

Kambič

TEMPERATURE CHAMBERS

(+ 5 °C ...+ 180 °C)

Model:

TK-68 CK

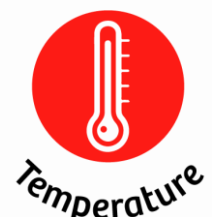
TK-190 CK

TK-340 CK

TK-500 CK

TK-1000 CK

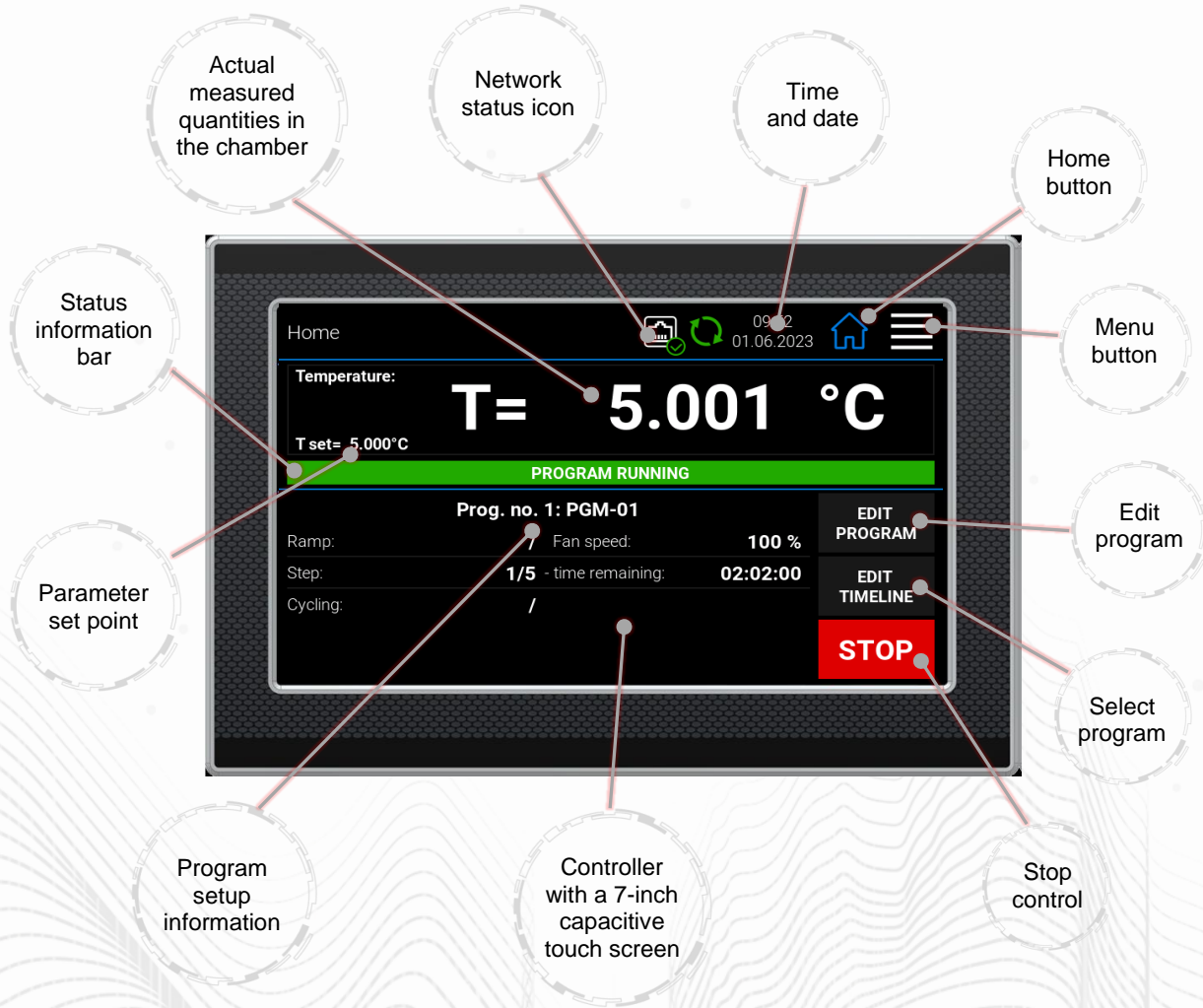
- Material temperature resistance and product testing
 - Maintaining superior temperature & Rh stability
 - Sample conditioning prior to other tests
 - Data loggers and sensors calibration
 - Temperature controlled test polygon
 - World class metrology performance
 - Accelerated ageing
 - Stress tests



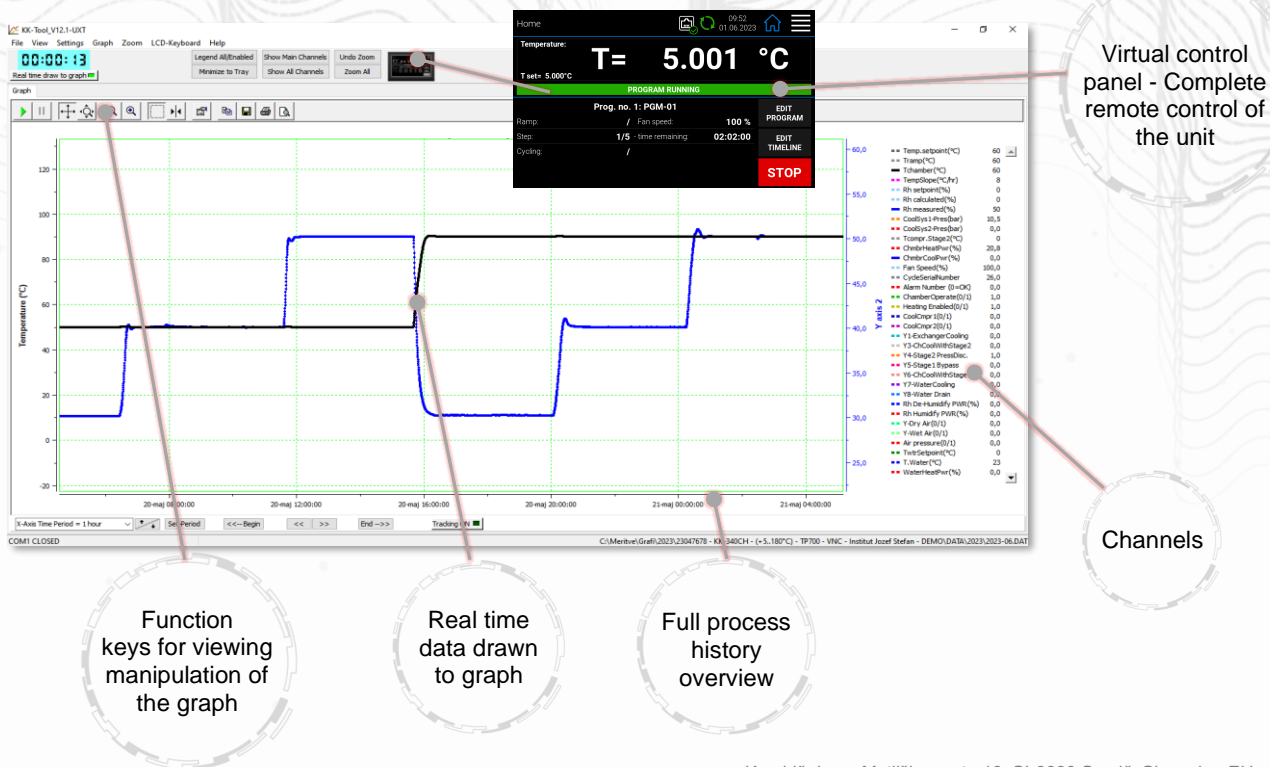
Device description:



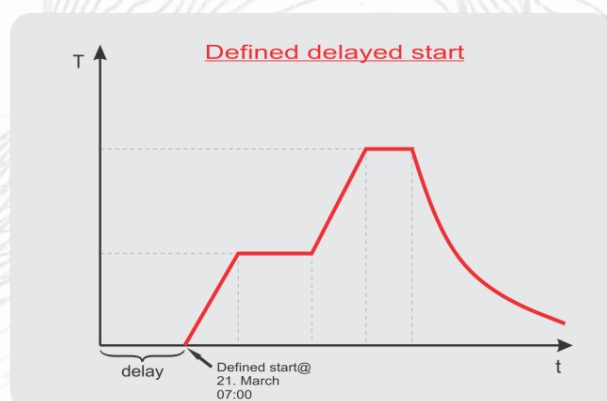
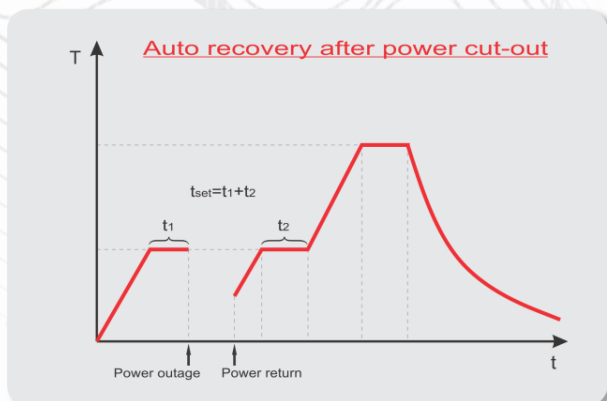
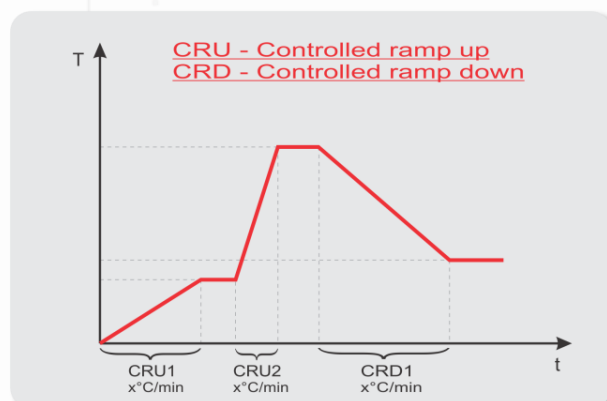
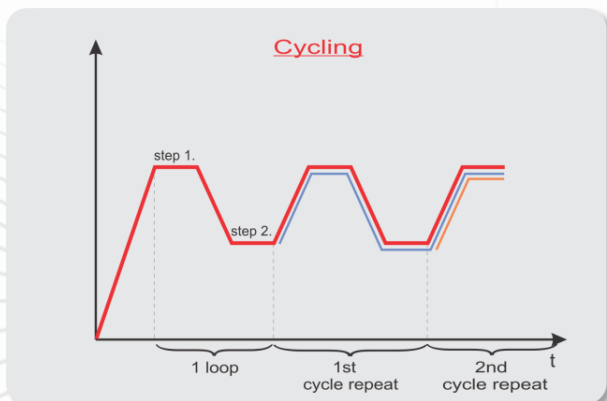
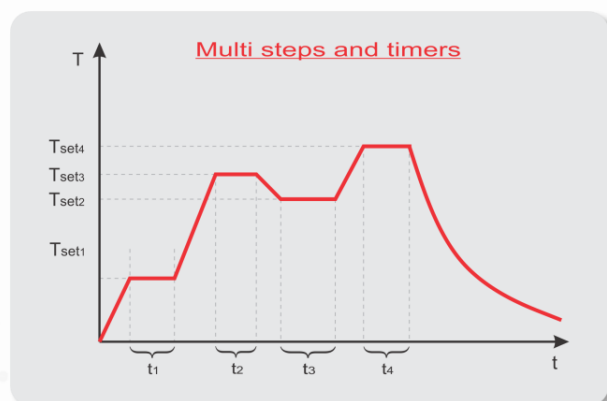
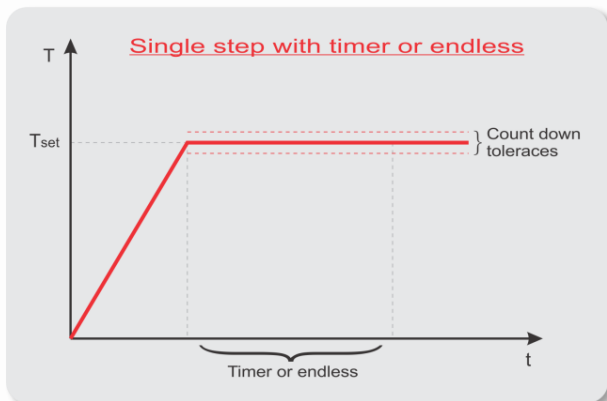
Touch display with advanced controller functions:



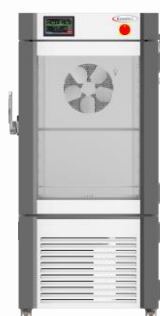


KK-Tool software for PC (free – included with every unit):




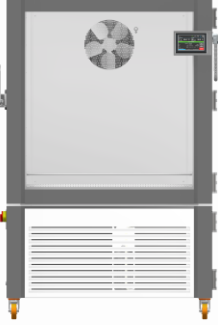
Controller functions:



	TK-68 CK	TK-190 CK	TK-340 CK
			
External dimensions (WxHxD) [mm]	650 x 1223 x 796	835 x 1661 x 951	835 x 1881 x 1126
Internal dimensions (WxHxD) [mm]	410 x 475 x 350	600 x 615 x 510	600 x 835 x 685
Volume [L]	~ 68	~ 190	~ 340
Temperature range [°C]	+ 5 ...+ 180	+ 5 ...+ 180	+ 5 ...+ 180
Heat up rate [°C/min] (according to EN 60068-3-5)	4.0	2.0	1.5
Cool down rate [°C/min] (according to EN 60068-3-5)	3.0	3.0	3.0
Temperature display res [°C]	0.1	0.1	0.1
Temperature set res. [°C]	0.1	0.1	0.1
Temperature stability [°C]	± 0.5°C @ 5°C ± 0.1°C @ 50°C ± 0.1°C @ 90°C ± 0.2°C @ 180°C	± 0.5°C @ 5°C ± 0.1°C @ 50°C ± 0.1°C @ 90°C ± 0.2°C @ 180°C	± 0.5°C @ 5°C ± 0.1°C @ 50°C ± 0.1°C @ 90°C ± 0.2°C @ 180°C
Temperature uniformity [°C]	± 1.5°C @ 5°C ± 0.5°C @ 50°C ± 1.0°C @ 90°C ± 2.5°C @ 180°C	± 1.5°C @ 5°C ± 0.5°C @ 50°C ± 1.0°C @ 90°C ± 1.5°C @ 180°C	± 1.5°C @ 5°C ± 0.5°C @ 50°C ± 1.0°C @ 90°C ± 1.5°C @ 180°C
Heat compensation [W]	~ 1500 @ + 20 °C	~ 3000 @ + 20 °C	~ 3000 @ + 20 °C
Temperature control	PID (PT-100)	PID (PT-100)	PID (PT-100)
Power supply	230V 50/60 Hz	230V 50/60 Hz	230V 50/60 Hz
Wattage [W]	3500	3600	3600
Interface	USB and Ethernet	USB and Ethernet	USB and Ethernet
Shelve	1 (max 6)	1 (max 8)	1 (max 8)
Shelve capacity [kg]	25	35	35
Max capacity [kg]	40	80	100
Observation window	As standard	As standard	As standard
Access port [mm]	Ø 50 (left side)	Ø 50 (left side)	Ø 50 (left side)
Noise [dBA] @ 1 m distance	58	60	60
Weight [kg]	190	273	319

**All performance in controlled environment ($T_{ambient} = 22 \text{ °C} \pm 3 \text{ °C}$)!*

**Accessories might affect performance!*

	TK-500 CK	TK-1000 CK
		
External dimensions (WxHxD) [mm]	1035 x 1880 x 1381	1235 x 1928 x 1579
Internal dimensions (WxHxD) [mm]	800 x 835 x 800	1000 x 1035 x 1000
Volume [L]	~ 500	~ 1000
Temperature range [°C]	+ 5 ... + 180	+ 5 ... + 180
Heat up rate [°C/min] (according to EN 60068-3-5)	3.0	3.0
Cool down rate [°C/min] (according to EN 60068-3-5)	2.0	2.0
Temperature display res. [°C]	0.1	0.1
Temperature set res. [°C]	0.1	0.1
Temperature stability [°C]	± 0.5°C @ 5°C ± 0.1°C @ 50°C ± 0.1°C @ 90°C ± 0.2°C @ 180°C	± 0.5°C @ 5°C ± 0.1°C @ 50°C ± 0.1°C @ 90°C ± 0.2°C @ 180°C
Temperature uniformity [°C]	± 1.0°C @ 5°C ± 0.5°C @ 50°C ± 1.0°C @ 90°C ± 1.5°C @ 180°C	± 1.0°C @ 5°C ± 0.5°C @ 50°C ± 1.0°C @ 90°C ± 1.5°C @ 180°C
Heat compensation [W]	~ 3000 @ + 20 °C	~ 5000 @ + 20 °C
Temperature control	PID (PT-100)	PID (PT-100)
Power supply	3x400V 50/60Hz	3x400V 50/60Hz
Wattage [W]	9000	12000
Interface	USB and Ethernet	USB and Ethernet
Shelve	1 (max 8)	1 (max 8)
Shelve capacity [kg]	50	50
Max capacity [kg]	150	200
Observation window	As standard	As standard
Access port [mm]	Ø 50 (left side)	Ø 50 (left side)
Noise [dBA] @ 1 m distance	62	62
Weight [kg]	430	599

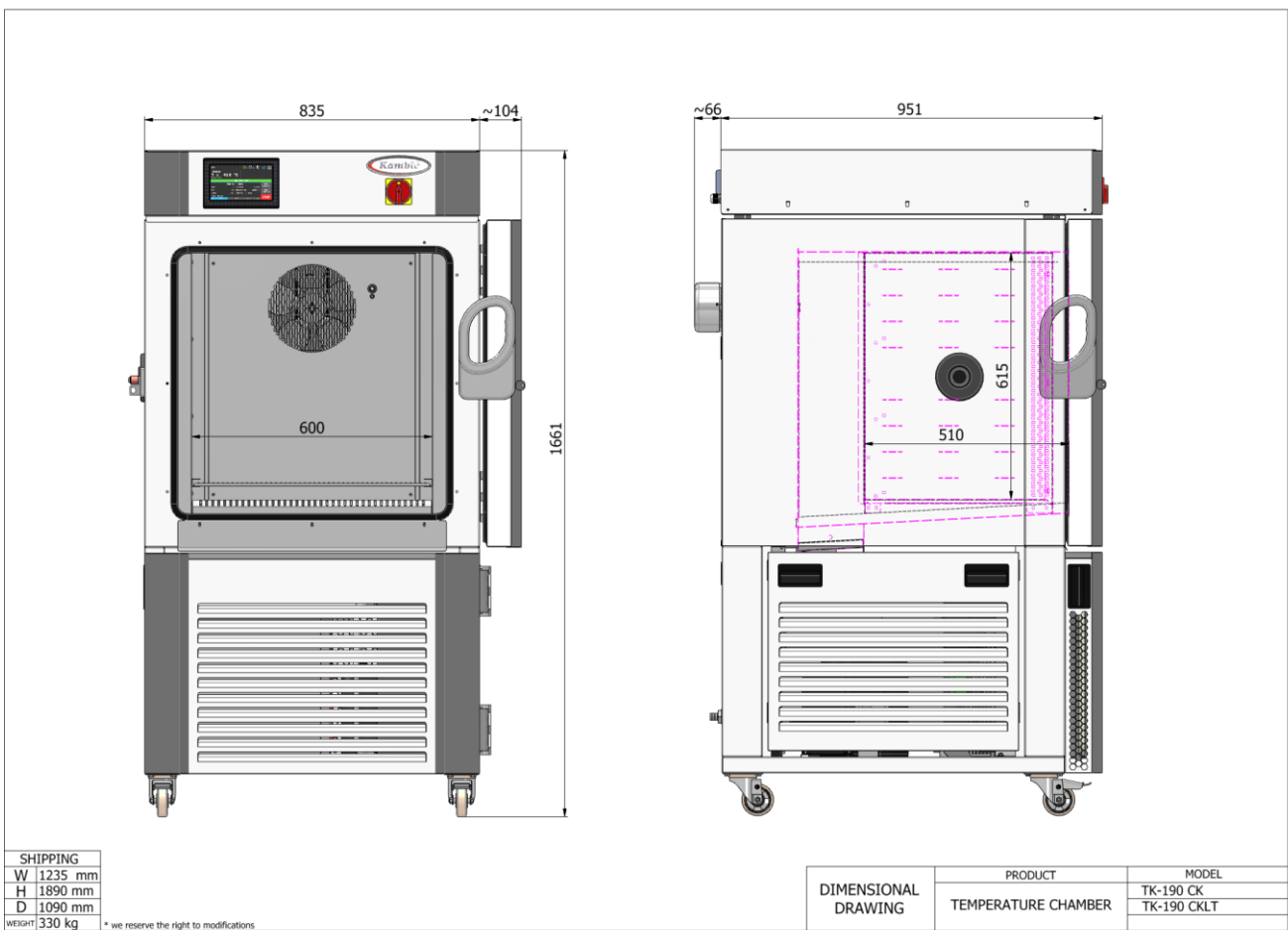
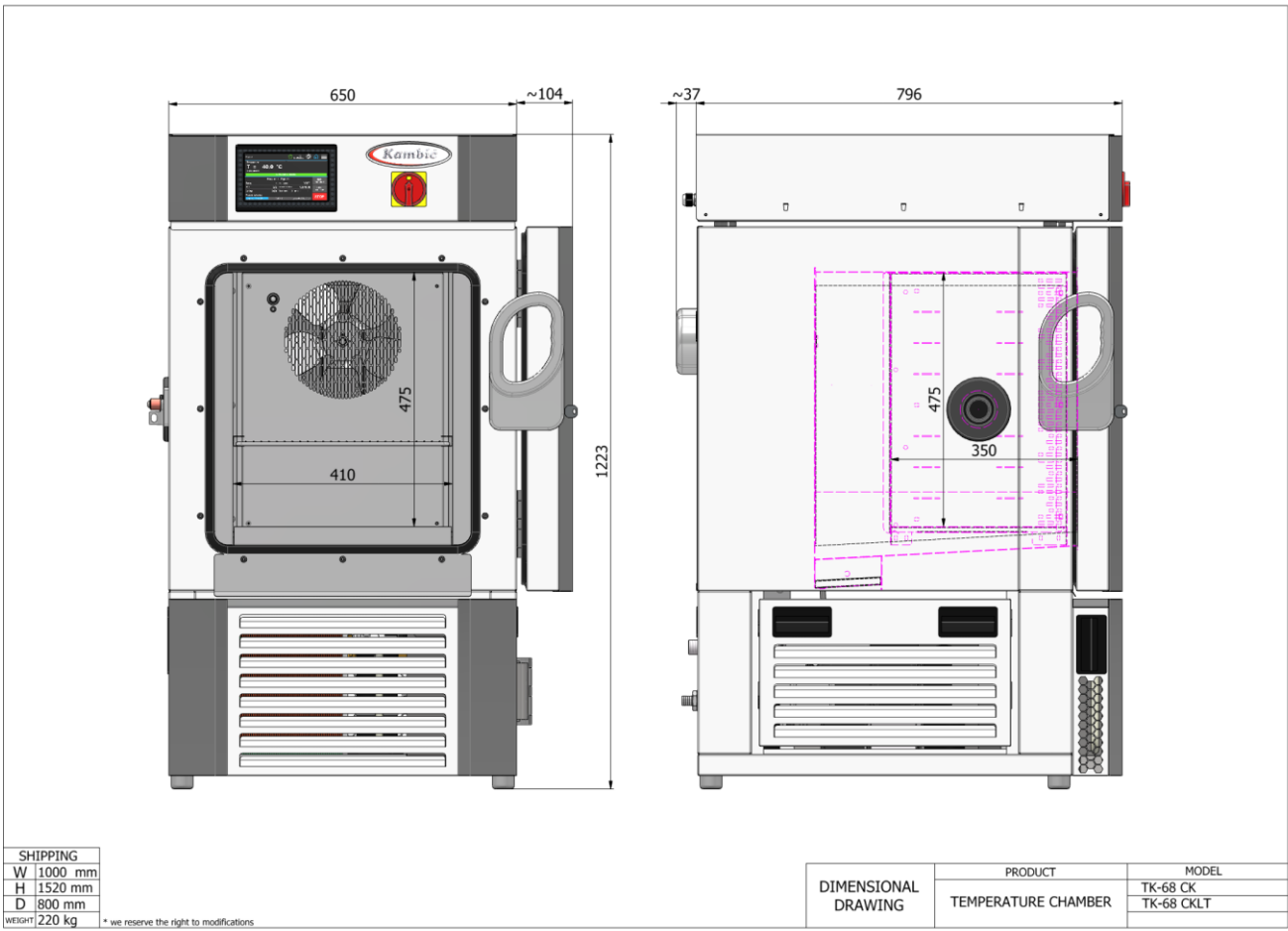
**All performance in controlled environment ($T_{ambient} = 22\text{ °C} \pm 3\text{ °C}$)!*

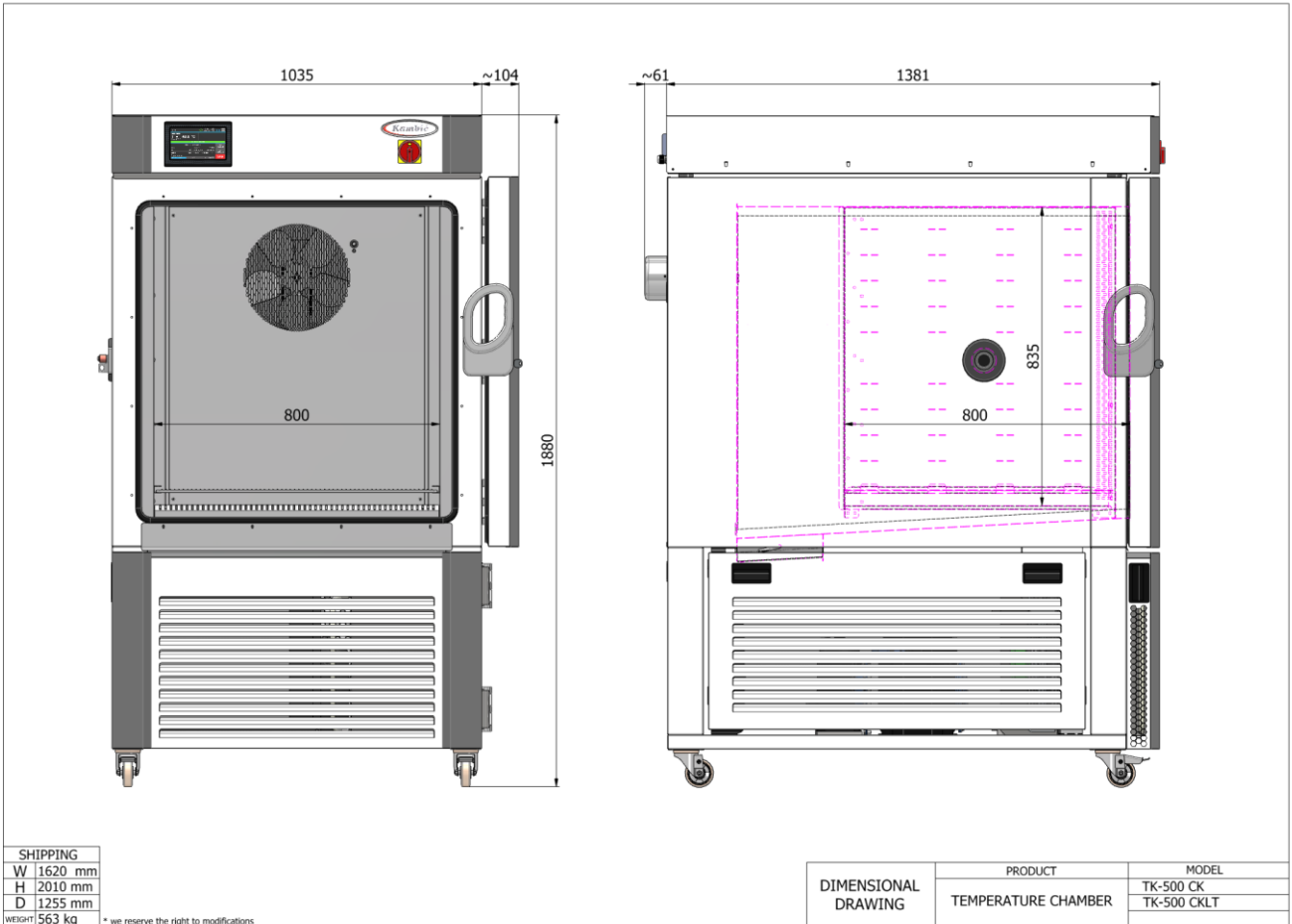
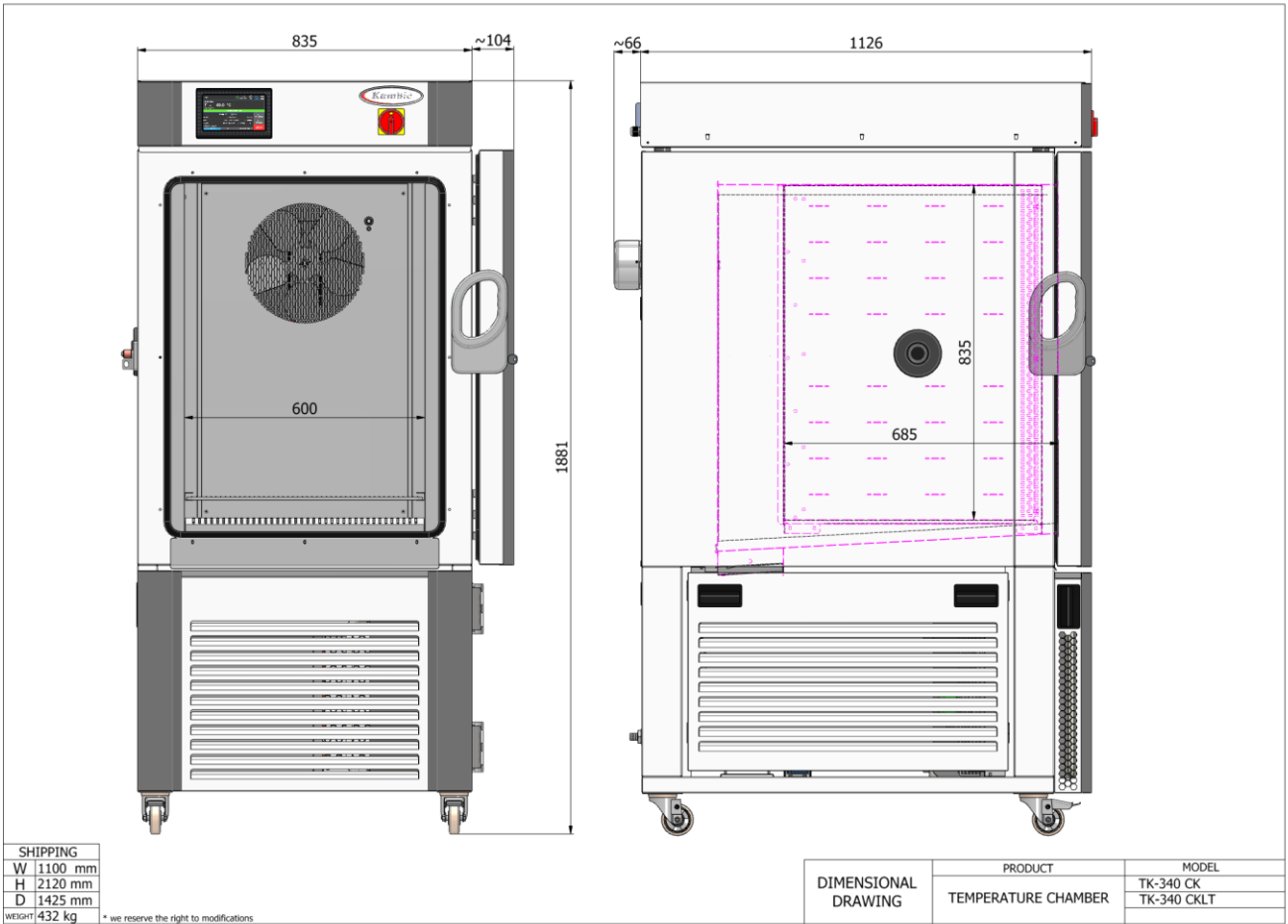
**Accessories might affect performance!*

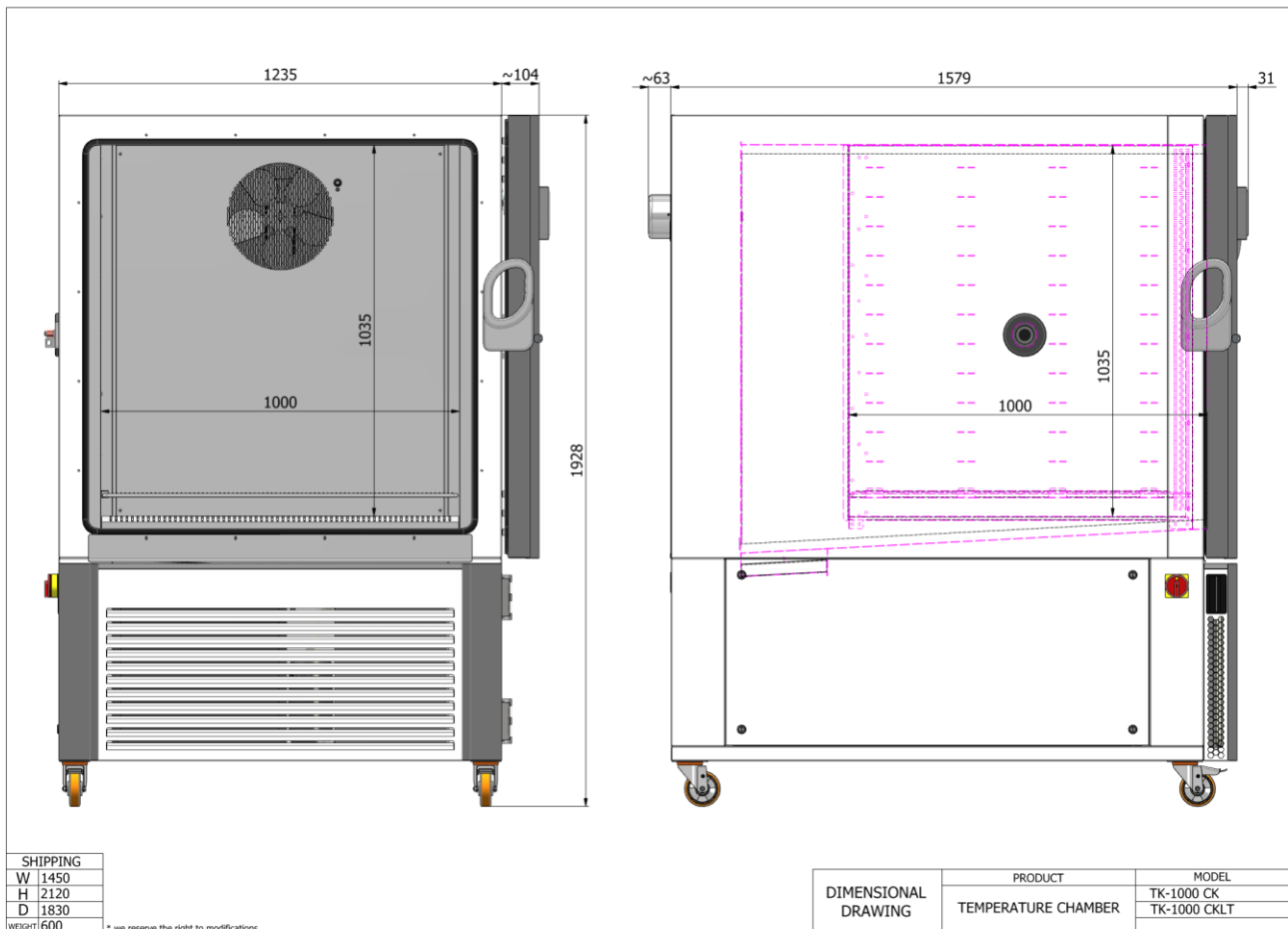
Ordering information and accessories:

Description	Part no.
Climatic chamber TK-68 CK	790
Climatic chamber TK-190 CK	2512
Climatic chamber TK-340 CK	2515
Climatic chamber TK-500 CK	1745
Climatic chamber TK-1000 CK	2518
Shelve wire TK-68 CK	792
Shelve wire TK-190 CK	953
Shelve wire TK-340 CK	956
Shelve wire TK-500 CK	958
Shelve wire TK-1000 CK	960
Shelve perforated TK-68 CK	793
Shelve perforated TK-190 CK	954
Shelve perforated TK-340 CK	957
Shelve perforated TK-500 CK	959
Shelve perforated TK-1000 CK	961
Access Port w. Plug Ø 50 mm right (specify position)	899
Access Port w. Plug Ø 90 mm right (specify position)	900
Trolley for TK-68 CKLT	794
Evaluation report 9 points, 3 temperatures - performed by Kambic	1719
Evaluation report 9 points, 3 temperatures- Accredited	2852

**Accessories might affect performance!*







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