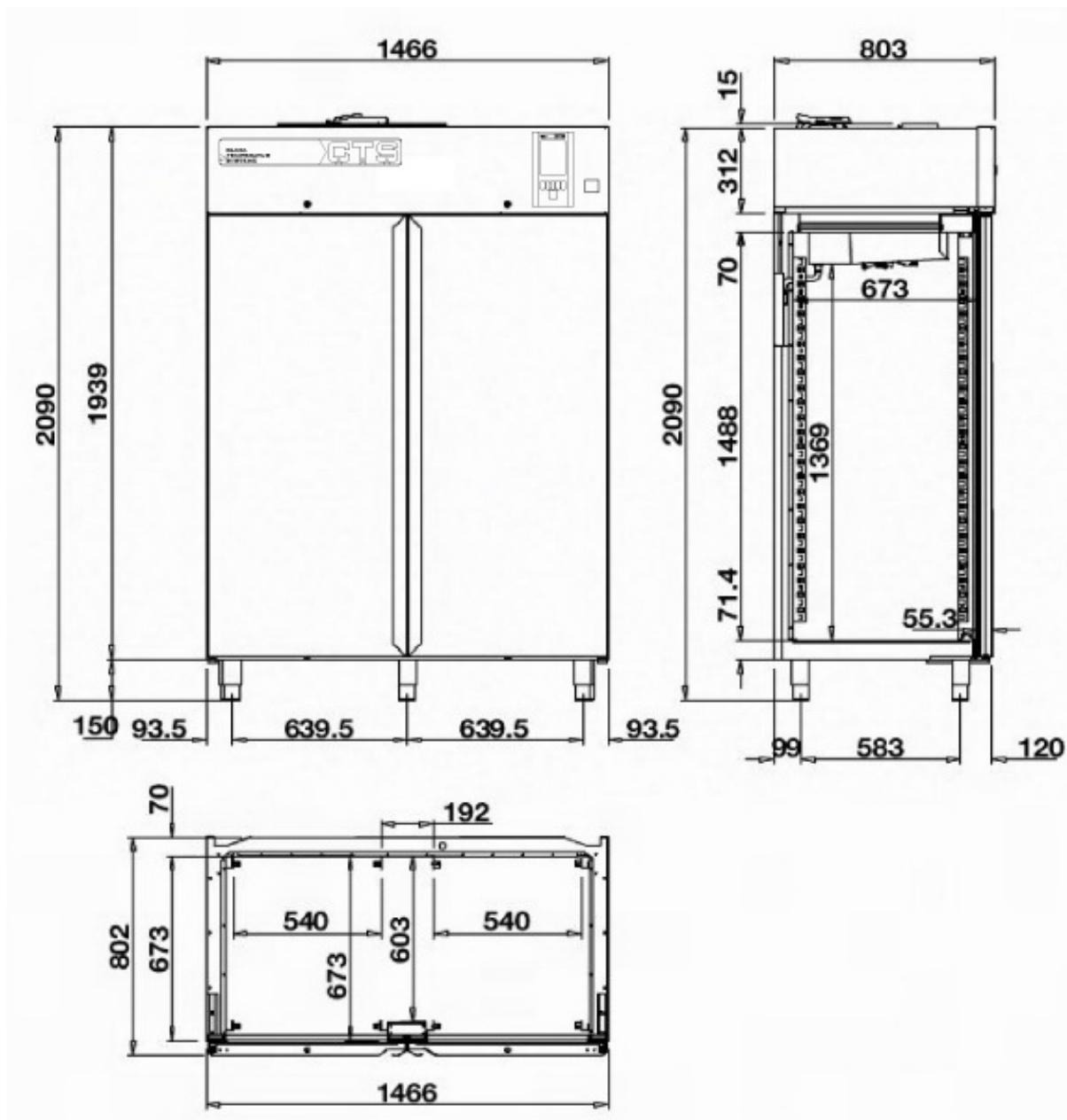




CTS - Climatic Test Cabinet Type CP+10/1200



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Your benefit:

- High performance, reliable and durable
- Own CTS-Controller and CTS-Software system
- User-friendly and convenient handling, thanks to universal operating panel for all chamber sizes.
- CE and EMC standards are fulfilled
- Environmental friendly refrigerants
- Ergonomical design



Included in basic equipment

- Operating panel with colour display LCD.
- Touch panel with easy menu-guided operation
- Error display in plain text
- Defined keys for elementary functions of the installation such as start/stop, fixed-value / automatic operation, interruption, light, etc.
- Maintenance-free capacitive humidity measuring system
- Potential-free contact for malfunction signal
- Interface RS 232
- Adjustable software-temperature-limiter min./max.
- 2 x 3 Shelf, stainless steel
- 1 Entry port Ø 50 mm on the right side
- Door lockable
- Test chamber led light switched via operation panel
- Low-noise refrigerating unit
- International standards are fulfilled
- Operating instruction

As an option the cabinets can be cross-linked via RS-485 interfaces. This will require installation of cabling by CTS. This method is necessary if long distance cabling cannot be avoided and our optional cross-linkage via ETHERNET is not utilised.

Malfunction signal

supplied to potential-free contact
max. load 30 V - DC, 2A

Temperature tests:

Temperature range	+10°C to +50°C
Temperature fluctuation	±0.5 K temporary

Climatic tests:

Temperature range	10°C to +50°C
Humidity range	10 % to 90 % rel. humidity
At dew point range	+7°C to +45°C
Temperature fluctuation	±0.5 K temporary
Humidity fluctuation under stabilized conditions	±1,0 to ±3,0 % rel. humidity, temporally

Dimensions:

Test volume	1200 litres (CP 10/1200)
Dimensions of test chamber	see layout
Overall dimensions	see layout

Operational characteristics:

Electric supply	230 V +6/-10 %, 1/N, 60 Hz
Nominal output	1,6 kW
System of protection	IP 20
Moistening water	demineralized pH value 6 - 7 conductivity max. 10 microsiemens/cm 3-6 bar, R 3/4"
Drain for condensate	unpressurized
Acoustic pressure level (acc. DIN EN ISO 3744 ,measured in a distance of 1m from the front)	50 dB(A)
Weight	CP 10/1200 appr. 250 kg

Technical Equipment:

Refrigerating unit	-air-cooled, low noise level, fully hermetic, continuous performance adjustment via electronic monitoring and control system -anti-pollution refrigerating agent R404A 
Heating	stainless steel heating unit with safety temperature limiter
Climatic system	ultrasonic humidification
Casing	stainless steel grade no. 1.4301
Doors	two wide-opening doors, left-side and right-side door hinge, one-hand operation, lockable.
Test space	stainless steel grade no. 1.4301
Air circulation	central axial suction fan.
Shelf	6 stainless steel shelves at CP 10/1200, bearing area 615 x 565 mm max. load per shelf 20 kg total load under max. shelf occupancy 2x100 kg at CP 10/1200

The technical data refer to an ambient temperature of +25 °C, nominal voltage 230V, without specimen nor radiation nor accessories.

Note:

The installation **cannot** be used for tests on explosive, corrosive, toxic or easy inflammable materials or with specimens generating or releasing such materials. This applies particularly to all tests with liquids that boil easily, fuel, hydraulic fluids, lubricants, etc.

In this case, please pay attention to the information of the material safety data sheet.

The operator has to check the material compatibility of the materials fitted in the testing room (stainless steel 1.4301, non-ferrous metals, aluminium, silicone) to the materials/gases which might be discharged by the test material. This can form acids or bases when exposed to humidity. The leaking materials/gases can lead to extensive damage of the equipment.

CTS Nederland will not take responsibility (no warranty) for damages resulting of emission from toxic or aggressive substances from test specimen. The technical design of the unit meets on the basic of its conception and of its construction the relevant basic security and health requirements by the EC directive:

EC Directives and National Legislation

- EC Directive for machines 2006/42/EC
- EC Directive on Low Voltage 2006/95/EC
- EC Directive on EMC 2004/108/EC
- EC Directive for pressure devices 97/23 EC

Mechanical Norms

- DIN EN ISO 13857 (issue 06/2008)
- DIN EN ISO 14121-1 (issue 12/2007)
- DIN EN 378-1,2,3,4 (issue 06/2008)
- DIN EN 563 (issue 01/2000)
- DIN EN ISO 12100-1,2 (issue 04/2004)
- AD2000 (issue 10/2000)

Electrical Norms

- DIN EN ISO 13849-1,2 (issue 12/2008)
- DIN EN 61000-6-3 (issue 09/2007)
- DIN EN 61000-6-2 (issue 03/2006)
- DIN EN 61010-1 (issue 08/2002)
- DIN 12880 (issue 05/2007)
- DIN VDE 0100-410 (issue 01/1997)
- BGV A3