

HOTSPIN Technical Data

Ref. 2010 03 20

Type:	HOTSPIN MK 5
Electrical supply:	220 / 230 V, 50 Hz, AC <u>or</u> 115 V 60 Hz AC
Fuse	4A / 8A
Current consumption 230 / 115V:	3,5 A / 7A
Power consumption approx:	700 W
Noise level approx:	70 dB (A)
Maximum motor speed:	6 000 rpm
Maximum rotor speed:	4 000 rpm
Maximum operating speed with glass tubes:	3 000 rpm
Relative centrifugal force at operating speed:	1 500 x g
Heating element:	500 W
Minimum surrounding temperature:	+ 5 °C
Rotor:	4 place, swing out type.
Rotor holding capacity:	4 glass tubes with 80 ml. volume or 16 glass tubes with 10 ml. volume.
Temperature controller:	Settings between ambient and +100 °C, accuracy $\pm 1^{\circ}\text{C}$
Speed controller:	Min. speed 500 rpm, max 4 000 rpm with supplied rotor, adjustable in steps of 100 rpm
Timer:	Min. preset time 1 min. max preset time 99 min. in steps of 1 min.
Timer settings:	For continuous operation or pulse (short time)
Electronic display	Yes
Overheating protection	Yes
Imbalance switch	Yes
Heater in operation only when centrifuge is running	Yes
Brushless motor	Yes
Prevented start with lid open	Yes
Lid opening prevented during operation	Yes

Dimensions/Weight:	Centrifuge	Control unit	Travel case	Operating kit box
Width (mm):	380	390	780	450
Depth (mm):	450	300	530	250
Height (mm):	260	120	340	250
Weight (kg):	27	5,6-6,0	15	5

Case handling weight with centrifuge and control unit packed: 49 kg

NOTE!!

The centrifuge and control unit is not Ex-proof, Spark-proof, Water proof and not intended for operation in explosion-endangered area.

HOTSPIN features

The HOTSPIN is designed to operate at up to 3000 rpm. with normal glass tubes at a temperature of up to +100 °C / +212 °F

The HOTSPIN works in accordance with ASTM D 1796 or API methods modified to use 10 ml glass tubes.

Basic technical data/features

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| - Swing out rotor: | Distance from rotor center to tube tip, $r = 150$ mm |
| - Variable speed: | Electronic display 0-4000 rpm, in steps of 100 rpm. |
| - Relative centrifugal force: | 0-1500 x g |
| - Centrifugation temperature: | Electronic display, ambient to +100 °C / +212 °F, accuracy $\pm 1^\circ\text{C}$ |
| - Timer: | Electronic setting 0-99 min in steps of 1 min. |
| - Imbalance cut off: | Yes |
| - Operators safety: | Equipment is built to European safety standard and is furnished with CE-marking. |
| - Centrifuge Tubes: | Six types, volume 10 ml, with different graduations
finest graduation 0,001 ml corresponding to 0,01 %.
One type, volume 80 ml for sample collection. |
| - Accessories: | Set of accessories for sample testing, tube cleaning and personal protection is available. |
| - Compact-low weight: | The centrifuge is a bench top machine measuring only 380 x 450 x 260 mm, weighing only 28 kg.
Control unit, 390 x 300 x 120 mm 6 kg |
| - On site testing: | The unit is suitable for transport. Transport case with wheels for on site analysis is available. 780 x 530 x 340 mm 14 kg |
| - Power supply: | As per order: 230V 50 Hz or 115 V 60 Hz |