

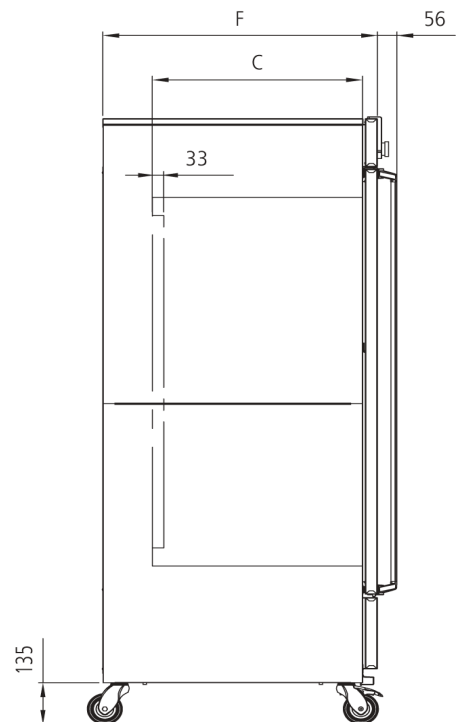
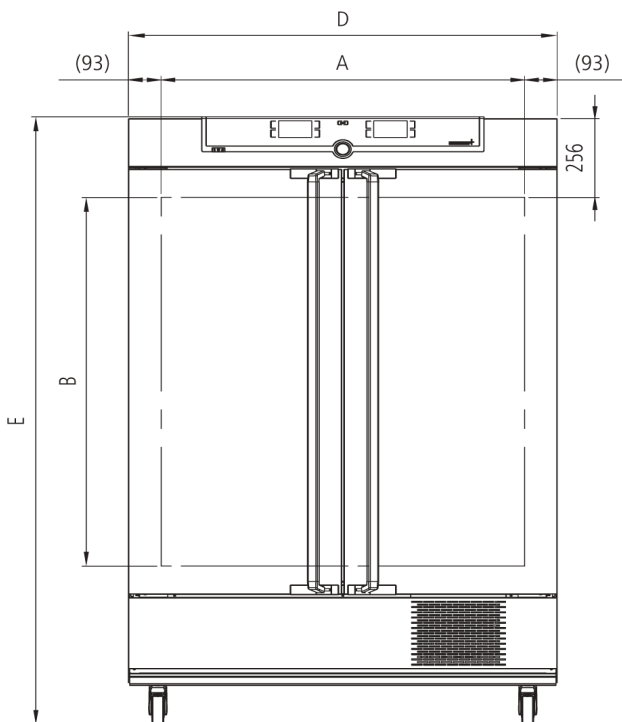


## Compressor-cooled incubator ICP450

Do you require different ramps for incubating, breeding or storing? Do you need a larger chamber volume and at the same time quick temperature changes?



With the help of our model selection, with dimensioned model sketches and extensive technical data for download, you can find the right cooled incubator 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

<b>Working-temperature range</b>	from -12°C up to +60°C (Optimum performance of cooling aggregate at an ambient temperature of +16°C up to +32°C. Not suitable for long-term storing at sub-zero temperatures. During permanent operation, the glass door may ice over.)
<b>Setting accuracy temperature</b>	0.1°C
<b>Temperature</b>	2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value

## Control technology

<b>ControlCOCKPIT</b>	TwinDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays.
<b>Language setting</b>	German, English, Spanish, French, Polish, Czech, Hungarian
<b>Timer</b>	Digital backwards counter with target time setting, adjustable from 1 minute to 99 days
<b>Function SetpointWAIT</b>	the process time does not start until the set temperature is reached
<b>Calibration</b>	three freely selectable temperature values
<b>adjustable parameters</b>	temperature (Celsius or Fahrenheit), fan speed, programme time, time zones, summertime/wintertime

## Communication

<b>Documentation</b>	programme stored in case of power failure
<b>Programming</b>	AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port

## Safety

<b>Temperature control</b>	mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 10°C above nominal temperature
<b>Temperature control</b>	over- and undertemperature monitor TWW, protection class 3.3 or adjustable temperature limiter TWB, protection class 2, selectable on display
<b>AutoSAFETY</b>	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
<b>Autodiagnostic system</b>	for fault analysis
<b>Alarm</b>	visual and acoustic

## Heating concept

<b>Air jacket</b>	air jacket heating system for gentle all-around heating
<b>Heating concept</b>	no drying-up of the load caused by the cooling device due to separation of thermal jacket from interior
<b>Cooling</b>	energy-saving use of CFC-free cooling/heating system (refrigerant R134a)
<b>Defrosting</b>	highly efficient automatic defrosting system

## Standard equipment

<b>Scope of delivery</b>	incl. works calibration certificate for +10°C and +37°C
<b>Door</b>	inner glass doors
<b>Door</b>	fully insulated stainless steel doors with 2-point locking (compression door lock)
<b>Internals</b>	2 stainless steel grids

## Stainless steel interior

<b>Volume</b>	449 l
<b>Dimensions W x H x D in mm</b>	$w_{(A)} \times h_{(B)} \times d_{(C)}$ : 1040 x 720 x 600 mm
<b>Max. loading of chamber</b>	200 kg

## Textured stainless steel casing

<b>Installation</b>	on lockable castors
<b>Dimensions</b>	$w_{(D)} \times h_{(E)} \times d_{(F)}$ : 1224 x 1613 x 784 mm
<b>Housing</b>	rear zinc-plated steel

## Electrical data

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

## Packing/shipping data

the appliances must be transported upright

<b>Customs tariff number</b>	8419 8998
<b>Country of origin</b>	Federal Republic of Germany
<b>WEEE-Reg.-No.</b>	DE 66812464
<b>Dimensions approx incl. carton</b>	B x H x T: 1330 x 1700 x 1050 mm
<b>Net weight</b>	approx. 217 kg
<b>Gross weight carton</b>	approx. 282 kg

Standard units are safety-approved and bear the test marks

