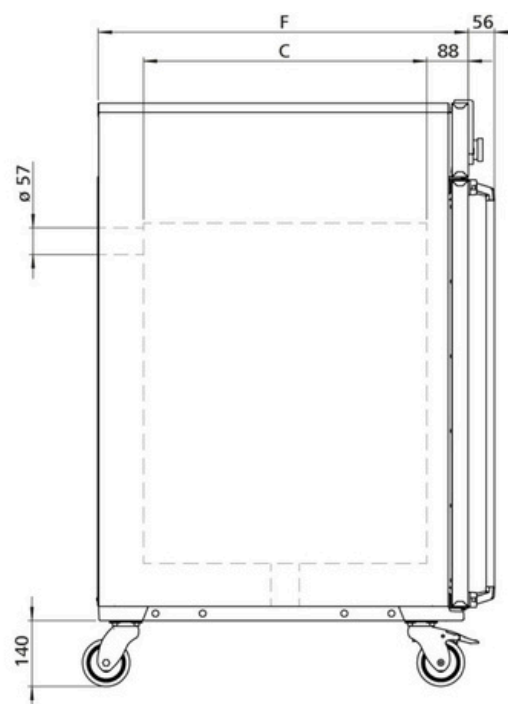
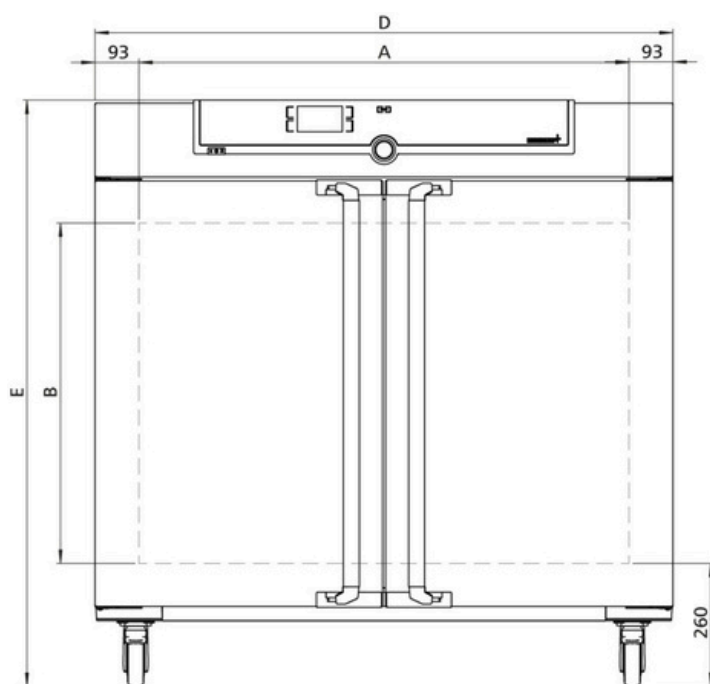


IN450

The incubator I is perfect for the world of research, medicine, pharmaceuticals and food analytics, as well as food chemistry.



Temperature

Setting temperature range	+20 to +80 °C
Working temperature range	at least 5 above ambient temperature to +80 °C
Setting accuracy temperature	0.1 °C
Temperature sensor	1 Pt100 sensor DIN class A in 4-wire-circuit

Control technology

Control	COCKPIT 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 Setpoint	WAIT the process time does not start until the set temperature is reached
Calibration	three freely selectable temperature values
adjustable parameters	temperature (Celsius or Fahrenheit), air flap position, programme time, time zones, summertime/wintertime

Ventilation

Convection	natural convection
Fresh air	Admixture of pre-heated fresh air by electronically adjustable air flap
Vent	vent connection with restrictor flap

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 TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20°C above nominal temperature
Autodiagnostic system	for fault analysis

Standard equipment

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

Stainless steel interior

Interior	easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides	
Volume	Dimensions	449 l
Max. number of internals	w(A) x h(B) x d(C): 1040 x 720 x 600 mm	
Max. loading of chamber	8	
Max. loading per internal	300 kg	
	30 kg	

Textured stainless steel casing

Dimensions	w(D) x h(E) x d(F): 1224 x 1247 x 784 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. 1800 W	
Voltage	115 V, 50/60 Hz	
Electrical load	approx. 1500 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.	
Altitude of installation	max. 2,000 m above sea level	
Ambient temperature	+5 °C to +40 °C	
Humidity rh	max. 80 %, non-condensing	
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: 1330 x 1440 x 1050 mm	
Net weight	approx. 161 kg	
Gross weight carton	approx. 227 kg	

Standard units are safety-approved and bear the test marks

