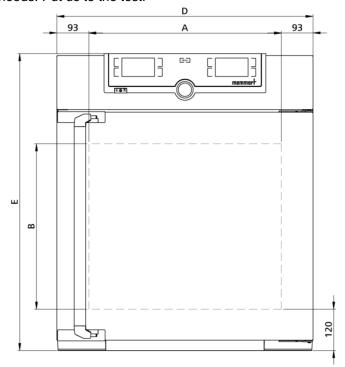


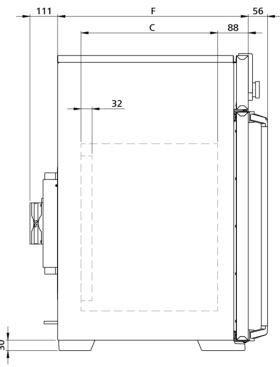
IPP110ecoplus

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, dimensional model sketches and extensive technical data for download, you will find your perfect Peltier-cooled incubator. Flexibility and technical features of our appliances meet all possible needs. Put us to the test!





Temperature	Te	mr	era	ture
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Setting temperature range	0 to +70 °C
Working temperature range	with light: +10 to +40 °C
Working temperature range	without light: from 0 (at least 20 below ambient temperature) to +70°C
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	parameters temperature (Celsius or Fahrenheit), programme time, time zones, summertime/wintertime	

Ventilation

Convection forced ventilation by Peltier fan

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	over- and undertemperature monitor TWW, protection class 3.3 or adjustable temperature limiter TWB, protection class 2, selectable on display 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	
AutoSAFETY		
Autodiagnostic system	for fault analysis	
Alarm	visual and acoustic	

Heati	na	con	ce	pt

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

Standard equipment

Works calibration certificate	for +10 °C, +25 °C and +40 °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) x h _(B) x d _(C) : 560 x 480 x 400 mm (d less 32 mm for fan - Peltier)
Volume	108 I
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 864 x 555 mm (d +56mm door handle & +111mm Peltier element)
Housing	rear zinc-plated steel

Electrical data

Voltage	230 V, 50/60 Hz
Electrical load	approx. 320 W
Voltage	115 V, 50/60 Hz
Electrical load	approx. 320 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	16 °C to 40 °C	
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-RegNo.	DE 66812464
Dimensions approx incl. carton	w x h x d: 830 x 1050 x 800 mm
Net weight	approx. 63 kg
Gross weight carton	approx. 86 kg

Standard units are safety-approved and bear the test marks

