

TEMPERATURE CHAMBER

(+ 5 °C ... + 180 °C)

TK-68 CK

TK-105 CK

TK-190 CK

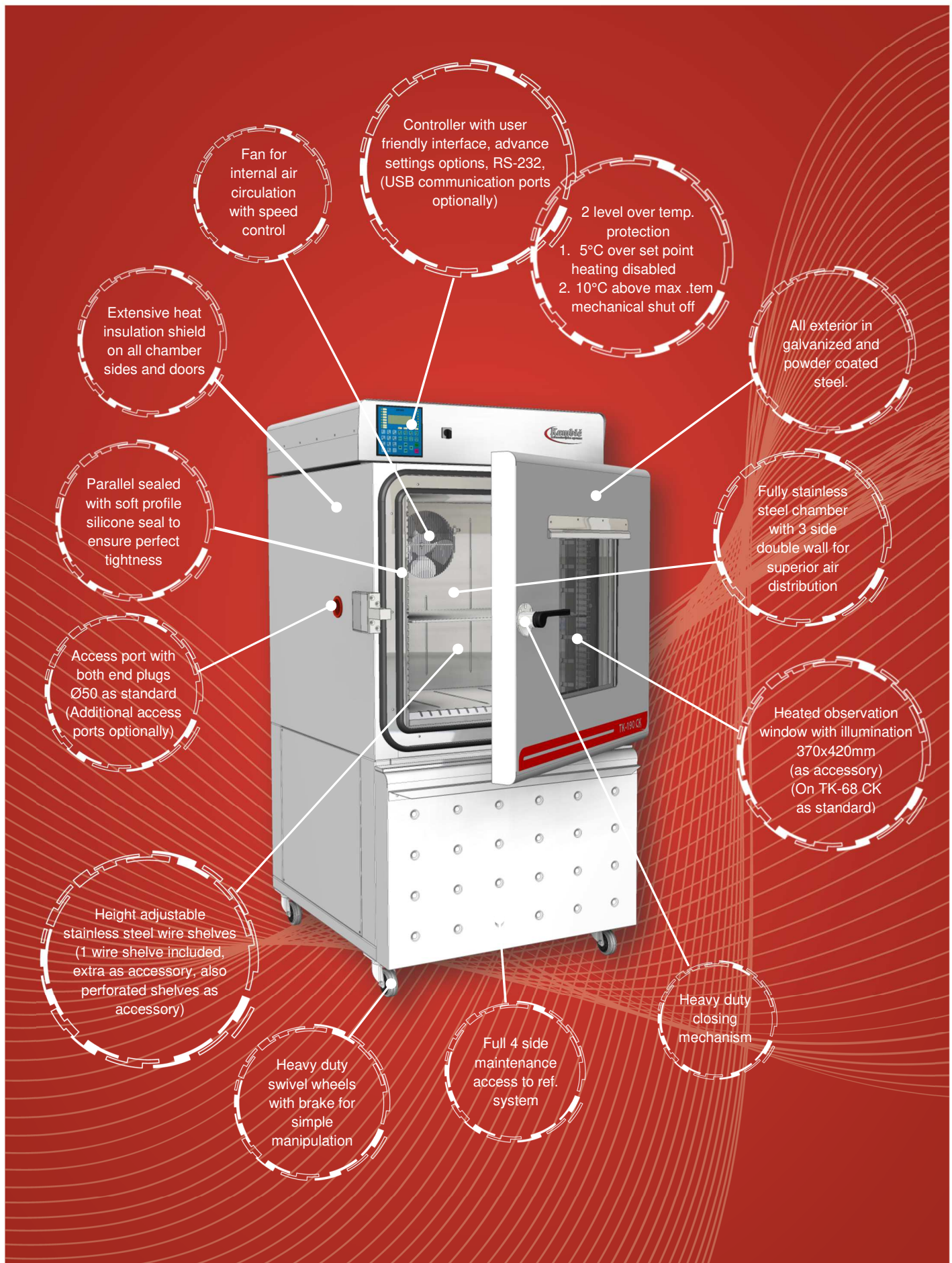
TK-340 CK

TK-500 CK

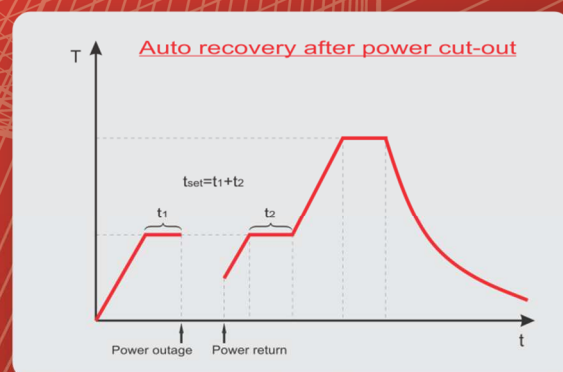
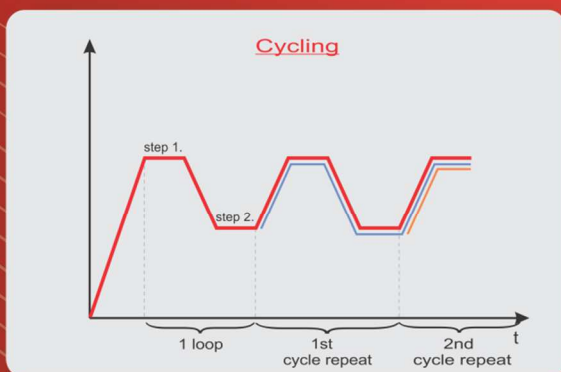
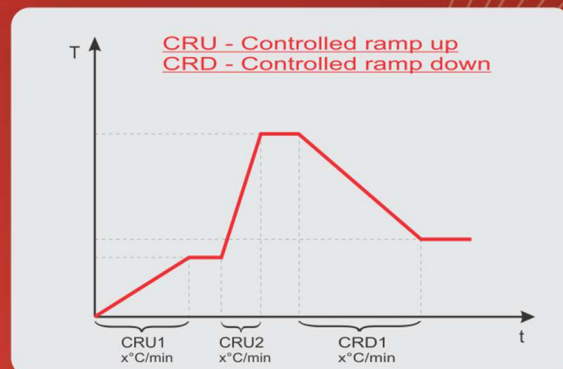
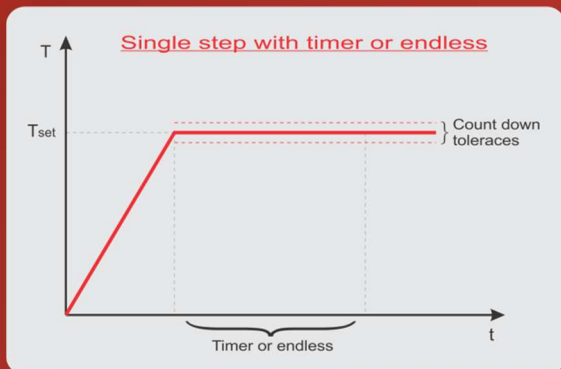
TK-1000 CK

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





Controller functions:



Technical data:

	TK-68 CK	TK-105 CK	TK-190 CK
			
External dimensions (WxHxD) in mm	650 x 1233 x 796	725 x 1560 x 845	834 x 1675 x 930
Internal dimensions (WxHxD) in mm	410 x 475 x 350	490 x 498 x 430	600 x 610 x 510
Volume (L)	~ 68	~ 105	~ 190
Temperature range (°C)	+5 ...+180	+5 ...+180	+5 ...+180
Heat up rate (°C/min) EN 60068-3-5	3,8	3,0	2,3
Cool down rate (°C/min) EN 60068-3-5	2,2	4,0	4,0
Temperature display resolution (°C)	0.1	0.1	0.1
Temperature set resolution (°C)	0.1	0.1	0.1
Temperature stability (°C)	±0,05°C @ 50°C ±0,05°C @ 90°C ±0,2°C @ 180°C	±0,08°C @ 50°C ±0,1°C @ 90°C ±0,1°C @ 180°C	±0,08°C @ 50°C ±0,1°C @ 90°C ±0,1°C @ 180°C
Temperature uniformity (°C)	±0,3°C @ 50°C ±0,4°C @ 90°C ±1,5°C @ 180°C	±0,3°C @ 50°C ±0,3°C @ 90°C ±1,5°C @ 180°C	±0,6°C @ 50°C ±0,4°C @ 90°C ±1,5°C @ 180°C
Temperature control	PID	PID	PID
Power supply	230V 50/60Hz	230V 50/60Hz	230V 50/60Hz
Wattage (W)	2500	2600	2600
Interface	RS 232 (USB as accessory)	RS 232 (USB as accessory)	RS 232 (USB as accessory)
Shelve	1 (max 6)	1 (max 6)	1 (max 8)
Shelve capacity (kg)	25	35	35
Max capacity (kg)	40	60	80
Observation window	As standard	As accessory	As accessory
Access port (mm)	Ø 50 (left side)	Ø 50 (left side)	Ø 50 (left side)
Noise (dBA) @ 1 m distance	58	58	58
Weight (kg)	195	238	278

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

*Accessories might affect performance!

Technical data:

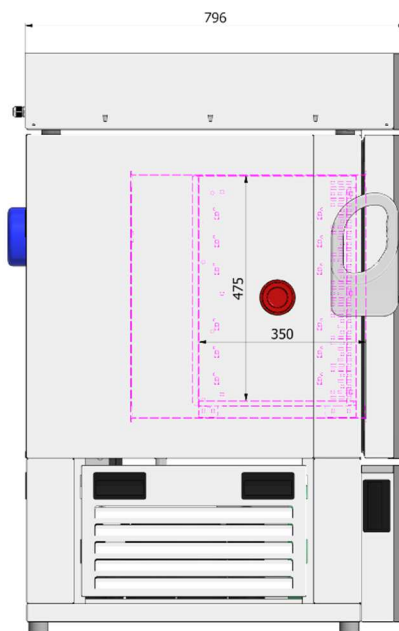
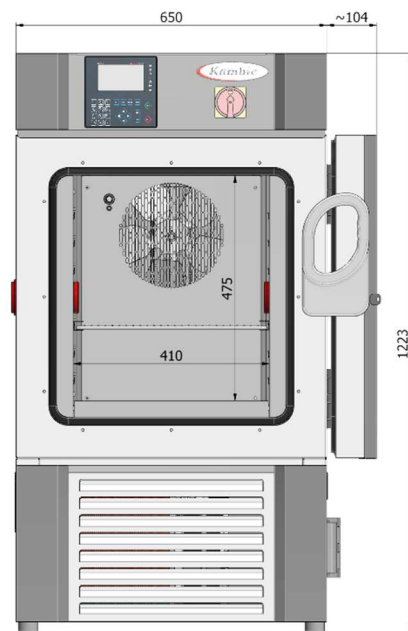
	TK-340 CK	TK-500 CK	TK-1000 CK
			
External dimensions (WxHxD) in mm	835 x 1895 x 1115	1035 x 1810 x 1270	1235 x 1930 x 1495
Internal dimensions (WxHxD) in mm	600 x 830 x 685	800 x 800 x 800	1000 x 1000 x 1000
Volume (L)	~ 340	~ 500	~ 1000
Temperature range (°C)	+5 ...+180	+5 ...+180	+5 ...+180
Heat up rate (°C/min) EN 60068-3-5	1,4	3,5	3,8
Cool down rate (°C/min) EN 60068-3-5	1,8	1,8	1,6
Temperature display resolution (°C)	0.1	0.1	0.1
Temperature set resolution (°C)	0.1	0.1	0.1
Temperature stability (°C)	±0,08°C @ 50°C ±0,1°C @ 90°C ±0,1°C @ 180°C	±0,06°C @ 50°C ±0,1°C @ 90°C ±0,1°C @ 180°C	±0,05°C @ 50°C ±0,1°C @ 90°C ±0,1°C @ 180°C
Temperature uniformity (°C)	±0,34°C @ 50°C ±0,41°C @ 90°C ±1,5°C @ 180°C	±0,3°C @ 50°C ±0,4°C @ 90°C ±1,0°C @ 180°C	±0,4°C @ 50°C ±0,5°C @ 90°C ±1,0°C @ 180°C
Temperature control	PID	PID	PID
Power supply	230V 50/60Hz	3x400V 50/60Hz	3x400V 50/60Hz
Wattage (W)	2600	8000	9000
Interface	RS 232 (USB or Ethernet as accessory)	RS 232 (USB or Ethernet as accessory)	RS 232 (USB or Ethernet as accessory)
Shelve	1 (max 8)	1 (max 8)	1 (max 8)
Shelve capacity (kg)	35	50	50
Max capacity (kg)	100	150	200
Observation window	As accessory	As accessory	As accessory
Access port (mm)	Ø 50 (left side)	Ø 50 (left side)	Ø 50 (left side)
Noise (dBA) @ 1 m distance	58	58	58
Weight (kg)	324	435	604

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

*Accessories might affect performance!

Ordering information and accessories:

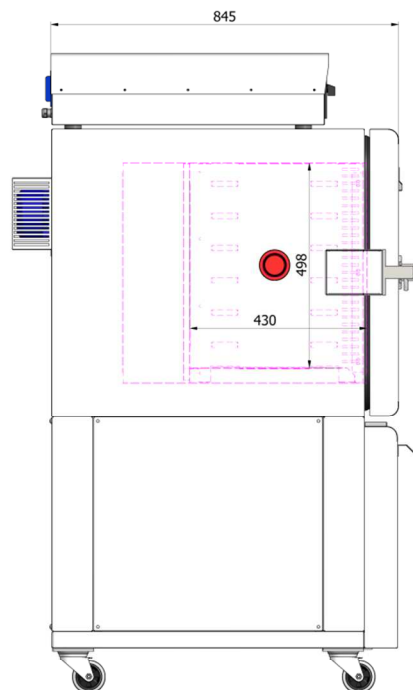
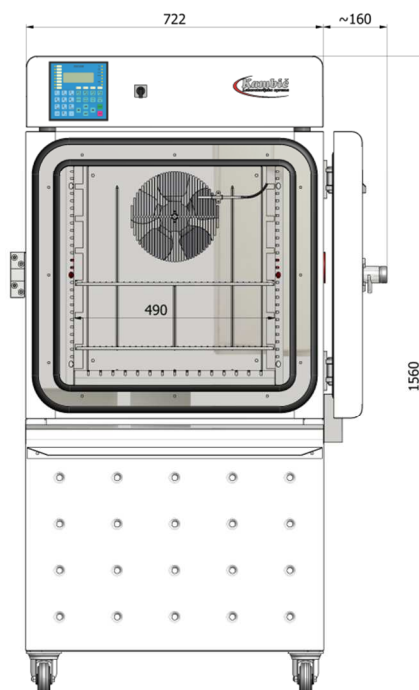
Description	Part no.
Temperature chamber TK-68 CK	790
Temperature chamber TK-105 CK	2509
Temperature chamber TK-190 CK	2512
Temperature chamber TK-340 CK	2515
Temperature chamber TK-500 CK	1745
Temperature chamber TK-1000 CK	2518
Shelve wire TK-68 CK	792
Shelve wire TK-105 CK	951
Shelve wire TK-190 CK	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-105 CK	1726
Shelve perforated TK-190 CK	1728
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)	608
Access Port w. Plug Ø 90 mm right (specify position)	1731
Observation window with illumination 370x420mm (TK-105 CK, TK-190 CK, TK-340 CK, TK-500 CK, TK-1000 CK)	252
Trolley for TK-68 CK	794
USB interface	1466
TK-Tool (Software Monitoring & History)	1663
Password protection	1718
Evaluation report 9 points, 3 temperatures - performed by Kambic	1719
Evaluation report 9 points, 3 temperatures - Accredited	1852



SHIPPING	
W	800 mm
H	1400 mm
D	980 mm
WEIGHT	230 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	TEMPERATURE CHAMBER	TK-68 CKLT TK-68 CK



SHIPPING	
W	950 mm
H	1760 mm
D	1120 mm
WEIGHT	290 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	TEMPERATURE CHAMBER	TK-105 CK TK-105 CKLT

