

Refrigeration: CM1900 50Hz

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- Defrosting of cryochamber:
 - A. Automatic defrosting: (1) Programmable: Yes; (2) Defrosting intervals: 1 defrost cycle/24 hours; (3) Defrosting period: 9 minutes; (4) Automatic stop of manual defrosting: at -5°C.
 - B. Manual defrosting: (1) Defrosting period: 9 minutes; (2) Automatic stop of manual defrosting: at -5°C.
- Quick freeze shelf: (1) Max. temperature: -43°C(+0 K/-2K); (2) Number of quick freeze stations: 10.
- Specimen cooling: (1) Temperature range: -10 to 50°C±2K, at an ambient temperature of 22°C; (2) Refrigeration capacity:320w; (3) Cut-off pressure: 25bar; (4) Safety factor: 3; (5) Refrigerant*: 210 g (±5g) refrigerant R404A*; (6) Compressor oil*; 0,41 alpha 22, Kyodo*.
- Defrigration of specimen head:
 - A. Automatic defrosting: no.
 - B. Manual defrosting: (1) Defrosting period: 10 minutes; (2) Automatic stop of manual defrosting: 10 min. after reaching +20°C

2. Microtome:

- Type: Microtome encapsulated in the cryochamber
- Section thickness setting: 0-60 um,infinitely variable
- Specimen feed: 25 mm
- Knife holder repositioning on the microtome
- base plate 30 mm
- Vertical stroke 59 mm
- Specimen retraction no
- Maximum specimen size Ø40 mm

3. Cryostat:

- Dimensions:
 - A. Width (w/o handwheel): 790 mm
 - B. Width(incl..handwheel): 890 mm
 - C. Depth(cabinet only): 725 mm
 - D. Depth(cabinet incl..mains plug): 800 mm
 - E. Overall heigh: 1200 mm
 - F. Working height: 1000 mm
- Weight (instrument only): 168 kg
- Weight incl. Accessories: 170 kg

4. Set-up conditions:

- Distance to walls and funniture,calculated from the cabinet: rear -10 cm, right side: - 20 cm, left side: 10 cm
- Plug the instrument only to power sockets with ground: Mains cable length - ≤3,5 m, Extendable - no

- The installation site must be free of draft and insolation; the floor must be free from vibrations.

5. Lamp: 50 Hz-Version: Osram DULU×S 11 W/21

6. Working temperature range: 0°C to-35°C ± 3 K.

- Minimum ambient temperature: 18 °C

- Minimum ambient temperature: 40°C

- Minimum relative humidity of air:60%

*Refrigerant and compressor oil must only be replaced by authorized service personnel