

**CalPower**

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CALIBRATION CLIMATIC CHAMBER

(- 5 °C ...+ 60 °C)

Model:
K3-90

- Calibration climatic chamber - metrology performance
- Perfect for calibration of air temperature and relative humidity sensors
- Superior temperature & humidity control and uniformity
- Convenient – Side Access for Cables & Probes
- Data loggers and sensors calibration
- World-class metrology performance
- Mixed flow humidity control

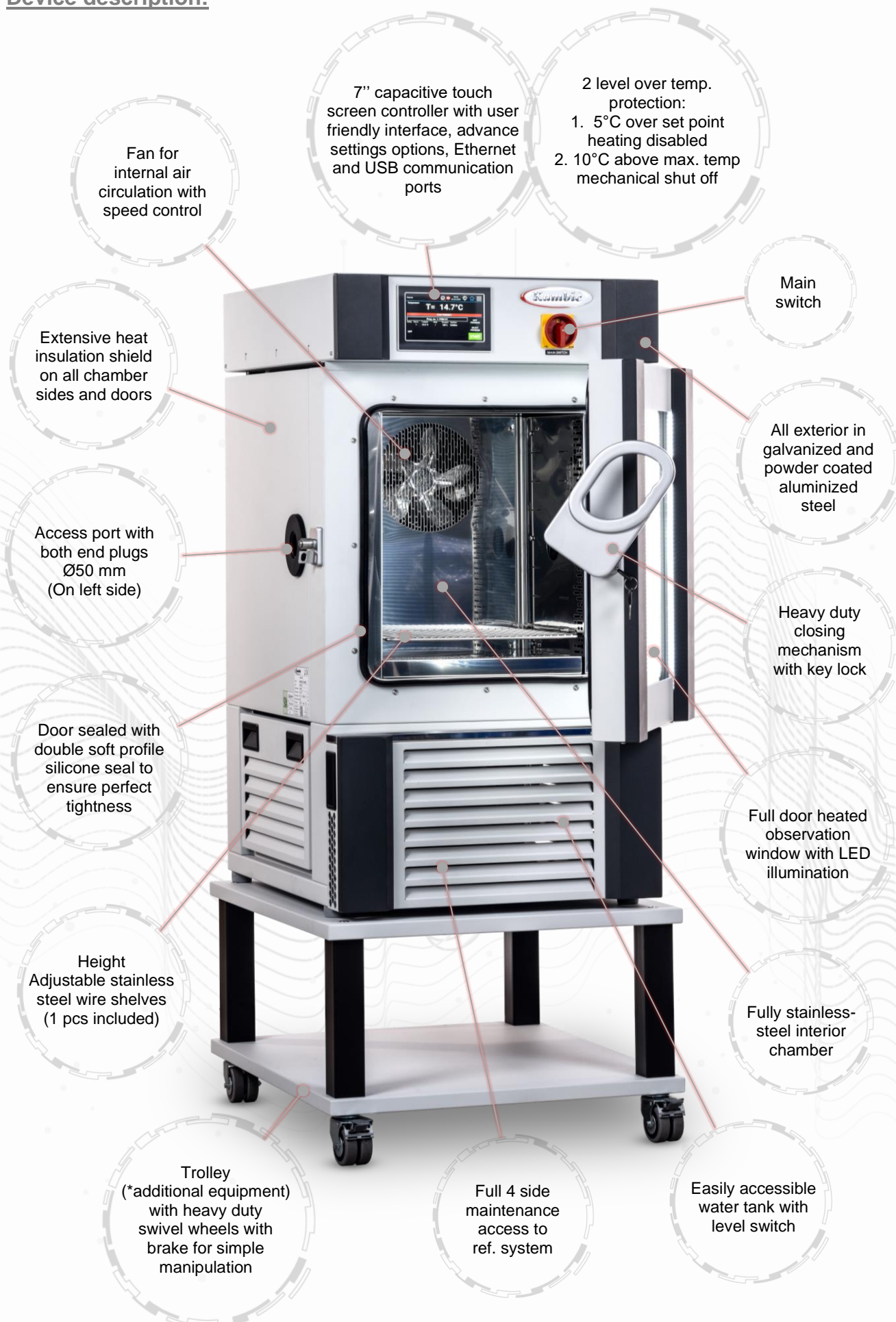


Relative humidity

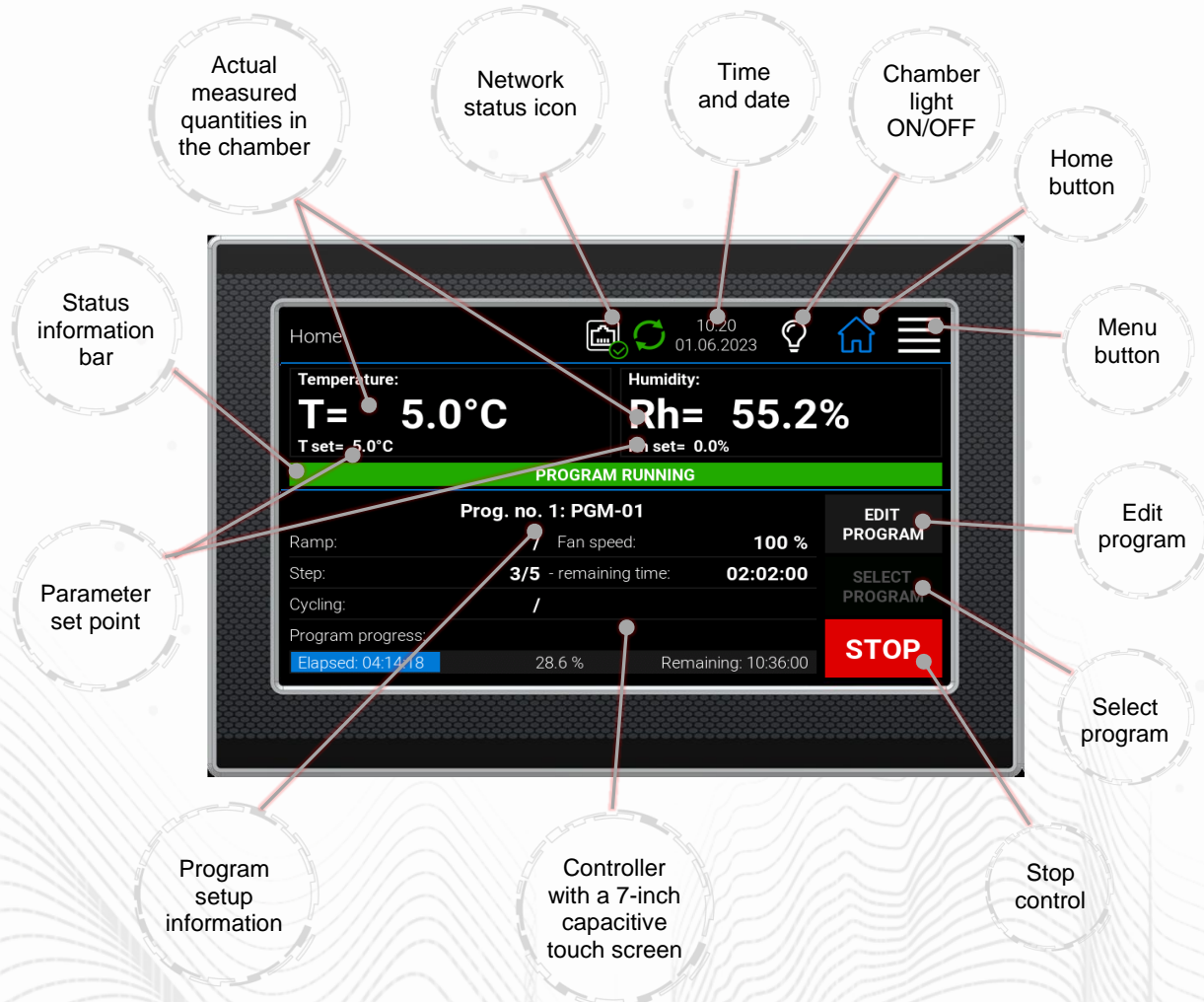


Temperature

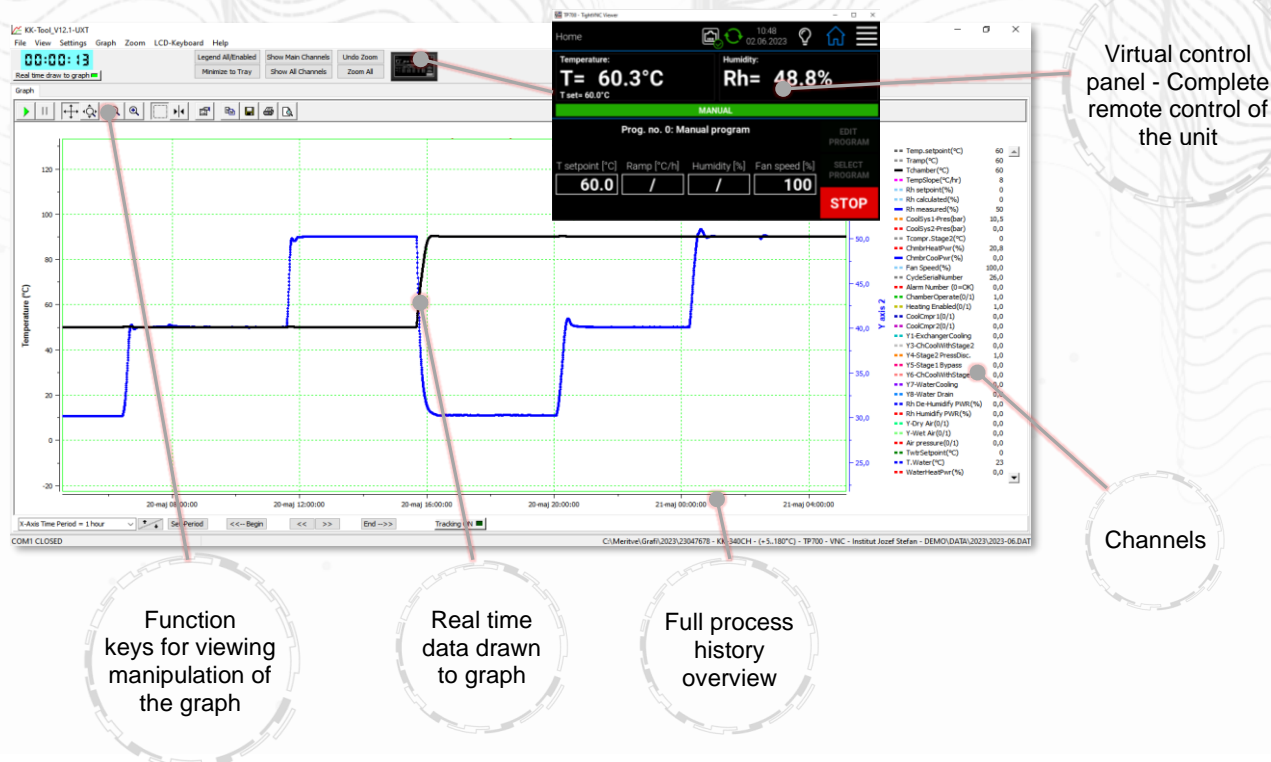
Device description:



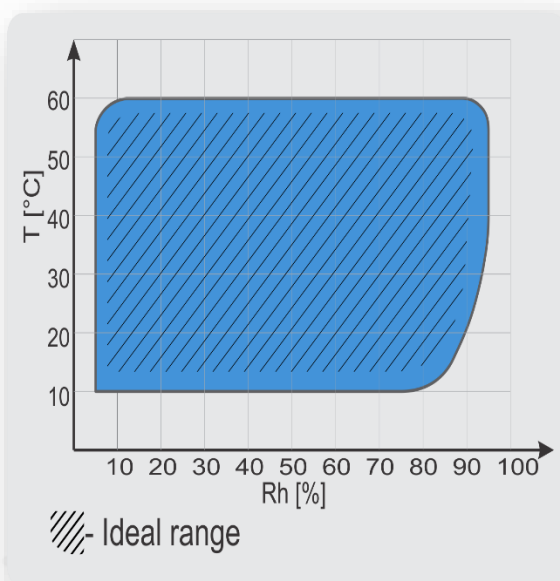
Touch display with advanced controller functions:



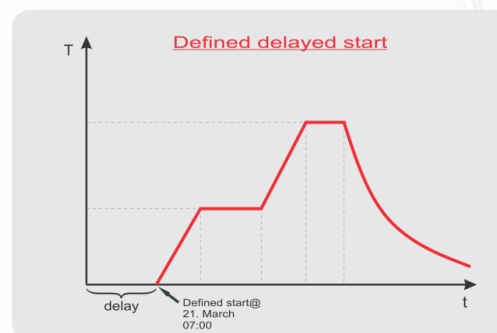
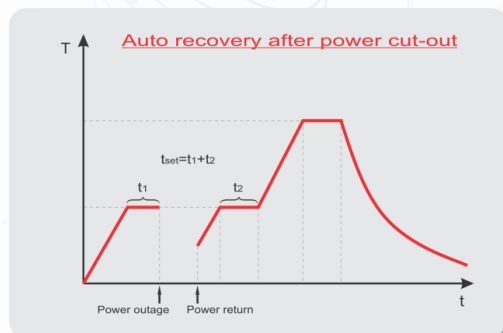
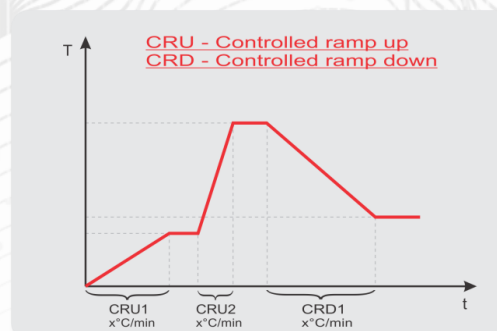
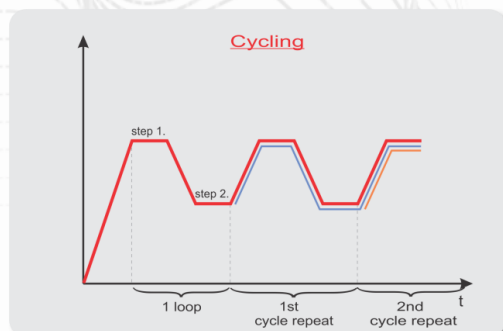
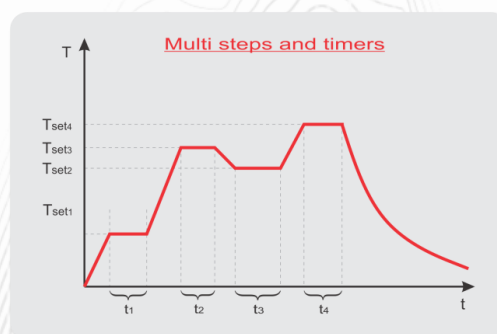
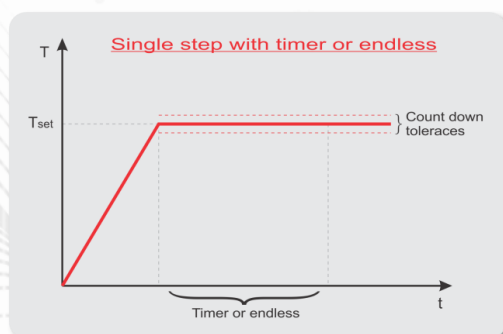
KK-Tool software for PC (free – included with every unit):




Rh range:



Controller functions:



	K3-90
	
External dimensions (WxHxD) [mm]	650 x 1223 x 793
Internal dimensions (WxHxD) [mm]	480 x 460 x 411
Volume [L]	~ 90
Temperature range [°C]	- 5 ... + 60
Heat up rate [°C/min] (according to EN 60068-3-5)	2,0
Cool down rate [°C/min] (according to EN 60068-3-5)	0,7
Temperature display res [°C]	0.1
Temperature set res. [°C]	0.1
Temperature stability [°C]	$\pm 0.05 @ - 5 ^\circ \text{C}$ $\pm 0.05 @ + 0 ^\circ \text{C}$ $\pm 0.05 @ + 15 ^\circ \text{C}, 75 \% \text{ Rh}$ $\pm 0.05 @ + 20 ^\circ \text{C}, 60 \% \text{ Rh}$ $\pm 0.08 @ + 30 ^\circ \text{C}, 65 \% \text{ Rh}$ $\pm 0.05 @ + 50 ^\circ \text{C}, 15 \% \text{ Rh}$ $\pm 0.05 @ + 50 ^\circ \text{C}, 75 \% \text{ Rh}$
Temperature uniformity [°C]	$\pm 0.25 @ - 5 ^\circ \text{C}$ $\pm 0.20 @ + 0 ^\circ \text{C}$ $\pm 0.25 @ + 15 ^\circ \text{C}, 75 \% \text{ Rh}$ $\pm 0.25 @ + 20 ^\circ \text{C}, 60 \% \text{ Rh}$ $\pm 0.40 @ + 30 ^\circ \text{C}, 65 \% \text{ Rh}$ $\pm 0.20 @ + 50 ^\circ \text{C}, 75 \% \text{ Rh}$ $\pm 0.20 @ + 50 ^\circ \text{C}, 15 \% \text{ Rh}$
Rh range [%]	5...95
Rh display resolution [%]	0.1
Rh set resolution [%]	0.1
Rh stability [%]	$\pm 0.3 @ 20 ^\circ \text{C}, 60 \% \text{ Rh}$ (better than ± 0.5 full range)
Temperature control	PID (PT-100)
Relative humidity control	Dew point RH control via Rh capacitive sensor / dry air purge for extended range
Power supply	230V 50/60 Hz
Wattage [W]	3500
Interface	USB and Ethernet
Shelve	1 (max 6)
Shelve capacity [kg]	20
Max capacity [kg]	50
Water reservoir capacity [L]	8.2
Water consumption [L/24 h]	~0.8
Observation window	As standard
Access port [mm]	Ø 50 (left side)
Noise [dBA] @ 1 m distance	58
Weight [kg]	195

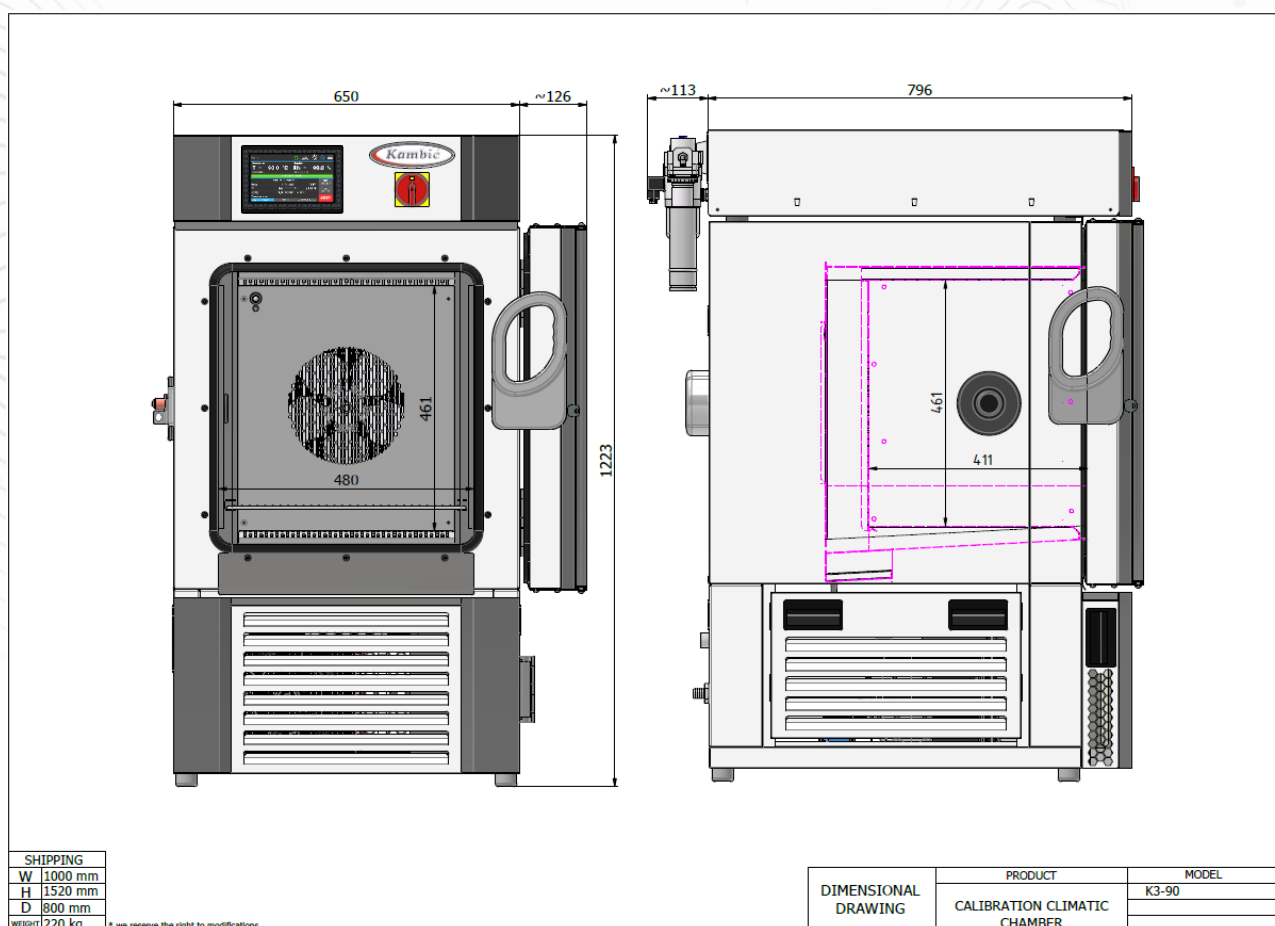
**All performance in controlled environment ($T_{\text{ambient}} = 21 ^\circ \text{C} \pm 3 ^\circ \text{C}$)!*

**Accessories might affect performance!*

Ordering information and accessories

Description	Part no.
Calibration Climatic chamber K3-90	883
Shelve K3-90	898
Access Port w. Plug Ø 50 mm right	608
Access Port w. Plug Ø 90 mm right	1731
Automatic water feeding	1744
Trolley	2610
Evaluation report 9 points, 3 climatic values - performed by Kambic	1719
Evaluation report 9 points, 3 climatic values - Accredited	1777

**Accessories might affect performance!*



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