

Fast Climatic Chamber

5 °C/min

(- 40 °C ...+ 180 °C)

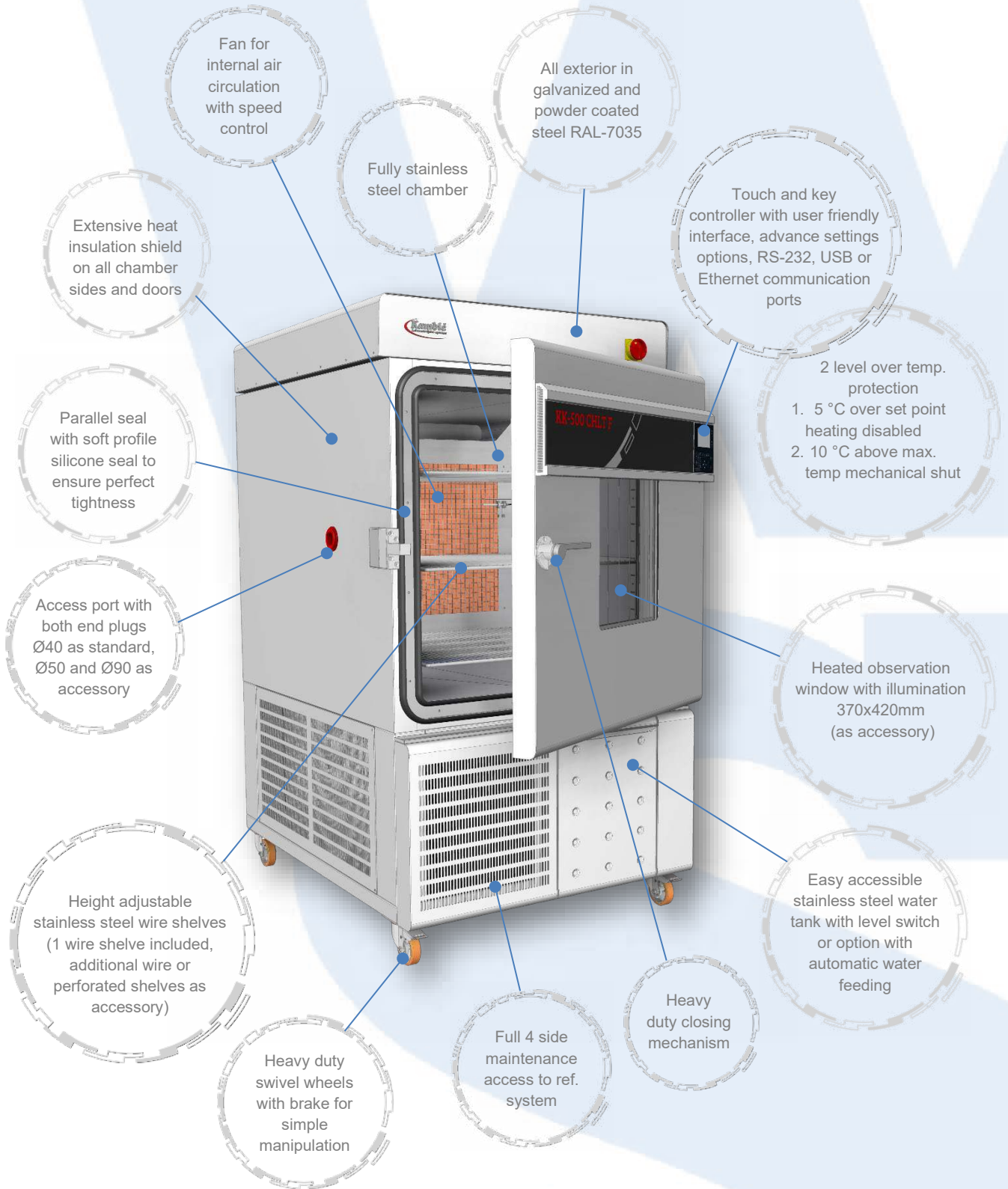
KK-340 CHLT F

KK-500 CHLT F

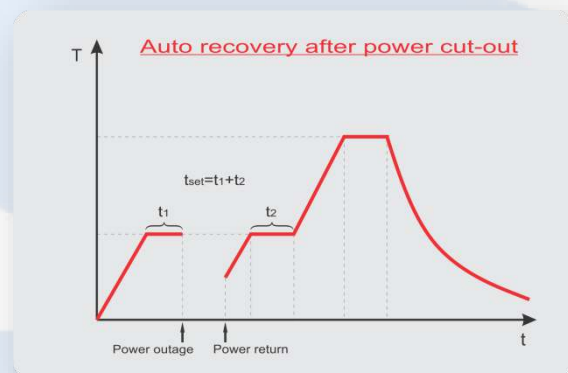
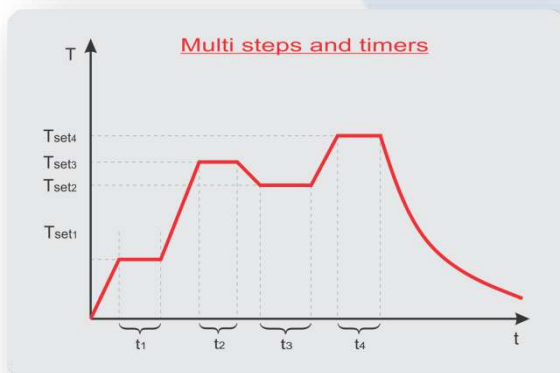
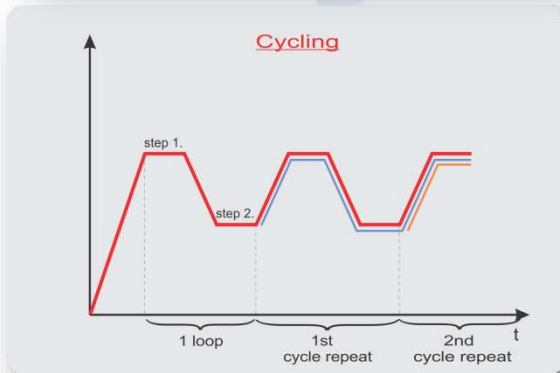
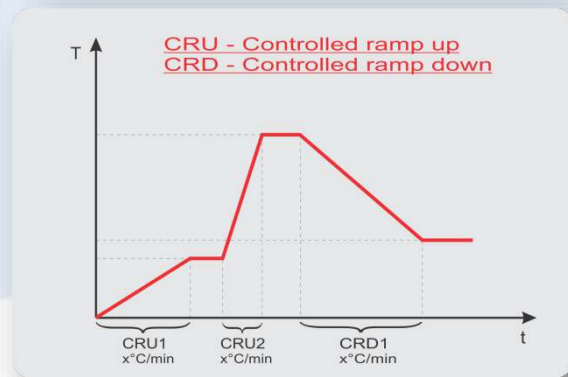
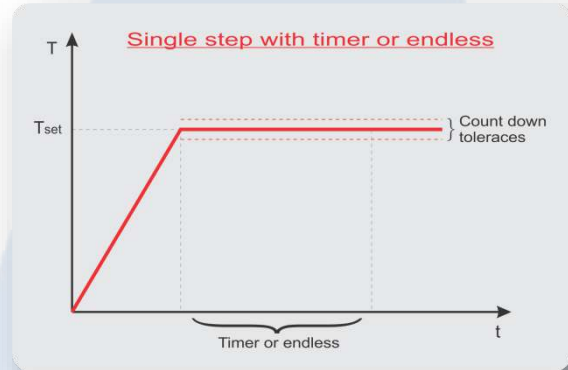
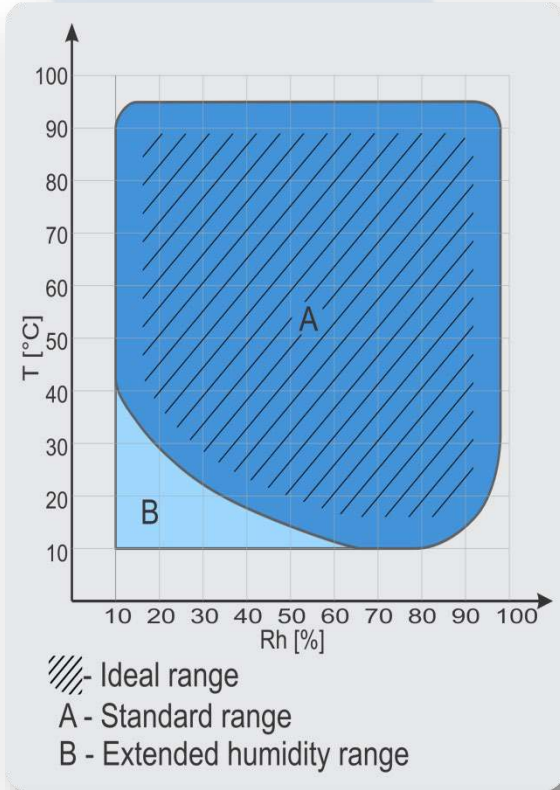
KK-1000 CHLT F

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




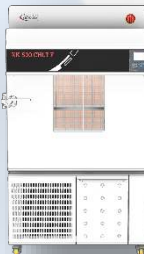


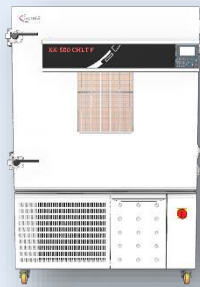
Controller functions:



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

*Accessories might affect performance!

	KK-340 CHLT F	KK-500 CHLT F
		
External dimensions (WxHxD) in mm	835 x 1895 x 1115	1035 x 1900 x 1320
Internal dimensions (WxHxD) in mm	670 x 870 x 685	870 x 870 x 800
Volume (L)	~ 340	~ 500
Temperature range (°C)	- 40 ...+ 180	- 40 ...+ 180
Heat up rate (°C/min) EN 60068-3-5	5	5
Cool down rate (°C/min) EN 60068-3-5	5	5
Temperature display resolution (°C)	0.1	0.1
Temperature set resolution (°C)	0.1	0.1
Temperature stability (°C)	± 0,7 °C @ - 40 °C ± 0,1 °C @ + 23 °C 50 % Rh ± 0,3 °C @ + 50 °C 50 % Rh ± 0,3 °C @ + 90 °C 90 % Rh ± 0,5 °C @ + 180 °C	± 0,5 °C @ - 40 °C ± 0,2 °C @ + 23 °C 50 % Rh ± 0,2 °C @ + 50 °C 50 % Rh ± 0,2 °C @ + 90 °C 90 % Rh ± 0,5 °C @ + 180 °C
Temperature uniformity (°C)	± 1,5 °C @ - 40 °C ± 0,3 °C @ + 23 °C 50 % Rh ± 1,0 °C @ + 50 °C 50 % Rh ± 0,7 °C @ + 90 °C 90 % Rh ± 3,5 °C @ + 180 °C	± 1,5 °C @ - 40 °C ± 0,5 °C @ + 23 °C 50 % Rh ± 1,0 °C @ + 50 °C 50 % Rh ± 0,5 °C @ + 90 °C 90 % Rh ± 3,0 °C @ + 180 °C
Relative humidity range (%)	10...98	10...98
Relative humidity display resolution (%)	0.1	0.1
Relative humidity set resolution (%)	1	1
Relative humidity stability (%)	± 1 % @ + 50 °C 50 % Rh ± 1 % @ + 90 °C 90 % Rh	± 1,5 % @ + 50 °C 50 % Rh ± 1 % @ + 90 °C 90 % Rh
Temperature control	PID	PID
Relative humidity control	Dew point humidity control / dry air purge for extended	Dew point humidity control / dry air purge for extended
Power supply	3x400 V 50/60 Hz	3x400 V 50/60 Hz
Wattage (W)	9500	12000
Interface	RS 232 (USB and Ethernet as accessory)	RS 232 (USB and Ethernet as accessory)
Shelve	1 (max 6)	1 (max 6)
Shelve capacity (kg)	35	50
Max capacity (kg)	100	150
Access port (mm)	Ø 40 standard, (Ø 50, Ø 90 as accessory)	Ø 40 standard, (Ø 50, Ø 90 as accessory)
Noise (dBA) @ 1 m distance	~ 66	~ 68
Weight (kg)	~ 371	~ 510

KK-1000 CHLT F	
	
External dimensions (WxHxD) in mm	1235 x 1917 x 1595
Internal dimensions (WxHxD) in mm	1070 x 1070 x 1000
Volume (L)	~ 1000
Temperature range (°C)	- 40 ... + 180
Heat up rate (°C/min) EN 60068-3-5	5
Cool down rate (°C/min) EN 60068-3-5	5
Temperature display resolution (°C)	0.1
Temperature set resolution (°C)	0.1
Temperature stability (°C)	± 0,5 °C @ - 40 °C ± 0,2 °C @ + 23 °C 50 % Rh ± 0,3 °C @ + 50 °C 50 % Rh ± 0,3 °C @ + 90 °C 90 % Rh ± 0,5 °C @ + 180 °C
Temperature uniformity (°C)	± 1,5 °C @ - 40 °C ± 0,5 °C @ + 23 °C 50 % Rh ± 1,0 °C @ + 50 °C 50 % Rh ± 0,5 °C @ + 90 °C 90 % Rh ± 3,0 °C @ + 180 °C
Relative humidity range (%)	10...98
Relative humidity display resolution (%)	0.1
Relative humidity set resolution (%)	1
Relative humidity stability (%)	± 1 % @ + 50 °C 50 % Rh ± 1 % @ + 90 °C 90 % Rh
Temperature control	PID
Relative humidity control	Dew point humidity control / dry air purge for extended
Power supply	3x400 V 50/60 Hz
Wattage (W)	15000
Interface	RS 232 (USB and Ethernet as accessory)
Shelve	1 (max 6)
Shelve capacity (kg)	50
Max capacity (kg)	200
Access port (mm)	Ø 40 standard, (Ø 50, Ø 90 as accessory)
Noise (dBA) @ 1 m distance	~ 70
Weight (kg)	~ 625

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

*Accessories might affect performance!

Ordering information and accessories:

Description	Part no.
Climatic chamber KK-340 CHLT F	2739
Climatic chamber KK-500 CHLT F	2784
Climatic chamber KK-1000 CHLT F	2857
Shelve wire KK-340 CHLT F	956
Shelve wire KK-500 CHLT F	958
Shelve wire KK-1000 CHLT F	960
Shelve perforated KK-340 CHLT F	957
Shelve perforated KK-500 CHLT F	959
Shelve perforated KK-1000 CHLT F	961
Access Port w. Plug Ø 40 mm right	2629
Access Port w. Plug Ø 50 mm right	608
Access Port w. Plug Ø 90 mm right	1731
Observation window with illumination 370x420mm	252
Automatic water feeding	1744
Extended Rh range via dry air purge	1758
USB interface	1466
Ethernet interface	1716
KK-Tool (Software Monitoring & History)	1663
Password protection	1718
Evaluation report 9 points, 3 climatic values - performed by Kambic	1719
Evaluation report 9 points, 3 climatic values - Accredited	1777

