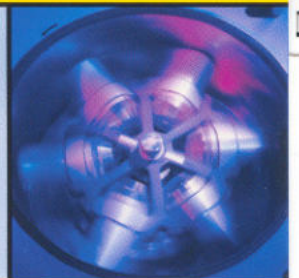
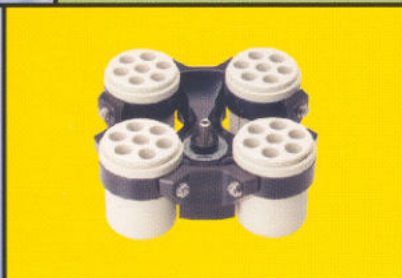


HIGH SPEED TABLE TOP CENTRIFUGE Z 36 HK



Equipment



HERMLE
LABORTECHNIK



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 nine available rotor options, 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 rpm
max. RCF:	65390 xg
max. volume:	6 x 250 ml
Speed range:	200 - 30000 rpm with 10 rpm increments
Running time:	99 h 59 min / 59 min 50 sec 1min / 10 sec 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.:	Order.-No.:	Tube Racks:	Ø (mm):	Length (min./max.):
Deceleration in sec.: 130 / 700		1 x 50 ml-Falcon	29	118
max. speed: 10000 rpm	713.030	1 x 50 ml	29	103
RCF-value: 15650 xg	713.028	2 x 30 ml	26	92
max. radius: 14,0 cm		3 x 15 ml-Falcon	17	120
max. Ø: 62 mm	713.020	5 x 10 ml	16	80
Temperature at n-max.: 1°C	713.015	8 x 1,5 ml	11	40
	without Adapter	1 x 250 ml	62	122

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

Acceleration in sec.:	Order.-No.:	Tube Racks:	Ø (mm):	Length (min./max.):
Deceleration in sec.: 110 / 510		1 x 15 ml	17	103/110
max. speed: 20000 rpm	707.001	1 x 30 ml	25	90/103
RCF-value: 41140 xg	707.002	1 x 50 ml	29	105
max. radius: 9,2 cm	707.003	1 x 50 ml-Falcon	29	118
max. Ø: 38 mm	707.004	1 x 15 ml-Falcon	17	120
Temperature at n-max.: 18°C	without Adapter	1 x 80 ml	38	113

Acceleration in sec.:	Order.-No.:	Tube Racks:	Ø (mm):	Length (min./max.):
Deceleration in sec.: 80 / 700		without Adapter	30	195/115
max. speed: 21000 rpm	708.002	1 x 30 ml	30	92/95
RCF-value: 41410 xg	708.003	1 x 16 ml	18	100/105
max. radius: 8,4 cm	708.004	1 x 15 ml	17	100/105
max. Ø: 29 mm				
Temperature at n-max.: 10°C	603.001	1 x 15 ml-Falcon	17,5	116/125

Acceleration in sec.:	Order No.:	
Deceleration in sec.: 70 / 660		0,4 ml tubes (Ø 6 x 50 mm)
max. speed: 20000 rpm	704.004	set of adapters (12 pcs.)
RCF-value: 42030 xg		
max. radius: 9,4 cm	704.005	0,5 ml tubes (Ø 8 x 32 mm)
max. Ø: 11 mm		set of adapters (12 pcs.)
Temperature at n-max.: 8°C		

Acceleration in sec.:	Order No.:	
Deceleration in sec.: 50 / 440		0,4 ml tubes (Ø 6 x 50 mm)
max. speed: 30000 rpm	704.004	set of adapters (12 pcs.)
RCF-value: 65390 xg		
max. radius: 6,5 cm	704.005	0,5 ml tubes (Ø 8 x 32 mm)
max. Ø: 11 mm		set of adapters (12 pcs.)
Temperature at n-max.: 6°C		

Rotor/Bucket



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°



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°



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°

Accessories 236HK

Rotor/Bucket

Order No.:
221.19 V01



Angle rotor 30 x 15 ml
Angle: 35°

Order No.:
221.15 V01



Swing out rotor 4 Places
Angle: 0-90°

Volume
Tubes Ø in mm

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

Order No.:
221.16 V02



Swing out rotor 2 x Microtitre
Angle: 0-90°

Adapters

Acceleration in sec.: 15 / 110
Deceleration in sec.: 20 / 930
max. speed: 4500 rpm
RCF-value: 2830 xg
max. radius: 12,5 cm
max. Ø: 17 mm
Temperature at n-max.: -20°C

Order-No.:	Tube rack:	Ø (mm):	Length (min./max.):
701.010	1 x 15 ml-glass	17,5	95/115
701.011	1 x 7 ml	13,5	95/115
701.012	1 x 5 ml (RIA)	13,5	70/90

Acceleration in sec.: 18 / 160
Deceleration in sec.: 20 / 440
max. speed: 4000 rpm
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	Falcon 50 ml	25 ml	15 ml	Falcon 15 ml	Vacutainer 12 ml	Vacutainer 5 ml
62	40	28,5	28,5	24	17	17	16	13
110/130	120	120	120	42	65/82	95/105	100	100
4	4	8	12	20	36	28	36	36
0,8	0,2	0,5	0,2	5,8	4,0	1,7	0,5	0,3
628.000	628.001	628.002	628.005	628.003	628.004	628.007	628.004	628.006

Acceleration in sec.: 25 / 180
Deceleration in sec.: 30 / 300
max. speed: 4500 rpm
RCF-value: 2720 xg
max. radius: 12 cm
max. Loading height: 58 mm
max. Loading weight: 310 g
Temperature at n-max.: -7°C

Order.-No.: Tube Rack:
706.000 48 x 1,5 ml (2,0 ml)
Tubes



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