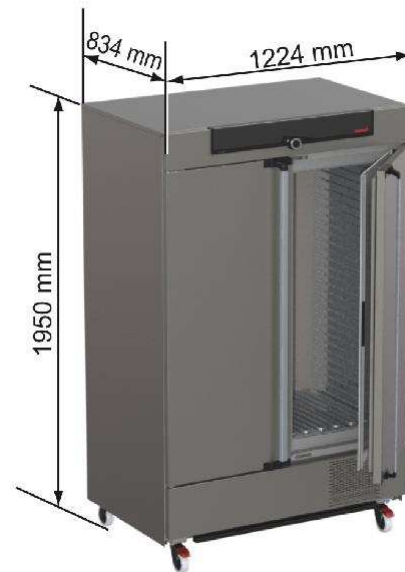memmer⊦

Experts in Thermostatics

Climate Chamber with light

Model ICH750L

Standard equipment

Ventilation and Control

- forced air circulation in working chamber adjustable from 10 to 100% in 10% steps

- no drying-up of the load caused by the cooling device due to separation of thermal jacket from interior

- adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays

- energy-saving use of CFC-free cooling/heating system (refrigerant R134a)

- highly efficient automatic defrosting system

- integral fault diagnostics for temperature and humidity control

- 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value

- digital timer adjustable from 1 minute to 99 days, 23 hours

- parameters adjustable on ControlCOCKPIT: temperature (Celsius or Fahrenheit), fan speed, light, programme time, time zones, summertime/wintertime

- SetpointWAIT function - the process time does not start until the set temperature is reached

- Setting of languages on ControlCOCKPIT: German/English/Spanish/French

- resolution of display for setpoint and actual temperature values 0.1°C

- calibration facility directly at ControlCOCKPIT for three freely selectable temperature values, 2-point calibration for humidity: 20 and 80% rh

- humidity supply with distilled water from external tank by self-priming pump

- programme stored in case of power failure

- incl. works calibration certificate for +10°C and +37°C, 60% rh at +30°C

Humidifying and dehumidifying system

- active humidifying and de-humidifying adjustable from 10-80% rh with digital display of relative humidity - resolution of display 0.5%, setting accuracy 1%

- humidity supply with distilled water from external tank by self-priming pump

- humidification by hot steam generator

Multiple Overtemperature Protection

- with audible and visual alarm

- over- and undertemperature monitor TWW, protection class 3.3 or adjustable temperature limiter TWB, protection class 2, selectable on display

- mechanical temperature limiter TB, protection class 1 according to DIN 12 880

- additionally integrated over- and undertemperature protection "ASF", automatically following the setpoint value at a preset tolerance range; alarm in case of over- or undertemperature, heating is switched off in case of overtemperature, compressor in case of undertemperature

- mechanical temperature limiter TB, protection class 1 according to DIN 12 880 to switch off the heating approx. 10°C above nominal temperature

Textured Stainless Steel Casing

- w x h x d: 1224 x 1950 x 834 mm
- fully insulated stainless steel doors with 2-point locking (compression door lock)
- inner glass doors
- rear zinc-plated steel
- on lockable castors

Interior - Heating Concept

- w x h x d: 1040 x 1200 x 600 mm, 749 l
- air jacket heating system for gentle all-around heating
- 2 stainless steel grids

Illumination

- illumination unit consisting of 4 fluorescent lights with cold white light (standard illuminant D65; 6.500K) and 2 UV-lamps in the spectral range of 315-400 nm, llight intensity approx. 8.000 Lux
- daylight and UV-light can be programmed individually via controller

Light homogeneity

- cold white light +/- 6%, for UV-light +/- 10%

Temperature Range

- from +10℃ up to +60℃ with humidity

Voltage / Power Rating

- ca. 1.200 W

Packing Data

- net weight approx. 249 kg
- gross weight carton approx. 324 kg
- dimensions approx.:
  carton w x h x d: 133 x 221 x 105 cm
- the appliances must be transported upright

Customs Tariff Number

- 8419 8998

Country of Origin

- Federal Republic of Germany

WEEE-Reg.-No.

- DE 66812464