

ROTIXA 50 S



ROTIXA 50 S/50 RS

Among experts “ROTIXA” has become a household word for high sample throughput. This is why ROTIXA models are the centrifuges of choice in development and quality control laboratories of the life science industry and in medical routine laboratories.

With generating a maximum RCF of 5,503 ROTIXA centrifuges are suited for separating a wide range of sample materials such as samples of food, cell suspensions, sediments of chemical reactions, soil and, of course, blood and blood components.

In addition to all commonly used blood collection systems the ROTIXA 50 S and 50 RS centrifuges accommodate Falcon® tubes, microtitre plates and centrifuge bottles up to a volume of 1,000 ml.

With the growing use of clinical chemistry analysers in mind, the ROTIXA 50S and 50RS centrifuges are also designed to spin racks of well-known manufacturers like Olympus, Hitachi, LKB, and Behring.

It goes without saying that they also accept the time-tested round-bottom tubes up to a max. volume of 250 ml.

Features of the ROTIXA 50 S / 50 RS centrifuges

Performance

4,900 min⁻¹ in a swing-out rotor corresponding to an RCF of 5,503, max. capacity of 4 x 1,000 ml.

Extremely short run-up and run-down times.

Technical details

Smooth and quiet running.

Exceptional speed stability.

Frequency-controlled drive, maintenance only required according to UVV regulations.

See-through glass in the lid for additional speed control.

Cooling

Temperature in the ROTIXA 50 RS is controllable within a range of -20°C to +40°C (with model No. 4910-50 up to +60°C).

Safety

Lid locking and holding

Lid dropping protection

Emergency lid lock release

Centrifuging chamber of stainless steel

Key-operated switch for locking and protecting programmes

Motor overheating protection

Chamber overheating protection in the ROTIXA 50 RS

Imbalance switch-off

Automatic rotor recognition

Conformity with the latest national and international safety standards such as IEC 1010-2-2, EN 61010-1 and all relevant EC regulations

CE marked

® Registered trademark of Becton Dickinson

Having to cope with high sample throughput? No problem!

With a capacity of e.g.

120 x 15 ml or
32 x 50 ml Falcon® tubes,
16 standard size microtitre plates,
20 HITACHI racks,
4 x 1,000 ml bottles or
4 blood bags in a swing-out rotor.



ROTIXA 50 S
floorstanding
centrifuge
Cat.-No. **4905**



ROTIXA 50 RS
floorstanding
centrifuge, refrigerated
Cat.-No. **4910**



**Floorstanding
Centrifuges,
non-refrigerated
and refrigerated**

"S"-CONTROL PANEL

The controls and displays

of the ROTIXA 50 S and 50 RS centrifuges are arranged according to ergonomic aspects.

The large display

is clearly arranged and well readable. During centrifugation the actual values of all parameters are indicated.

ROTIXA 50 S / 50 RS
Programming
with effortless ease



Entry of the parameters

is exact, fast and easy with selector keys on the water-protected foil keypad and an adjusting knob.

Speed n, RPM

input in increments of 10

Relative centrifugal force RCF

input in increments of 1

Radius r/mm

needs to be entered when speed or RCF have to be determined

Running time t

input in minutes and seconds, max. 999 min.

Run-up/run-down time

input of acceleration and braking ramps in levels 1 - 9, or time-controlled in minutes and seconds, 0=unbraked run-down.

Deceleration with brake-force cut-off

input of the cut-off speed in RPM

Integral of the centrifugal acceleration

provides continuous information on the accumulated RCF the centrifuged material is exposed to during centrifugation

Temperature T/°C

with the ROTIXA 50 RS input in increments of 1 °C within a range of - 20 °C to + 40 °C

Memory

Since saving a lot of time the storing of programmes is indispensable in laboratories with many different and complicated centrifuging tasks.

Up to 89 complete running programmes can be memorized and recalled with their storing number. They remain in the memory even after the centrifuge has been switched off.

For special routine or scientific applications the ROTIXA 50 S and 50 RS centrifuges can be fitted with the following optional equipment:

Centrifuging data report

With the Hettich data report system up to 29 centrifuges can be controlled by a single PC. An optical cable connects the centrifuge to a BUS system. Protocols of selected centrifuging data and barcode readers can be produced via a PC with an RS 232 interface.

Visual indication when rotor is stationary

for additional information on the

Whether entering single parameters or chaining complete running programmes, the clearly arranged display with its selector knob and adjusting knob provides for extreme user-friendliness.

completion of a centrifuging cycle.

Chaining of programmes

allows to programme the centrifuge to run different programmes in succession.

Second independent tachometer system

for calibrating the speed measuring instrument as required by quality management systems.



Swing-out rotor, 4-place,
n = 4,500 min⁻¹,
RCF 4,958,
max. 4 x 750 ml,
 illustrated with buckets
 No. 4295 and lid No. 4229.

∠90°

Cat.-No. **4294** without buckets

braked run-down
 at level 9

Please take care not to exceed
 the tubes' max. permissible RCF!

1) Lowest attainable temperature in
 the ROTIXA 50 RS at max. speed.

| | | | | | | | | | | | | | | |
|------------------------------|------------------------------|-------------|---------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| capacity in ml | 0.8 | 1.5/2.0 | 4 | 6/7 | 12 | 15 | 25 | 50 | 100 | 100 | 250 | 250 | 100 | 750 |
| dimensions Ø x L mm | 8 x 55 | 11 x 38 | 10 x 88 | 12x82/100 | 16 x 101 | 17 x 100 | 24 x 100 | 34 x 100 | 44 x 100 | 40 x 115 | 65 x 115 | 62 x 135 | 58 x 161 | 93 x 137 |
| Cat.-No. | MICROTAINER | 2078/0536 | - | - | - | - | - | - | - | - | - | 5127 | - | 4234 |
| lid 4229 | | | | | | | | | | | | | | |
| Cat.-No. 4295 | | | | | | | | | | | | | | |
| Cat.-No. | 4226 | 4225 | 4224 | 4213 | 4223 | 4214 | 4215 | 4216 | 4217 | 4218 | 4219 | 4238 | 4227 | 4233 |
| tubes per rotor | 312 | 336 | 252 | 192 | 100 | 120 | 44 | 24 | 16 | 16 | 4 | 4 | 4 | 4 |
| RCF | 4,777 | 3,622/4,664 | | | | | | | | | | | 4,958 | |
| radius in mm | 211 | 160/206 | | | | | | | | | | | 219 | |
| run-up in sec | 112 | | | | | | | | | | | | | |
| run-down in sec | <input type="checkbox"/> 105 | | | | | | | | | | | | | |
| temperature °C ¹⁾ | 7 | | | | | | | | | | | | | |

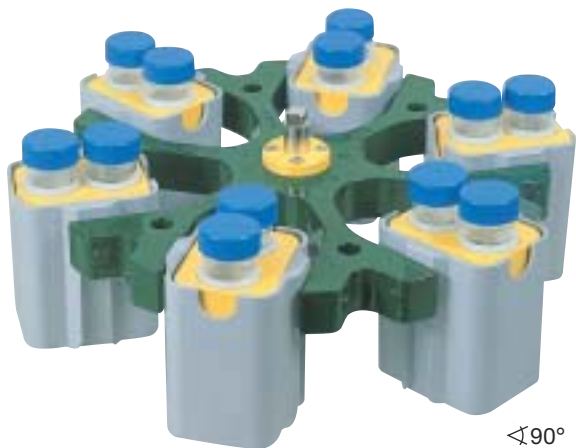
| | | | | | | | | | | | | | |
|------------------------------|------------------------------|-----------|---------|---------|-----------|---------|---------|----------|---------|----------|----------|----------|----------|
| capacity in ml | 2.7 - 3 | 2.6 - 2.9 | 4 - 5.5 | 4.5 - 5 | 7.5 - 8.2 | 9 - 10 | 1.6 - 5 | 4 - 7 | 4 - 7 | 8 | 8.5 - 10 | 15 | 50 |
| dimensions Ø x L mm | 11 x 66 | 13 x 65 | 15 x 75 | 11 x 92 | 15 x 92 | 16 x 92 | 13 x 75 | 13 x 100 | 16 x 75 | 16 x 125 | 16 x 100 | 17 x 120 | 29 x 115 |
| Cat.-No. | blood collection tubes | | | | | | | | | | | 0509 | 0513 |
| lid 4229 | | | | | | | | | | | | | |
| Cat.-No. 4295 | | | | | | | | | | | | | |
| Cat.-No. | 4213-93 | 4222-93 | 4214-93 | 4213 | 4214 | 4220 | 4222-93 | 4222 | 4223-93 | 4223 | 4223 | 4232 | 4245 |
| tubes per rotor | 192 | 120 | 120 | 192 | 120 | 64 | 120 | 120 | 100 | 100 | 100 | 92 | 32 |
| RCF | 4,777 | | | | | | | | | | | 4,958 | 4,958 |
| radius in mm | 211 | | | | | | | | | | | 219 | |
| run-up in sec | 112 | | | | | | | | | | | | |
| run-down in sec | <input type="checkbox"/> 105 | | | | | | | | | | | | |
| temperature °C ¹⁾ | 7 | | | | | | | | | | | | |

ACCESSORIES



Swing-out rotor, 4-place,
n = 4,500 min⁻¹, RCF 5,252,
max. 4 x 1,000 ml,
 illustrated with buckets No. 4293
 for triple blood bag systems.

Cat.-No. **4294** without buckets



Swing-out rotor, 6-place,
n = 4,900 min⁻¹, RCF 5,503,
max. 6 x 100 ml,
 illustrated with
 buckets No. 4396.

Cat.-No. **4256** without buckets

| capacity in ml | Blood bag system, triple | Blood bag system, quadruple | 1000 | - | 1x Deepwell 2x Culture plate 4x Microtitre-plate 1x Micronic system |
|---|--------------------------|-----------------------------|-------------|---|--|
| dimensions Ø x L mm | | | 98 x 138 | | |
| Cat.-No. | 4244 | 4237 | 4255 | - | 4236 |
| n = 4,500 min⁻¹ Cat.-No. 4294 | | | | 1 x Deepwell 2 x Culture plate 4 x Microtitre plate | |
| | | | | | 4 x LKB Rack (without 4236) |
| Cat.-No. | 4293 | 4298 | 4254 | 4292 | 4299 |
| qty. per rotor | 4 | 4 | 4 | 4/8/12 | 4/8/16/4/16 |
| RCF | 5,252 | 5,003 | 5,184 | 3,985 | 4,120 |
| radius in mm | 232 | 221 | 229 | 176 | 182 |
| run-up in sec | 108 | | | | |
| run-down in sec | 103 | | | | |
| temperature °C ¹⁾ | 0 | | | - 1 | |

Hettich manufactures high quality centrifuges. All stages from design to end product are continually subjected to strictest controls.

Evidence is provided by corresponding certificates of conformity.

The ISO 9001 certificate accredited to the entire company proves the extreme care and responsibility Hettich puts into the manufacture of centrifuges and their accessories.

Therefore, Hettich centrifuges are known for safety and reliability all over the world.
































| capacity in ml | 1.5/2.0 | 1.5/2.0 | 6 | 7 | 15 | 25 | 50 | 100 | 100 | Two stage frame for cyto centrifugation |
|------------------------------|------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| dimensions Ø x L mm | 11 x 38 | 11 x 38 | 12 x 82 | 12 x 100 | 17 x 100 | 24 x 100 | 34 x 100 | 40 x 115 | 44 x 100 | |
| Cat.-No. | 2078/0536 | 2078/0536 | - | - | - | - | - | - | - | |
| Cat.-No. 4396 | | | | | | | | | | Please ask for our detailed cyto brochure |
| | | | | | | | | | | |
| Cat.-No. | 5281 | 5257 | 5227 | 5247 | 5248 | 5242 | 5243 | 5249 | 5262 | 5280 |
| tubes per rotor | 96 | 240 | 120 | 120 | 72 | 30 | 12 | 6 | 6 | 12 |
| RCF | 5,047 | 4,080/5,395 | 5,342 | 5,315 | | | 5,261 | | 5,261 | 3,758 upper 5,208 lower |
| radius in mm | 188 | 152/201 | 199 | 198 | | | 196 | | 194 | 140 upper 194 lower |
| run-up in sec | 30 | | | | | | | | | |
| run-down in sec | 34 | | | | | | | | | |
| temperature °C ¹⁾ | 7 | | | | | | | | | |

braked run-down at level 9

Please take care not to exceed the tubes' max. permissible RCF!

1) Lowest attainable temperature in the ROTIXA 50 RS at max. speed

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| capacity in ml | 1.1 - 1.4 | 2.7 - 3 | 2.6 - 2.9 | 4 - 5.5 | 4.5 - 5 | 4.9 | 7.5 - 8.2 | 9 - 10 | 1.6 - 5 | 4 - 7 | 4 - 7 | 8.5 - 10 | 15 | 50 |
| dimensions Ø x L mm | 8.5 x 66 | 11.5 x 66 | 13 x 65 | 15.3 x 75 | 11.5 x 92 | 13 x 90 | 15.3 x 92 | 16.5 x 92 | 13 x 75 | 13 x 100 | 16 x 75 | 16 x 100 | 17 x 120 | 29 x 115 |
| Cat.-No. | blood collection tubes | | | | | | | | | | | | 0509 | 0513 |
|  Cat.-No. 4396 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cat.-No. | 5267 | 5227 | 5268 | 5264 | 5247 | 5268 | 5248 | 5258 | 5268 | 6301 | 5264 | 5248 | 6306 | 5259 |
| tubes per rotor | 120 | 120 | 72 | 72 | 120 | 72 | 72 | 66 | 72 | 72 | 72 | 72 | 42 | 12 |
| RCF | 5,288 | 5,342 | 5,395 | 5,342 | 5,315 | 5,395 | 5,315 | 5,315 | 5,395 | 5,315 | 5,342 | 5,315 | 5,503 | 5,422 |
| radius in mm | 197 | 199 | 201 | 199 | 198 | 201 | 198 | 198 | 201 | 198 | 199 | 198 | 205 | 202 |
| run-up in sec | 30 | | | | | | | | | | | | | |
| run-down in sec | ☐ 34 | | | | | | | | | | | | | |
| temperature °C ¹⁾ | 7 | | | | | | | | | | | | | |

Swing-out rotor, 6-place, n = 4,000 min⁻¹, RCF 3,452, max. 6 x 100 ml, illustrated with buckets No. 5091 and lid No. 5095.























Cat.-No. **4296** without buckets































☐ braked run-down at level 9

Please take care not to exceed the tubes' max. permissible RCF!

1) Lowest attainable temperature in the ROTIXA 50 RS at max. speed

| | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| capacity in ml | 1.5/2.0 | 1.5/2.0 | 6 | 7 | 7 | 15 | 15 | 25 | 50 | 100 | 100 | Two stage frame for cyto centrifugation |
| dimensions Ø x L mm | 11 x 38 | 11 x 38 | 12 x 82 | 12 x 100 | 12 x 100 | 17 x 100 | 17 x 100 | 24 x 100 | 34 x 100 | 40 x 115 | 44 x 100 | |
| Cat.-No. | 2078/0536 | 2078/0536 | 0501 | 0578 | 0578 | 0507 | 0507 | 0519 | 0521 | 0523 | 0526 | |
| lid 5095 |  |  |  |  |  |  |  |  |  |  |  | Please ask for our detailed cyto brochure |
| Cat.-No. 5091 |  |  |  |  |  |  |  |  |  |  |  | |
| Cat.-No. | 5281 | 5257 | 5227 | 5247 | 5247-91 | 5248-91 | 5248 | 5242 | 5243 | 5249 | 5262 | 5280 |
| tubes per rotor | 96 | 240 | 120 | 120 | 120 | 72 | 72 | 30 | 12 | 6 | 6 | 12 |
| RCF | 3,148 | 2,504/3,381 | 3,327 | 3,309 | | | | 3,291 | | | | 2,272 upper 3,238 lower |
| radius in mm | 176 | 140/189 | 186 | 185 | | | | 184 | | | | 127 upper 181 lower |
| run-up in sec | 33 | | | | | | | | | | | |
| run-down in sec | ☐ 38 | | | | | | | | | | | |
| temperature °C ¹⁾ | - 4 | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|--|---|---|---|---|
| capacity in ml | 1.6 - 5 | 4 - 7 | 4 - 7 | 8.5 - 10 | 1.1 - 1.4 | 2.7 - 3 | 2.6 - 2.9 | 4 - 5.5 | 4.5 - 5 | 4.9 | 7.5 - 8.2 | 9 - 10 | 15 | 50 |
| dimensions Ø x L mm | 13 x 75 | 13 x 100 | 16 x 75 | 16 x 100 | 8 x 66 | 11 x 66 | 13 x 65 | 15 x 75 | 11 x 92 | 13 x 90 | 15 x 92 | 16 x 92 | 17 x 120 | 29 x 115 |
| Cat.-No. | blood collection tubes | | | | | | | | | | | | 0509 | 0513 |
| lid 5095 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cat.-No. 5091 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cat.-No. | 5268 | 6301 | 5264 | 5248 | 5267 | 5227 | 5268 | 5264 | 5247 | 5268 | 5248 | 5258 | 6306 | 5259 |
| tubes per rotor | 72 | 72 | 72 | 72 | 120 | 120 | 72 | 72 | 120 | 72 | 72 | 66 | 42 | 12 |
| RCF | 3,363 | 3,309 | 3,327 | 3,309 | 3,291 | 3,327 | 3,363 | 3,327 | 3,309 | 3,363 | 3,309 | 3,309 | 3,452 | 3,381 |
| radius in mm | 188 | 185 | 186 | 185 | 184 | 186 | 188 | 186 | 185 | 188 | 185 | 185 | 193 | 189 |
| run-up in sec | 33 | | | | | | | | | | | | | |
| run-down in sec | ☐ 38 | | | | | | | | | | | | | |
| temperature °C ¹⁾ | -4 | | | | | | | | | | | | | |

























↙90°

**Swing-out rotor, 6-place,
n = 4,000 min⁻¹, RCF 3,631,
max. 6 x 250 ml,
illustrated with buckets No. 5092
and lid No. 5093, aerosol-tight.**

Cat.-No. **4296** without buckets

**Hettich representatives
all over the world offer
advice and support.
If you wish to have one of
our representatives
visit you, please call the
nearest local office
or our International Sales
and Service Department
in Tuttlingen,
+49 (0) 74 61/7 05 201**

| | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|--|---|
| capacity in ml | 6 | 7 | 15 | 25 | 50 | 100 | 100 | 250 | 250 | 15 | 50 |
| dimensions Ø x L mm | 12 x 82 | 12 x 100 | 17 x 100 | 24 x 100 | 34 x 100 | 44 x 100 | 40 x 115 | 65 x 115 | 62 x 135 | 17 x 120 | 29 x 115 |
| Cat.-No. | 0501 | 0578 | 0507 | 0519 | 0521 | 0526 | 0523 | 0530 | 5127 | 0509 | 0513 |
| lid, aerosol tight 5093 |  |  |  |  |  |  |  |  |  |  |  |
| Cat.-No. 5092 |  |  |  |  |  |  |  |  |  |  |  |
| Cat.-No. | 5128 | 5120 | 5121 | 5122 | 5124 | 5125 | 5126 | 1057 | 6319 | 5129 | 5123 |
| tubes per rotor | 72 | 72 | 42 | 24 | 6 | 6 | 6 | 6 | 6 | 42 | 12 |
| RCF | 3,542 | 3,542 | 3,542 | 3,434 | 3,506 | 3,488 | 3,488 | 3,488 | 3,631 | 3,631 | 3,631 |
| radius in mm | 198 | 198 | 198 | 192 | 196 | 195 | | 203 | | 203 | 203 |
| run-up in sec | 33 | | | | | | | | | | |
| run-down in sec | ☐ 38 | | | | | | | | | | |
| temperature °C ¹⁾ | -6 | | | | | | | | | | |

☐ braked run-down at level 9

Please take care not to exceed the tubes' max. permissible RCF!

1) Lowest attainable temperature in the ROTIXA 50 RS at max. speed



**Disc rotor, 6-place,
for Schlenk tubes,
n = 2,000 min⁻¹, RCF 805,
max. 6 x 50 ml.**

Cat.-No. **4316**



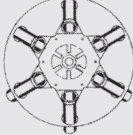



**Swing-out rotor, 4-place,
for ASTM tubes,
n = 4,000 min⁻¹, RCF 3,936,
max. 4 x 100 ml,
illustrated with buckets No. 4275.**

Cat.-No. **4274** without buckets



**Swing-out rotor, 2-place,
for plates and racks,
n = 3,600 min⁻¹, RCF 2,695,
max. 20 racks.**










Cat.-No. **4282** without buckets








| | | |
|--|---|---|
| capacity in ml | 25 | 50 |
| Cat.-No. | 0532 | 0533 |
|  n = 2,000 min⁻¹ Cat.-No. 4316 |  |  |
| |  | |
| Cat.-No. | 4317 | - |
| tubes per rotor | 6 | 6 |
| RCF | 783 | 805 |
| radius in mm | 175 | 180 |
| run-up in sec | 48 | |
| run-down in sec | ☐ 48 | |
| temperature °C ¹⁾ | - 12 | |

☐ braked run-down at level 9

Please take care not to exceed the tubes' max. permissible RCF!

- 1) Lowest attainable temperature in the ROTIXA 50 RS at max. speed
- 2) Please take care not to exceed the max. RCF of 700 for ASTM tubes recommended by the manufacturer

| | | | | |
|---|---|---|---|---|
| capacity in ml | 50 | 100 | 100 | 100 |
| dimensions Ø x L mm | 45 x 130 | 58 x 161 | 44 x 168 | 37 x 200 |
| Cat.-No. | - | 0528 | - | 0531 |
|  n = 4,000 min⁻¹ Cat.-No. 4275 |  |  |  |  |
| |  |  |  |  |
| Cat.-No. | 4278 | 0771 | 4277 | 4276 |
| tubes per rotor | 4 | 4 | 4 | 4 |
| RCF ²⁾ | 3,936 | 3,936 | 3,864 | 3,864 |
| radius in mm | 220 | 220 | 216 | 216 |
| run-up in sec | 18 | | | |
| run-down in sec | ☐ 23 | | | |
| temperature °C ¹⁾ | - 8 | | | |

| | | | | | | |
|--|---|--|---|---|---|---|
| H x W x D in mm | 86x128x22 86x128x15 | - | - | - | - | 90x132x52 86x128x22 86x128x15 |
|  n = 3,600 min⁻¹ Cat.-No. 4285 | 4 x Culture plate 6 x Micro- titre plate | 6 x Olympus rack | 7 x LKB rack | 10 x Hitachi rack | 5 x Behring rack | 1 x Micronic system 2 x Culture plate 2 x Microtitre plate |
| |  |  |  |  |  |  |
| Cat.-No. | 4281 | 4283 | 4286 | 4287 | 4288 | 4289 |
| qty. per rotor | 8/12 | 12 | 14 | 20 | 10 | 2/4/4 |
| RCF | 2,492 | 2,695 | | | | 2,550 |
| radius in mm | 172 | 186 | | | | 176 |
| run-up in sec | 87 | | | | | |
| run-down in sec | ☐ 87 | | | | | |
| temperature °C ¹⁾ | - 8 | | | | | |

ROTIXA 50 S/50 RS



| Technical details | ROTIXA 50 S Floorstanding centrifuge, without rotor Cat.-No. 4905 | ROTIXA 50 RS Floorstanding centrifuge, refrigerated, without rotor Cat.-No. 4910 Cat.-No. 4910-50 (heating /cooling version) |
|--------------------------------------|---|--|
| * Power supply: | 208 - 240 V 1~ | 220 - 240 V 1~ |
| Frequency: | 50 - 60 Hz | 50-60 Hz |
| Consumption: | 2.7 kVA | 3.68 kVA |
| Radio interference: Immunity: | EN 55011 ISM class B EN 50082-2 | |
| Capacity: | 4 x 1,000 ml (swing-out rotor) | |
| Speed/RCF: | n = 4,900 min ⁻¹ / RCF 5,503 | |
| Centrifuging chamber temperature: | - | controllable from: -20°C to +40°C with model 4910-50: -20°C to +60°C |
| Running Time: | 1-999 min, ∞ (continuous run) | |
| Dimensions: | (HxWxD) 1030 x 650 x 720 mm | (HxWxD) 1030 x 650 x 720 mm |
| Weight: | approx. 115 kg | approx. 172 kg |

* other voltages on request

Design

Torsion-free steel chassis, centrifuging chamber of stainless steel, panelling finished in scratch and impact resistant coating.



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