# STABILITY TESTING

# CLIMATIC CHAMBER

## (+5°C ... +80°C)

## (10% Rh...90% Rh)

**STKK-190 DF**

**STKK-340 DF**

**STKK-500 DF**

**STKK-1000 DF**

**STKK-1700 DF**

- Perfect tool for stability testing in pharmaceutical Industry
- Following ICH guidelines
- Calibrated at all ICH points
  - 25°C±2°C / 60% Rh±5%
  - 30°C±2°C / 65% Rh±5%
  - 40°C±2°C / 75% Rh±5%
  - 25°C±2°C / 40% Rh±5%
  - 30°C±2°C / 35% Rh±5%
  - 40°C±2°C / 20% Rh±5%
- GMP Qualification package available
- Number of different volumes available

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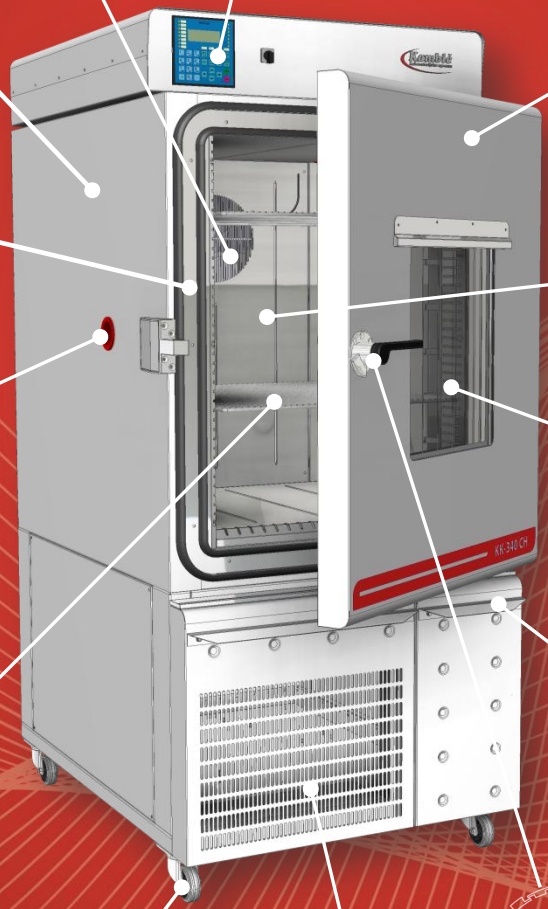

Fan for internal air circulation

Controller with user friendly interface, history graph, advance settings options RS-232 or USB communication ports

2 level over temp. protection
1. 5°C over set point heating disabled
2. 10°C above max .tem mechanical shut off

Extensive heat insulation shield on all chamber sides and doors

All exterior in galvanized and powder coated steel RAL-7035

Parallel sealed with soft profile silicone seal to ensure perfect tightness

Fully stainless steel chamber with 3 side double wall for superior air distribution above each shelve even at loaded chamber

Access port with both end plugs Ø40 as standard, Ø50 or Ø90 as accessory

Heated observation window with illumination 370x420mm (for KK-50 CH 305x300mm) (as accessory)

Height adjustable stainless steel wire shelves (1 wire shelve included, extra as accessory, also perforated shelves as accessory)

Easy accessible stainless steel water tank with level switch or option with automatic water feeding

Heavy duty swivel wheels with brake for simple manipulation

Full 4 side maintenance access to ref. system

Heavy duty closing mechanism

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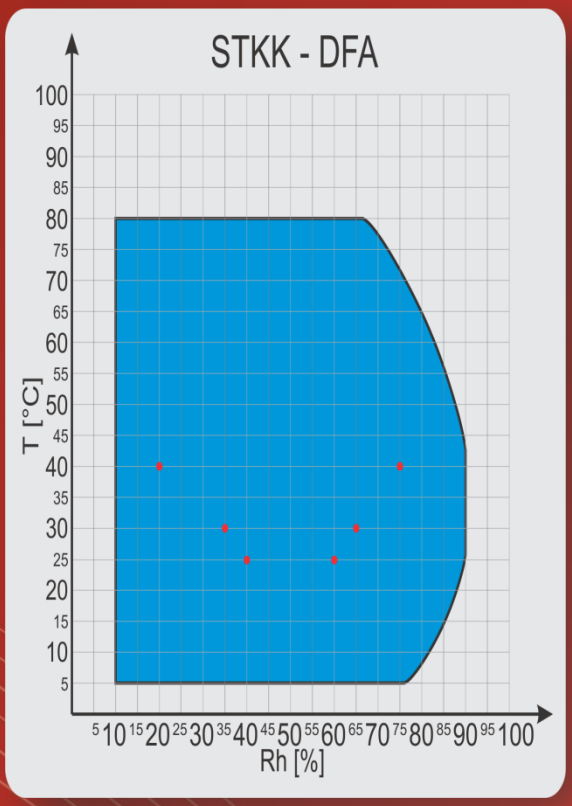
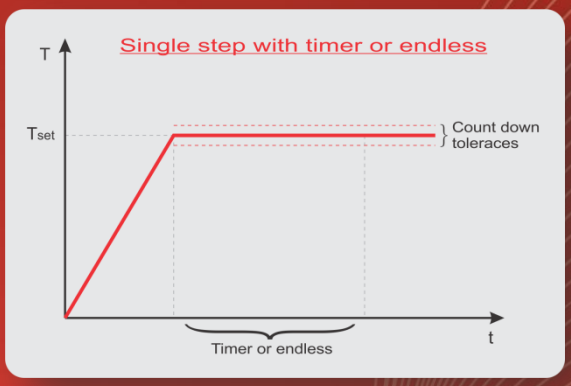
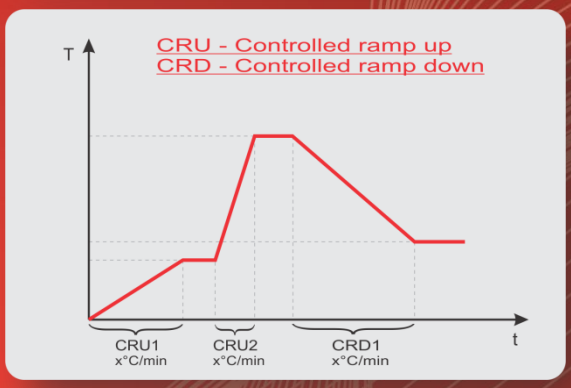
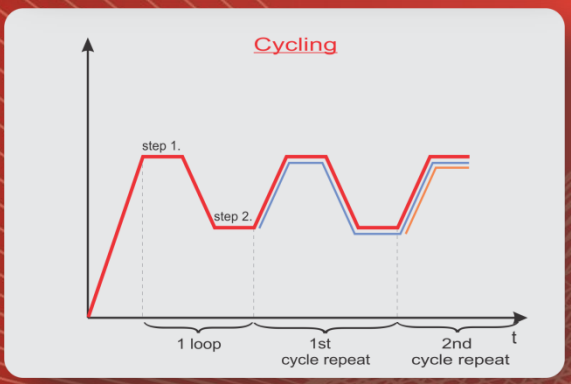
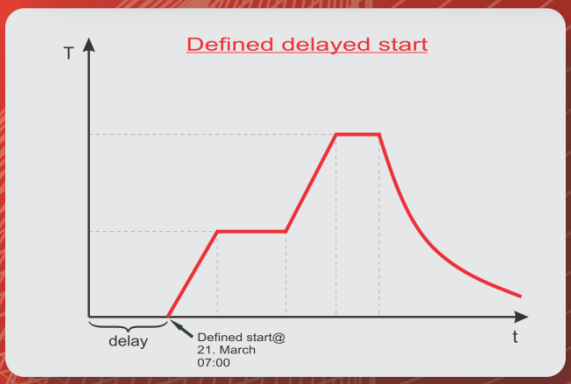
## Controller functions:

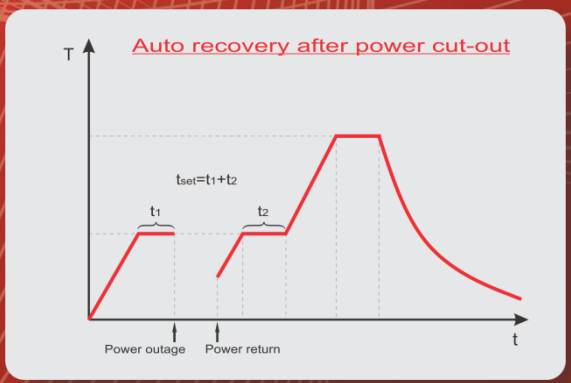


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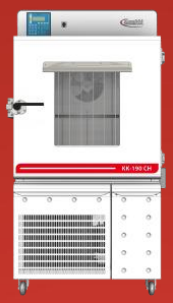
| | STKK-190 DF | STKK-340 DF | STKK-500 DF |
|---|---|---|---|
| |  | | |
| External dimensions (WxHxD) in mm | 834 x 1675 x 930 | 835 x 1895 x 1115 | 1035 x 1810 x 1270 |
| Internal dimensions (WxHxD) in mm | 600 x 610 x 510 | 600 x 830 x 685 | 800 x 800 x 800 |
| Volume (L) | ~ 190 | ~ 340 | ~ 500 |
| Temperature range (°C) | +5 …+80 | +5 …+80 | +5 …+80 |
| Temperature display resolution (°C) | 0.1 | 0.1 | 0.1 |
| Temperature set resolution (°C) | 0.1 | 0.1 | 0.1 |
| Temperature stability (°C) | Better than ±0.5°@ all ICH climatic points | Better than ±0.5°@ all ICH climatic points | Better than ±0.5°@ all ICH climatic points |
| Temperature uniformity (°C) | Better than ±1,5°C @ all ICH climatic points | Better than ±1,5°C @ all ICH climatic points | Better than ±1,5°C @ all ICH climatic points |
| Relative humidity range (%) | 10…90 (see graph, page3) | 10…90 (see graph, page3) | 10…90 (see graph, page3) |
| Relative humidity display resolution (%) | 1 | 1 | 1 |
| Relative humidity set resolution (%) | 1 | 1 | 1 |
| Relative humidity stability (%) | Better than ±3%@ all ICH climatic points | Better than ±3%@ all ICH climatic points | Better than ±3%@ all ICH climatic points |
| Temperature control | PID | PID | PID |
| Relative humidity control | Unique clean double air flow | Unique clean double air flow | Unique clean double air flow |
| Power supply | 230V 50/60Hz | | 230V 50/60Hz |
| Compressed air supply | min 4 bar | min 4 bar | min 4 bar |
| Wattage (W) | 2600 | 2600 | 3000 |
| Interface | RS 232 (USB as accessory) | RS 232 (USB as accessory) | RS 232 (USB as accessory) |
| Shelve | 1 (max 8) | 1 (max 8) | 1 (max 8) |
| Shelve capacity (kg) | 35 (surface distribuded load) | 50 (surface distribuded load) | 50 (surface distribuded load) |
| Max capacity (kg) | 80 | 150 | 200 |
| Access port (mm) | Ø 40 standard, (Ø 50, Ø 90 as accessory) | Ø 40 standard, (Ø 50, Ø 90 as accessory) | Ø 40 standard, (Ø 50, Ø 90 as accessory) |
| Noise (dBA) @ 1 m distance | ~55 | ~55 | ~55 |
| Weight (kg) | 210 | 290 | 380 |

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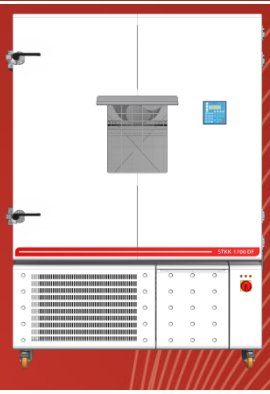
| | STKK-1000 DF | STKK-1700 DF |
|---|---|---|
| | |  |
| External dimensions (WxHxD) in mm | 1235 x 1930 x 1495 | 1535 x 2220 x 1470 |
| Internal dimensions (WxHxD) in mm | 1000 x 1000 x 1000 | 1300 x 1335 x 1000 |
| Volume (L) | ~1000 | ~1700 |
| Temperature range (°C) | +5 …+80 | +5 …+80 |
| Temperature display resolution (°C) | 0.1 | 0.1 |
| Temperature set resolution (°C) | 0.1 | 0.1 |
| Temperature stability (°C) | Better than ±0.5°@ all ICH climatic points | Better than ±0.5°@ all ICH climatic points |
| Temperature uniformity (°C) | Better than ±1,5°C @ all ICH climatic points | Better than ±1,5°C @ all ICH climatic points |
| Relative humidity range (%) | 10…90 (see graph, page3) | 10…90 (see graph, page3) |
| Relative humidity display resolution (%) | 1 | 1 |
| Relative humidity set resolution (%) | 1 | 1 |
| Relative humidity stability (%) | Better than ±3%@ all ICH climatic points | Better than ±3%@ all ICH climatic points |
| Temperature control | PID | PID |
| Relative humidity control | Unique clean double air flow | Unique clean double air flow |
| Power supply | 230V 50/60Hz | 230V 50/60Hz |
| Compressed air supply | min 4 bar | min 4 bar |
| Wattage (W) | 3200 | 3200 |
| Interface | RS 232 (USB as accessory) | RS 232 (USB as accessory) |
| Shelve | 1 (max 8) | 1 (max 8) |
| Shelve capacity (kg) | 50 (surface distribuded load) | 50 (surface distribuded load) |
| Max capacity (kg) | 250 | 250 |
| 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 | ~55 | ~55 |
| Weight (kg) | 420 | 490 |

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## Ordering information and accessories:

| Description | Part no. |
|---|---|
| Stability testing Climatic chamber STKK-190 DF | 1770 |
| Stability testing Climatic chamber STKK-340 DF | 1771 |
| Stability testing Climatic chamber STKK-500 DF | 1772 |
| Stability testing Climatic chamber STKK-1000 DF | 1773 |
| Stability testing Climatic chamber STKK-1700 DF | 1774 |
| Shelve wire STKK-190 DF | 953 |
| Shelve wire STKK-340 DF | 956 |
| Shelve wire STKK-500 DF | 958 |
| Shelve wire STKK-1000 DF | 960 |
| Shelve wire STKK-1700 DF | 1767 |
| Shelve perforated STKK-190 DF | 954 |
| Shelve perforated STKK-340 DF | 957 |
| Shelve perforated STKK-500 DF | 959 |
| Shelve perforated STKK-1000 DF | 961 |
| Shelve perforated STKK-1700 DF | 1768 |
| 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 |
| USB interface | 1466 |
| RedEye KK Tool (Software Monitoring & History) | 1663 |
| Password protection | 1718 |
| Evaluation report | 1719 |
| GMP Qualification package (DQ,FAT,IQ,OQ) | 1769 |
| GMP Qualification package (DQ,FAT,IQ,OQ) | 1769 |
| A4 Printer (continuus paper) | 85 |
| Digital printing on SD card<br>(12 months memory data capacity) | 1172 |

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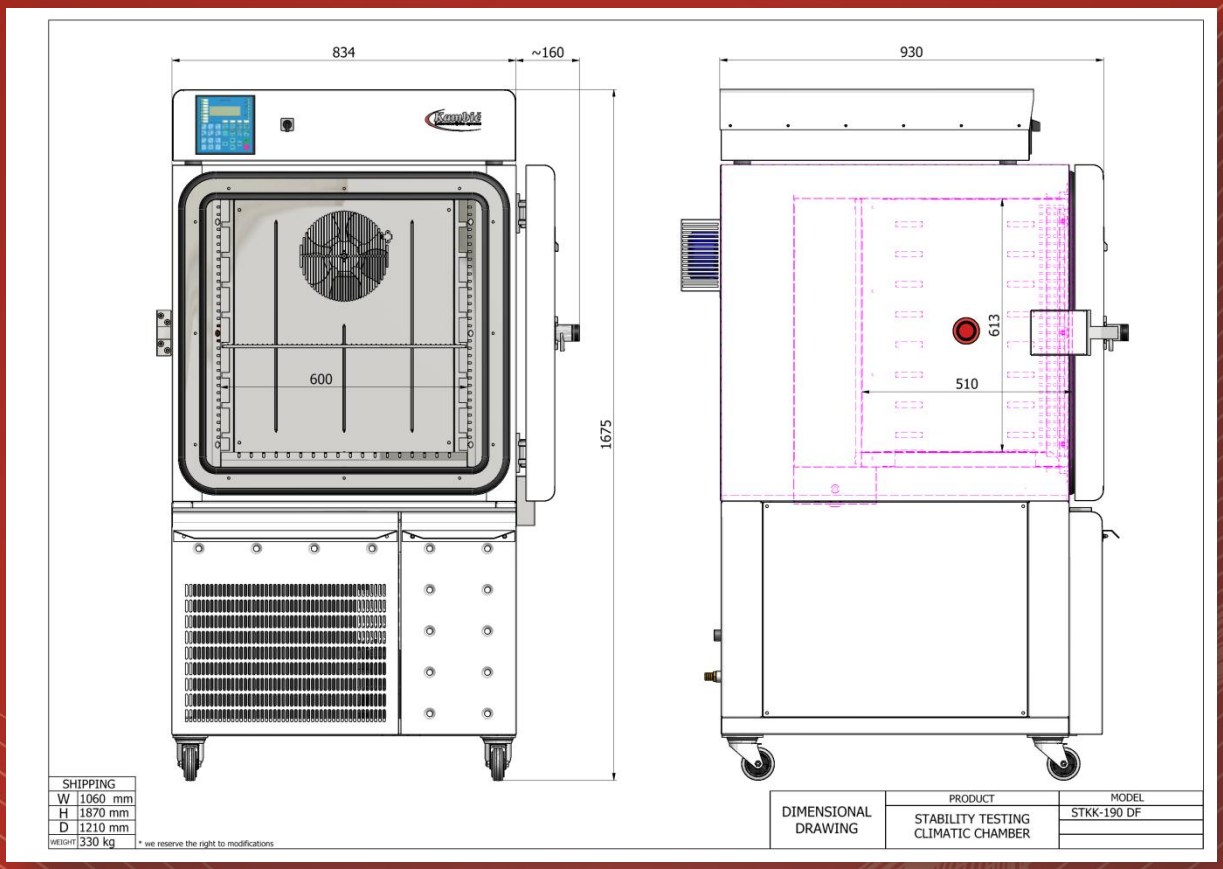
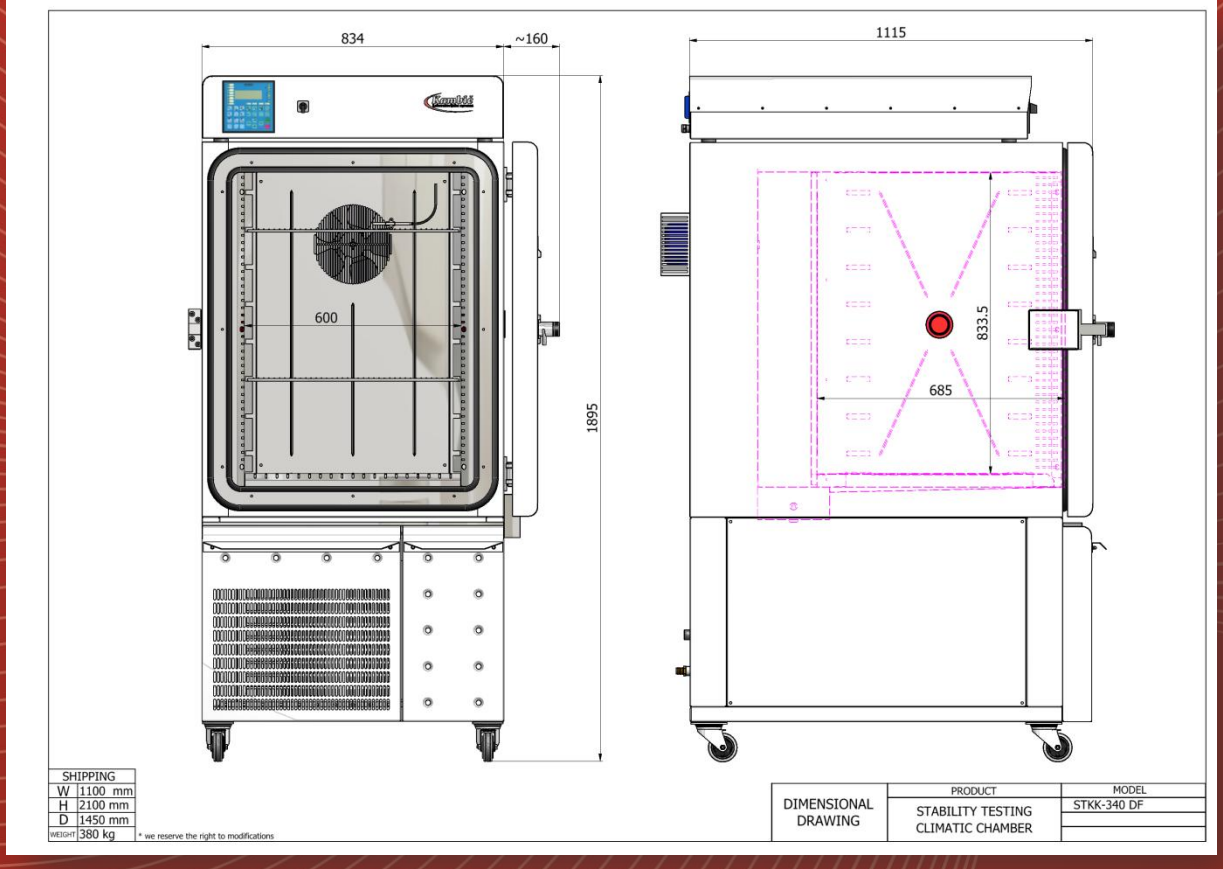



| SHIPPING | |
|---|---|
| W | 1060 mm |
| H | 1870 mm |
| D | 1210 mm |
| WEIGHT | 330 kg |

* we reserve the right to modifications

| DIMENSIONAL DRAWING | PRODUCT | MODEL |
|---|---|---|
| | STABILITY TESTING CLIMATIC CHAMBER | STKK-190 DF |




| SHIPPING | |
|---|---|
| W | 1100 mm |
| H | 2100 mm |
| D | 1450 mm |
| WEIGHT | 380 kg |

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| DIMENSIONAL DRAWING | PRODUCT | MODEL |
|---|---|---|
| | STABILITY TESTING CLIMATIC CHAMBER | STKK-340 DF |

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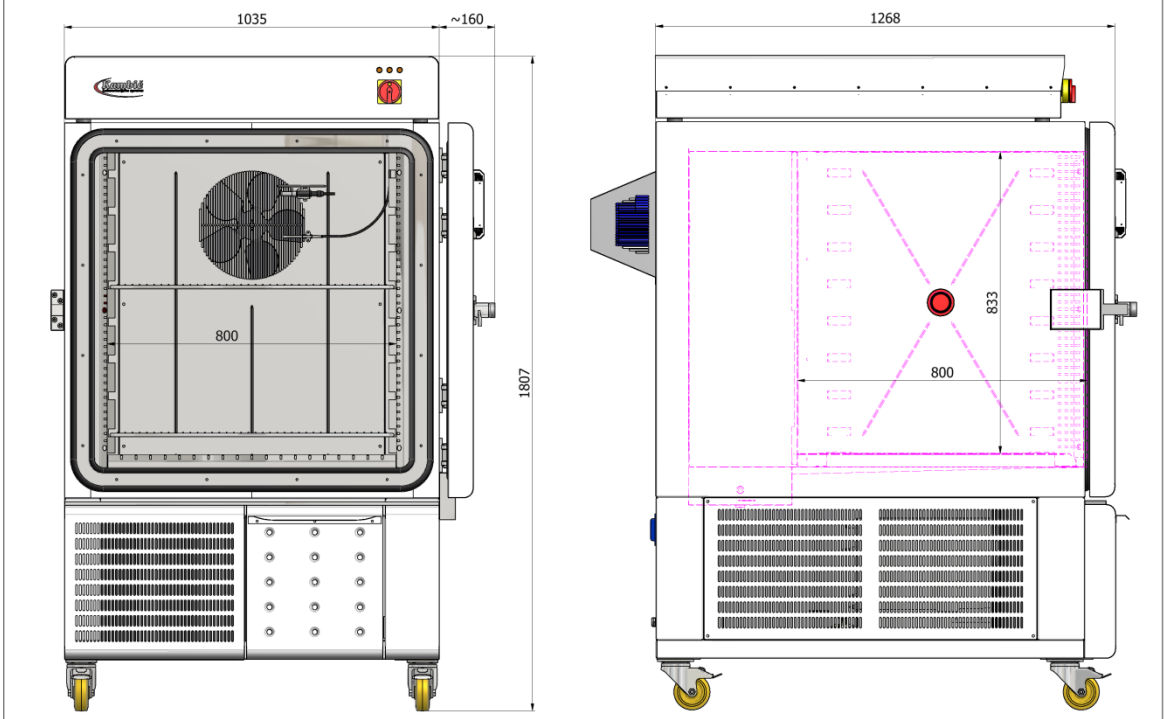
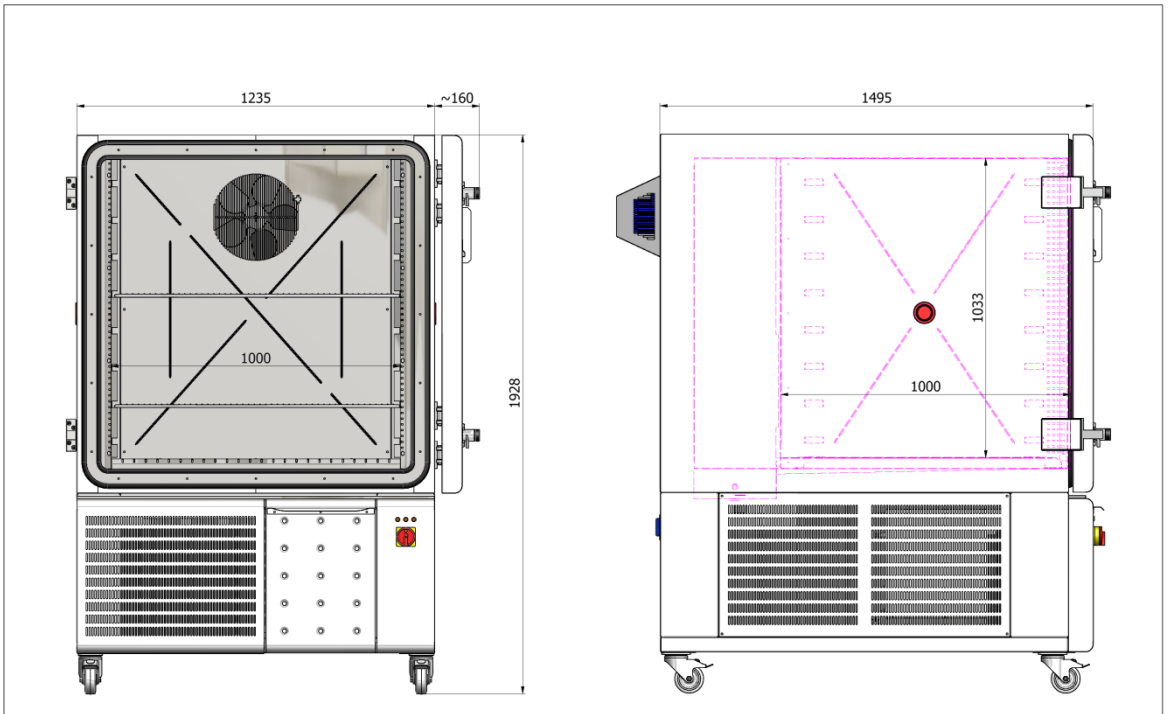



| SHIPPING | |
|---|---|
| W | 1270 mm |
| H | 2060 mm |
| D | 1630 mm |
| WEIGHT | 620 kg |

* we reserve the right to modifications

| DIMENSIONAL DRAWING | PRODUCT | MODEL |
|---|---|---|
| | STABILITY TESTING CLIMATIC CHAMBER | STKK-500 DF |




| SHIPPING | |
|---|---|
| W | 1450 mm |
| H | 2135 mm |
| D | 1815 mm |
| WEIGHT | 695 kg |

* we reserve the right to modifications

| DIMENSIONAL DRAWING | PRODUCT | MODEL |
|---|---|---|
| | STABILITY TESTING CLIMATIC CHAMBER | STKK-1000 DF |

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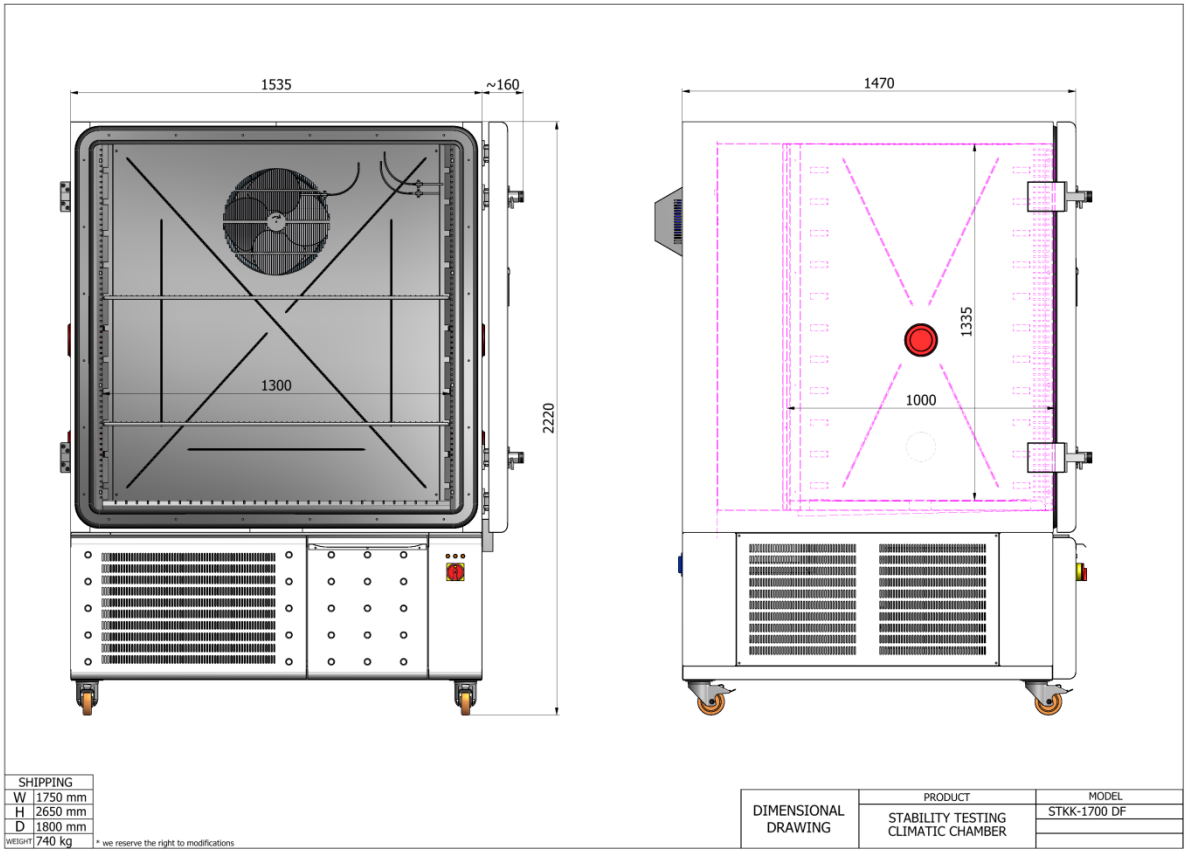


| SHIPPING | |
|---|---|
| W | 1750 mm |
| H | 2650 mm |
| D | 1800 mm |
| WEIGHT | 740 kg |

* we reserve the right to modifications

| DIMENSIONAL DRAWING | PRODUCT | MODEL |
|---|---|---|
| | STABILITY TESTING CLIMATIC CHAMBER | STKK-1700 DF |

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