# memmert

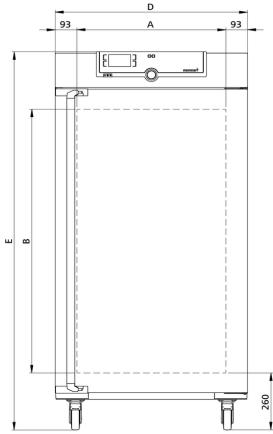
### Peltier-cooled incubator

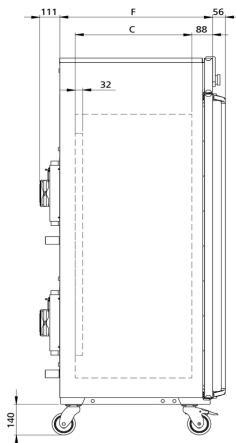
## IPP410eco

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

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	1 Pt100 sensor DIN class A in 4-wire-circuit

#### **Control technology**

Language setting	German, English, Spanish, French, Polish, Czech, Hungarian	
ControlCOCKPIT	SingleDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with high-definition TFT-colour display	
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), programme time, time zones, summertime/wintertime	

#### Ventilation

Convection	forced ventilation by Peltier fan	
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#### Communication

Documentation	programme stored in case of power failure
Programming	AtmoCONTROL software for reading out, managing and organising the data logger via Ethernet interface (temporary trial version can be downloaded). USB stick with AtmoCONTROL software available as accessory (on demand).

Safety	
Temperature control	adjustable electronic overtemperature monitor and mechanical temperature limiter
Autodiagnostic system	for fault analysis

#### **Heating concept**

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)
Internals	2 stainless steel grid(s), electropolished
Door	inner glass door

#### **Stainless steel interior**

Dimensions	w <sub>(A)</sub> x h <sub>(B)</sub> x d <sub>(C)</sub> : 640 x 1200 x 500 mm (d less 32 mm for fan - Peltier)
Volume	384
Max. number of internals	14
Max. loading of chamber	200 kg
Max. loading per internal	20 kg

#### Textured stainless steel casing

Dimensions	$w_{(D)} \ge h_{(E)} \ge h_{(E)} \ge h_{(F)} \ge h_{($	
Installation	on lockable castors	
Housing	rear zinc-plated steel	

#### **Electrical data**

Voltage Electrical load	230 V, 50/60 Hz approx. 600 W	
Voltage Electrical load	115 V, 50/60 Hz approx. 600 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: 930 x 1930 x 930 mm
Net weight	approx. 139 kg
Gross weight carton	approx. 190 kg

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

CE