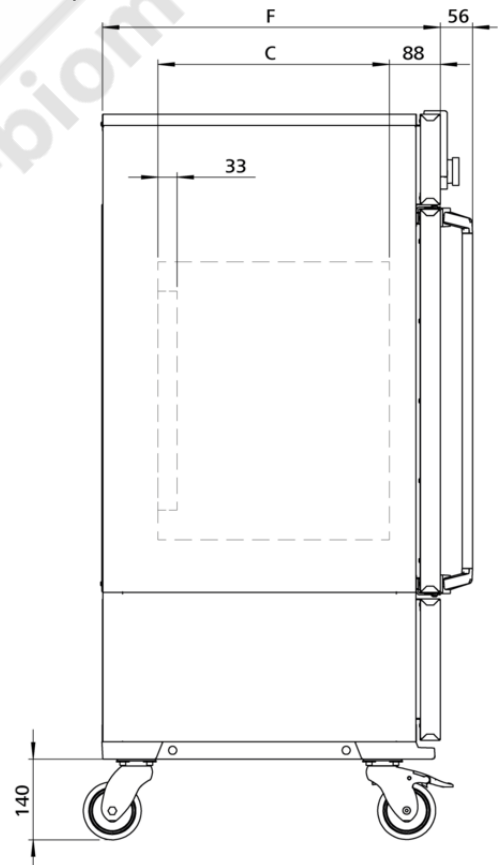
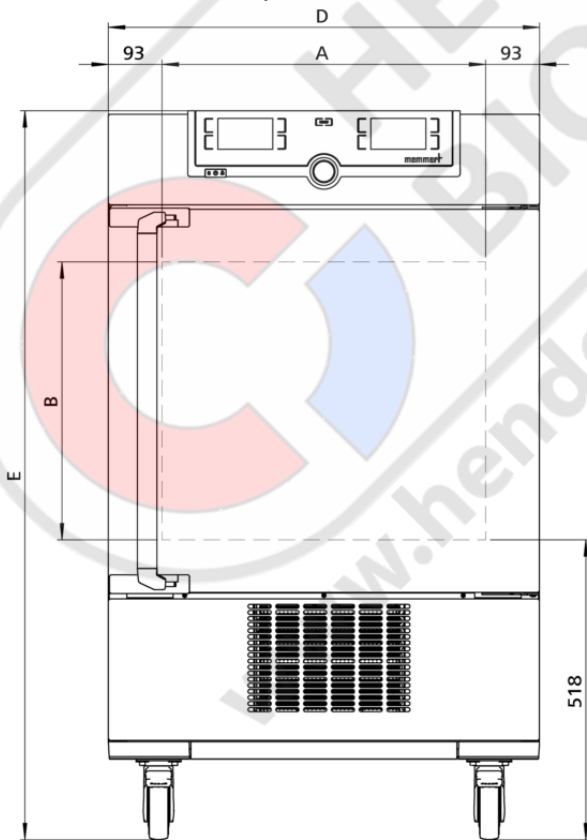


ICP110

Ideal for ramp operation with rapid temperature changes during incubation, breeding or storage.



With the help of our model selection, with dimensioned model sketches and extensive technical data for download, you can find the right cooled incubator ICP for your needs. For small volumes and for work predominantly in the proximity of the ambient temperature, the Memmert Peltier-cooled incubator is recommended. Flexibility and technical features of our appliances meet all possible needs. Put us to the test!



Temperature

Setting temperature range -12 to +60 °C

Working-temperature range from -12°C up to +60°C (Optimum performance of cooling aggregate at an ambient temperature of +16°C up to +34°C. Not suitable for long-term storing at sub-zero temperatures. During permanent operation, the glass door may ice over.)

Setting accuracy temperature 0.1 °C

Temperature sensor 2 Pt100 sensors DIN Class A in 4-wire-circuit for mutual monitoring, taking over functions in case of an error

Control technology

ControlCOCKPIT TwinDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays.

Language setting German, English, Spanish, French, Polish, Czech, Hungarian

Timer Digital backwards counter with target time setting, adjustable from 1 minute to 99 days

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

Calibration three freely selectable temperature values

adjustable parameters temperature (Celsius or Fahrenheit), fan speed, programme time, time zones, summertime/wintertime

Communication

Documentation programme stored in case of power failure

Programming AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port

Safety

Temperature control mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 10°C above nominal temperature

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

AutoSAFETY 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

Autodiagnostic system for fault analysis

Alarm visual and acoustic

Heating concept

Air jacket air jacket heating system for gentle all-around heating

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

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

Defrosting highly efficient automatic defrosting system

Standard equipment

Works calibration certificate	for +10°C and +37°C
Door	fully insulated stainless steel door with 2-point locking (compression door lock)
Door	inner glass door
Internals	2 stainless steel grid(s), electropolished

Stainless steel interior

Dimensions	$w_{(A)} \times h_{(B)} \times d_{(C)}$: 560 x 480 x 400 mm (d less 33 mm for fan)
Volume	108 l
Max. number of internals	5
Max. loading of chamber	150 kg
Max. loading per internal	20 kg

Textured stainless steel casing

Dimensions	$w_{(D)} \times h_{(E)} \times d_{(F)}$: 745 x 1233 x 584 mm (d +56mm door handle)
Installation	on lockable castors
Housing	rear zinc-plated steel

Electrical data

Voltage	230 V, 50/60 Hz
Electrical load	approx. 1200 W
Voltage	115 V, 50/60 Hz
Electrical load	approx. 1200 W

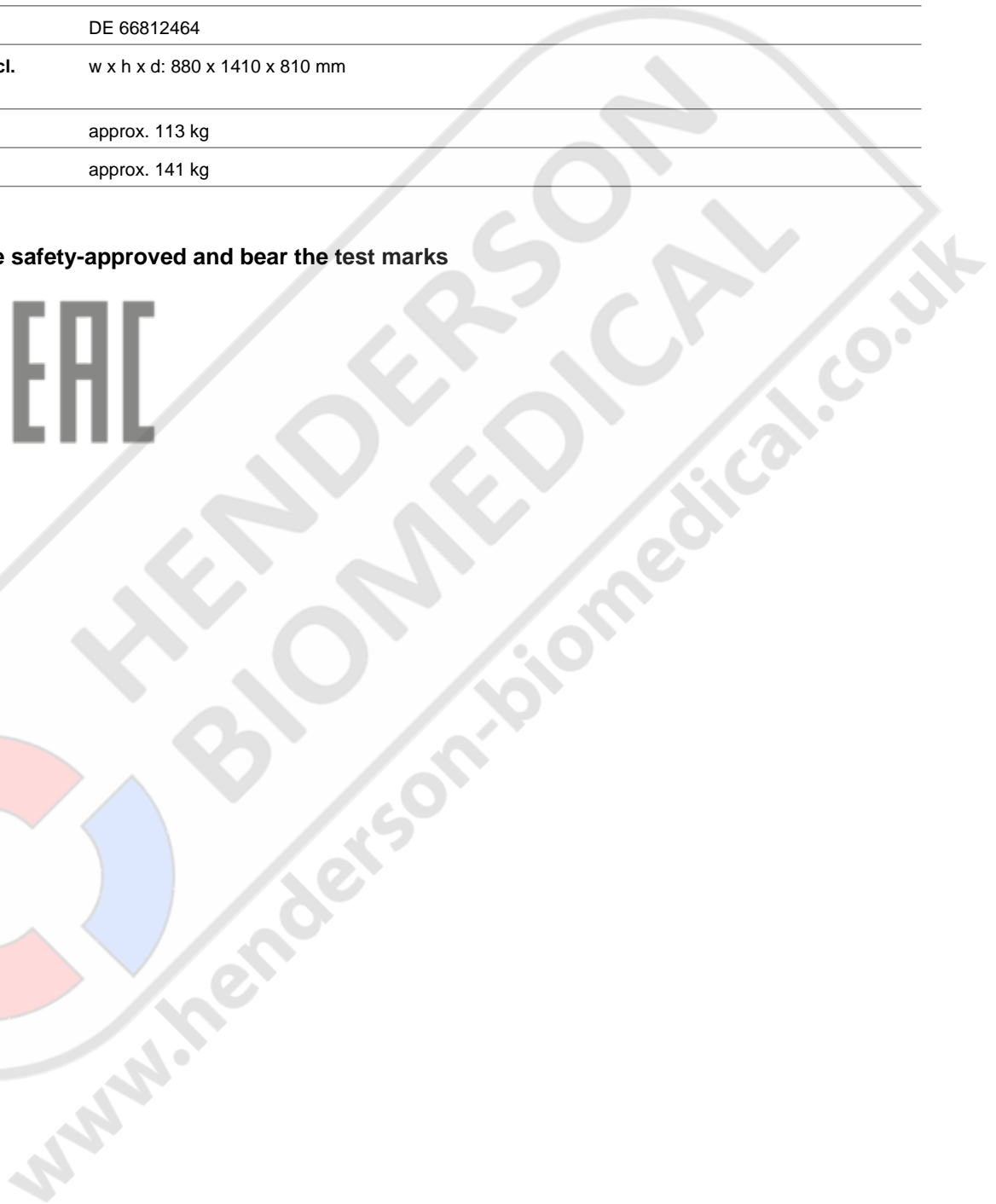
Ambient conditions

Set Up	The distance between the wall and the rear of the appliance must be at least 15 cm. The clearance from the ceiling must not be less than 20 cm and the side clearance from walls or nearby appliances must not be less than 5 cm.
Ambient temperature	15 °C to 28 °C (up to 34 °C with limited temperaturerange)
Humidity rh	max. 70 %, non-condensing
Altitude of installation	max. 2,000 m above sea level
Overvoltage category	II
Pollution degree	2

Packing/shipping data

Transport information	The appliances must be transported upright
Customs tariff number	8419 8998
Country of origin	Federal Republic of Germany
WEEE-Reg.-No.	DE 66812464
Dimensions approx incl. carton	w x h x d: 880 x 1410 x 810 mm
Net weight	approx. 113 kg
Gross weight carton	approx. 141 kg

Standard units are safety-approved and bear the test marks





LABORATORY EQUIPMENT MAINTENANCE, REPAIR, CALIBRATION AND SALES

Established in 1987, Henderson Biomedical is the UK's leading laboratory equipment sales and service provider. Our knowledgeable team can provide you with excellent sales advice on a range of different types of laboratory equipment including centrifuges, refrigerators, freezers and heat sealers.

Henderson Biomedical is also able to provide you with first class after-sales service and calibration of your laboratory equipment. We are an **ISO 17025 (UKAS) accredited calibration test laboratory** and our team of Field Service Engineers cover the whole of the United Kingdom.

Please contact us for more information on the types of equipment we supply and the different after-sales services we can offer.

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