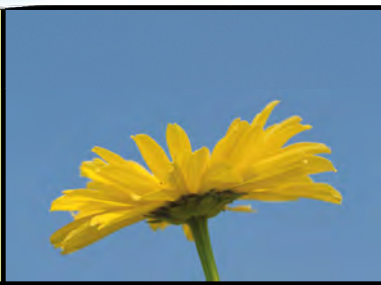


HIGH SPEED TABLE TOP CENTRIFUGE 236HK



Equipment



High Speed Table Top Centrifuge Z 36 HK

The Z 36 HK is the culmination of many years of centrifuge design experience combined with the latest technology.

Featuring speeds up to 30000 rpm (65390 xg) with ten available rotor option, the Z 36 HK is the most capable centrifuge in its class.

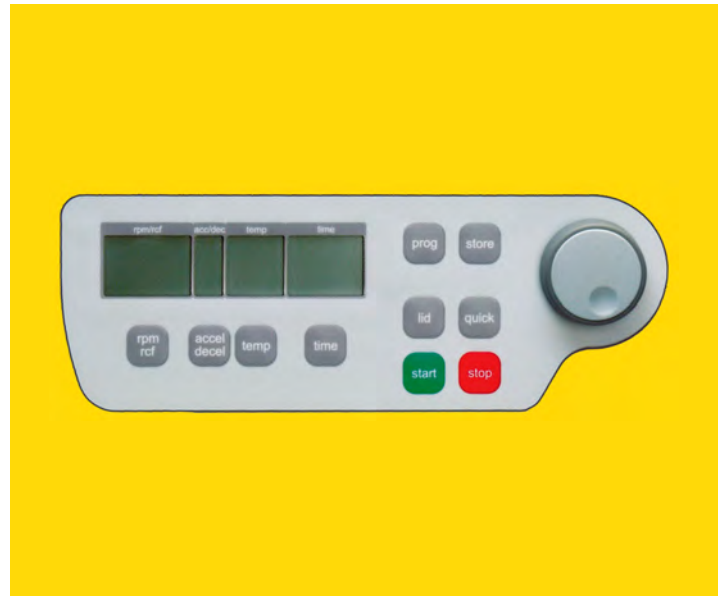


Specifications

- Maintenance-free induction drive
- Microprocessor with large LCD display
- Motor driven lid lock
- Automatic rotor identification system with over speed protection
- Active imbalance-identification and -cut off
- Imbalance tolerant drive pin
- A large variety of rotors and accessories
- CFC-free refrigeration system
- Standstill cooling
- Manufactured according to international safety regulations, i. e. IEC 1010
- Audible signal at the end of each run with several melody options
- Noise level under 60 dBA at max. speed

Distinct Control Panel

- Simple One handed 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 deceleration rates with storage of up to ninety nine runs.
- Direct access to parameters; no click through the program
- Temperature range from -20° to 40°C
- Temperature selection available in both °C or °F
- Pre-selection of the running time from 30 sec to 99 h 59 min or continuous
- Pre-cooling program option
- Quick-key for short runs



Technical data

max. speed:	30000 min ⁻¹
max RCF:	65390 xg
max. volume:	6 x 250 ml
Speed range:	200 - 30000 rpm with 10 rpm increments
Running time:	59 min 50 sec / in 10 sec increments 99 h 59 min / in 1 min increments
Temperature range:	-20° to 40°C with 1° increment

Dimensions (wxhxd):	71,5 cm x 42 cm x 51 cm
Weight:	91 kg
Power consumption:	2990 W

Order numbers:	
302.00 V01 - Z 36 HK, 230 V / 50 - 60 Hz	
302.00 V02 - Z 36 HK, 120 V / 50 - 60 Hz	

Adapters

Acceleration in sec.: 20 / 185
 Deceleration in sec.: 25 / 300
 max. speed: 4000 min⁻¹
 RCF-value: 2990 xg
 max. radius: 16,7 cm
 max. Ø 61 mm
 Temperature at n-max.: -20°C

250 ml	100 ml	50 ml	50 ml	50 ml Falcon	50 ml Stehrand	25 ml	25 ml Stehrand	15 ml
62	41	34	29	29	29	24,5	24,5	17
110/130 4 0,8 628.000	95/120 4 0,6 628.001	100/120 4 0,6 628.008	95/120 12 0,4 628.002	/120 12 0,3 628.005	100/120 8 0,4 628.006	100/120 20 0,6 628.003	85/100 12 1,2 628.010	76/115 36 0,4 628.004

15 ml Falcon	15 ml Stehrand	10 ml	9 ml	5-7 ml	1,6-7 ml	4-10 ml	2,6-5 ml	4-10 ml	1,5 - 2,0 ml
17	17	16	14	13	13	16	13	15	11
95/120 28 0,4 628.007	100/120 28 0,6 628.011	80/100 32 0,4 628.012	76/115 36 0,4 628.004	65/120 56 0,8 628.013	75/120 40 0,8 628.014	75/100 32 0,4 628.015	65/100 40 0,8 628.014	75/100 32 0,4 628.015	38 36 1,0 628.016

Acceleration in sec.: 20 / 180
 Deceleration in sec.: 25 / 390
 max. speed: 4500 min⁻¹
 RCF-value: 2720 xg
 max. radius: 12 cm
 max. Loading height: 58 mm
 max. Loading weight: 310 g
 Temperature at n-max.: -15°C

Best.-Nr.: 706.000
 Tube rack
 48 x 1,5 ml (2,0 ml)
 Tubes

Acceleration in sec.:	Order-No.:	Tube rack	Ø (mm)	Length (min./max.):
15 / 110	701.010	1 x 15 ml-Glas	17,5	95/115
Deceleration in sec.: 20 / 450	701.011	1 x 7 ml	13,5	95/115
max. speed: 4500 min ⁻¹	701.012	1 x 5 ml (RIA)	13,5	70/90
RCF-value: 2830 xg				
max. radius: 12,5 cm				
max. Ø: 17 mm				
Temperature at n-max.: -20°C				

Acceleration in sec.:	Order-No.:	Tube rack	Ø (mm)	Length (min./max.):
70 / 570	713.042	1 x 50 ml-Falcon	29	118
Deceleration in sec.: 85 / 520	713.030	1 x 50 ml	29	103
max. speed: 10000 min ⁻¹	713.028	2 x 30 ml	26	92
RCF-value: 15650 xg	713.025	4 x 15 ml-Falcon	17	120
max. radius: 14,0 cm	713.020	5 x 10 ml	16	80
max. Ø: 62 mm	713.015	8 x 1,5 ml	11	40
Temperature at n-max.: 1°C	without Adapter	1 x 250 ml	62	122

Acceleration in sec.:	Order-No.:	Tube rack	Ø (mm)	Length (min./max.):
60 / 500	707.001	1 x 15 ml	17	103/110
Deceleration in sec.: 70 / 1080	707.002	1 x 30 ml	25	90/103
max. speed: 12000 min ⁻¹	707.003	1 x 50 ml	29	105
RCF-value: 18510 xg	707.004	1 x 50 ml-Falcon	29	118
max. radius: 11,5 cm	707.014	1 x 15 ml-Falcon	17	120
max. Ø: 38 mm	without Adapter	1 x 80 ml	38	113
Temperature at n-max.: -10°C				

Rotor/Bucket

Order No.:
 221.15 V01

Swing out rotor 4 Places
 Angle: 0-90°



628.100
 PC-Screwcap

Volume
 Tubes Ø in mm

Length min./max. (mm)
 Tubes per Rotor
 Radiuscorrection (cm)
 Order-No.: Tube Rack

Volume
 Tubes Ø in mm

Length min./max. (mm)
 Tubes per Rotor
 Radiuscorrection (cm)
 Order-No.: Tube Rack

Order No.:
 221.16 V02

Swing out rotor 2 x 3 Microtitreplates
 Angle: 0-90°



Order No.:
 221.19 V01

Angle rotor 30 x 15 ml
 Angle: 35°



Order No.:
 221.21 V01

Angle rotor 6 x 250 ml
 Angle: 28°



Order No.:
 221.18 V01

Angle rotor 6 x 80 ml
 Angle: 38°



Accessories 236 HK

Rotor/Bucket

Order No.:
221.20 V01



Angle rotor 4 x 80 ml
Angle: 30°

Order No.:
221.22 V01



Angle rotor 6 x 50 ml
Angle: 26°

OrderNo.:
221.28 V01



Angle rotor 20 x 10 ml
Angle: 30°

Order No.:
221.17 V01



Angle rotor 30 x 1,5 / 2,0 ml
Angle: 45°

Order No.:
221.23 V01



Angle rotor 12 x 1,5 / 2,0 ml
Angle: 40°

Adapters

Acceleration in sec.: 42 / 400 Deceleration in sec.: 52 / 800 max. speed: 20000 min ⁻¹ RCF-value: 41140 xg max. radius: 9,2 cm max. Ø: 38 mm Temperature at n-max.: 15°C	Order-No.:	Tube Racks	Ø (mm)	Length (min./max.):
	707.001	1 x 15 ml	17	103/110
	707.002	1 x 30 ml	25	90/103
	707.003	1 x 50 ml	29	105
	707.004	1 x 50 ml-Falcon*	29	118
	707.014	1 x 15 ml-Falcon*	17	120
	without Adapter	1 x 80 ml	38	113

*only without rotor lid

Acceleration in sec.: 50 / 440 Deceleration in sec.: 50 / 520 max. speed: 21000 min ⁻¹ RCF-value: 41410 xg max. radius: 8,4 cm max. Ø: 29 mm Temperature at n-max.: 6°C	Order-No.:	Tube Racks	Ø (mm)	Length (min./max.):
	ohne Adapter	1 x 50 ml	29	95/115
	708.019	1 x 30 ml	25	92/95
	708.003	1 x 16 ml	18	100/105
	708.004	1 x 15 ml	17	100/105
	708.017	1 x 15 ml-Falcon*	17,5	116/125

*only without rotor lid

Acceleration in sec.: 40 / 400 Deceleration in sec.: 40 / 630 max. speed: 16000 min ⁻¹ RCF-value: 28040 xg max. radius: 9,8 cm max. Ø: 16 mm Temperature at n-max.: 0°C	Order-No.:	Tube Racks	Ø (mm)	Length (min./max.):
	without Adapter	1 x 10 ml	16	80

Acceleration in sec.: 55 / 510 Deceleration in sec.: 55 / 340 max. speed: 20000 min ⁻¹ RCF-value: 42030 xg max. radius: 9,4 cm max. Ø: 11 mm Temperature at n-max.: 7°C	Order-No.:	
	704.004	0,4 ml tubes (Ø 6 x 50 mm) set of adapters (6 pcs.)
	704.005	0,5 ml tubes (Ø 8 x 32 mm) set of adapters (6 pcs.)
	704.011	1,5 ml adapter to the full performance usage (from 20000 xg) (12 pcs.)

Acceleration in sec.: 30 / 300 Deceleration in sec.: 45 / 230 max. speed: 30000 min ⁻¹ RCF-value: 65390 xg max. radius: 6,5 cm max. Ø: 11 mm Temperature at n-max.: 4°C	Order-No.:	
	704.004	0,4 ml tubes (Ø 6 x 50 mm) set of adapters (6 pcs.)
	704.005	0,5 ml tubes (Ø 8 x 32 mm) set of adapters (6 pcs.)
	704.011	1,5 ml adapter to the full performance usage (from 20000 xg) (12 pcs.)

More from HERMLE:



HERMLE
LABORTECHNIK

HERMLE Labortechnik GmbH

Siemensstraße 25
78564 Wehingen • Germany

Phone: + 49 7426/9622-11
Telefax: + 49 7426/9622-49

E-Mail: vertrieb@hermle-labortechnik.de

Web: www.hermle-labortechnik.de

Rua Soeiro Pereira Gomes, Lote 5, Cave Drt.
2845-387 Amora Portugal



Refrigerated Microlitrecentrifuge 2216 MK

www.ert.pt

info@ert.pt

Telf. 217 142 066 - Fax. 217 145 674

