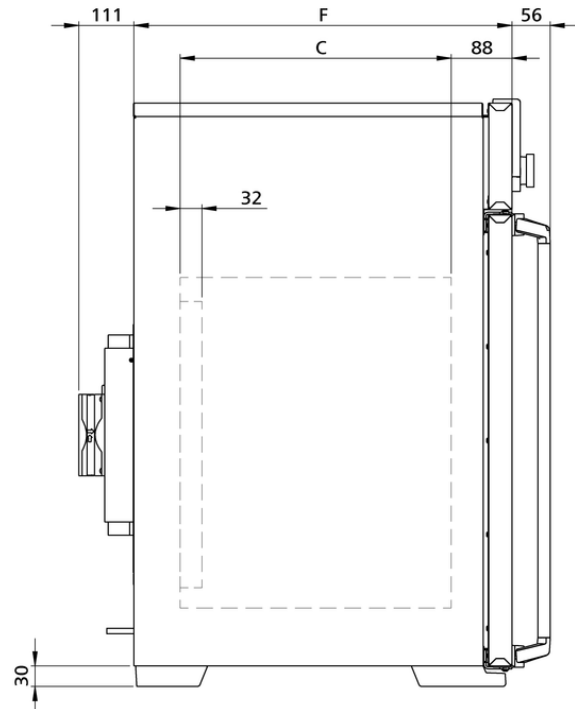
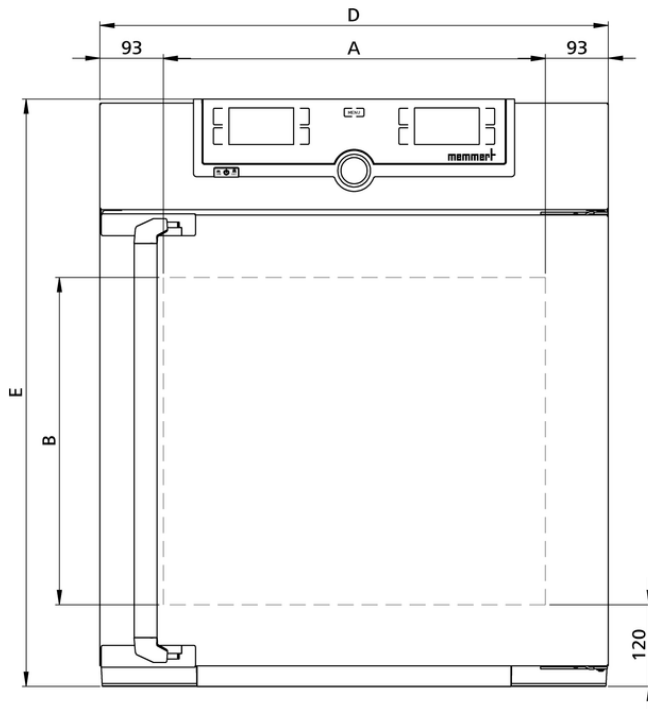


## Peltier-cooled incubator IPP110ecoplus

Sets eco standards for cultivation below room temperature: unmatched energy efficiency, best values for heat-up, cool-down and recovery times.



With the help of our model selection, with dimensioned model sketches and extensive technical data for download, you will find your perfect Peltier-cooled incubator. For large volumes in conjunction with rapid temperature changes, the Memmert compressor-cooled incubator is recommended. Flexibility and technical features of our appliances meet all possible needs. Put us to the test!



## Temperature

<b>Setting temperature range</b>	0 to +70 °C
<b>Working temperature range</b>	from 0 (at least 20 below ambient temperature) to +70°C
<b>Setting resolution temperature</b>	0.1 °C
<b>Temperature sensor</b>	2 Pt100 sensors DIN Class A in 4-wire-circuit for mutual monitoring, taking over functions in case of an error

## Control technology

<b>ControlCOCKPIT</b>	TwinDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-color 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), timer

## Ventilation

<b>Convection</b>	forced ventilation by Peltier fan
-------------------	-----------------------------------

## Communication

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

## Safety

<b>Temperature control</b>	adjustable electronic over- and undertemperature monitor
<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 function is switched off in case of overtemperature, cooling function in case of undertemperature
<b>Autodiagnostic system</b>	for fault analysis
<b>Alarm</b>	visual and acoustic

## Heating concept

<b>Peltier</b>	Heating and cooling performance distribution by individual control of the Peltier elements in the upper and lower row
<b>Peltier</b>	energy-saving Peltier heating-/cooling system integrated in the rear (heat pump principle)

## Standard equipment

<b>Door</b>	fully insulated stainless steel door with 2-point locking (compression door lock)
<b>Shelving</b>	2 stainless steel grids, electropolished
<b>Works calibration certificate</b>	for +10°C and +37°C
<b>Door</b>	inner glass door

## Stainless steel interior

<b>Dimensions</b>	$w_{(A)} \times h_{(B)} \times d_{(C)}$ : 22 x 18.9 x 15.7 inches (d less 1.3" for fan - Peltier)
<b>Volume</b>	108 l / 3.8 cu. Ft.
<b>Max. number of shelves</b>	5
<b>Max. loading of chamber</b>	330 lbs
<b>Max. loading per shelf</b>	44 lbs

## Textured stainless steel casing

<b>Dimensions</b>	$w_{(D)} \times h_{(E)} \times d_{(F)}$ : 29.3 x 34 x 21.9 inches (d +2.2" door handle)
<b>Housing</b>	rear zinc-plated steel

## Electrical data

<b>Voltage</b>	230 V ( $\pm 10\%$ ), 50/60 Hz
<b>Electrical load</b>	approx. 320 W / 1.4 A
<b>Voltage</b>	115 V ( $\pm 10\%$ ), 50/60 Hz
<b>Electrical load</b>	approx. 320 W / 2.8 A

## Ambient conditions

<b>Set Up</b>	The distance between the wall and the rear of the appliance must be at least 6 inches. The clearance from the ceiling must not be less 8 inches and the side clearance from walls or nearby appliances must not be less than 2 inches.
<b>Ambient temperature</b>	16 °C to 40 °C
<b>Humidity rh</b>	max. 70 %, non-condensing
<b>Altitude of installation</b>	max. 2,000 m above sea level
<b>Overvoltage category</b>	II
<b>Pollution degree</b>	2

### Packing/shipping data

<b>Transport information</b>	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>	w x h x d: 33 x 42 x 32 inches
<b>Net weight</b>	approx. 172 lbs
<b>Gross weight carton</b>	approx. 228 lbs

**Standard units are safety-approved and bear the test marks**

