml (45°)  
Hermetically Sealed

Max Speed: 15,000 rpm / 15,343 x g

Accel: 13 sec. / Decel: 10 sec.

## Additional Rotors (Low Speed):



**Item: Z326-02MP**

Swing Out Rotor  
2 x 3 microplates (90°)

Max Speed: 4,500 rpm / 2,716 x g

Accel: 20 sec. / Decel: 15 sec.

### Inserts

BT1500-A1520: 20 x 1.5ml

BT1500-A05: 20 x 0.5ml



**Item: Z326-0650-LS**

6 x 50ml Angle Rotor (40°)

Max Speed: 6,000 rpm / 4,427 x g

Accel: 13 sec. / Decel: 17 sec.

### Inserts/Adapters

Z206-50-A15: 15ml (conical or round)

Z206-50-A57: 5-7ml (12-13mm)

Z206-50-A57C: Cushion for 5ml tube



**Item: Z326-1215**

12 x 15ml Angle Rotor (32°)

Max Speed: 6,000 rpm / 4,427 x g

Accel: 13 sec. / Decel: 17 sec.

### Inserts/Adapters

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



**Item: Z326-3015**

30 x 15ml Angle Rotor (35°)

Max Speed: 4,500 rpm / 2,830 x g\*

Accel: 15 sec. / Decel: 13 sec.

### Inserts/Adapters

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

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## Additional Rotors (Swing Out):



<b>Item: Z306-100</b>
4 x 100ml Swing Out Rotor
Max Speed: 4,500 rpm / 3,350 x g
Accel: 15sec. / Decel: 15 sec.

Inserts:	Tube	qty/ insert	qty./ rotor
Z306-100-A100:	100ml	1	4
Z306-100-A85:	85ml	1	4
Z306-100-A50:	50ml conical	1	4
Z306-100-A15:	15ml conical	2	8
Z306-100-A10:	10ml	7	28
Z306-100-A57:	5/7ml	7	28
Z306-100-A20:	1.5/2.0ml	10	40

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



<b>Item: Z326-100H</b>
4 x 100ml Swing Out Rotor <b>with</b> hermetically sealed buckets
Max Speed: 5,000 rpm / 3,885 x g
Accel: 13 sec. / Decel: 13 sec.

Inserts	Tube	qty/ insert	qty./ rotor
Z326-100H-A100:	100ml	1	4
Z326-100H-A85:	85ml	1	4
Z326-100H-A50:	50ml conical	1	4
Z326-100H-A15:	15ml conical	2	8
Z326-100H-A10:	10ml	4	16
Z326-100H-A57:	5/7ml	4	16
Z326-100H-A20:	1.5/2.0ml	5	20

\*Inserts for Z326-100H Rotor, sold in 2/pk.  
Rotor accepts 4 inserts (2 x 2/pk.)

<b>Item: Z326-100H-AC</b>
Same as above, <b>without</b> buckets



Z326-100H-AC



B50

B15

Buckets	Tube	qty/ Bucket	qty./ rotor
Z326-100H-B50:	50ml	2	8
Z326-100H-B15:	15ml	3	12
Z326-100H-BUK:	Hermetically Sealed Buckets (for use with Z326-100H-XXX inserts above)		

\*Buckets for Z326-100H-AC rotor, sold in 2/pk.  
Rotor accepts 4 buckets (2 x 2/pk.)

## Also Available from Benchmark:

### Z36 HK

#### Super Speed Refrigerated Centrifuge

- Convenient benchtop design
- Produces g-forces up to 65,395 x g
- 10 versatile rotor options

