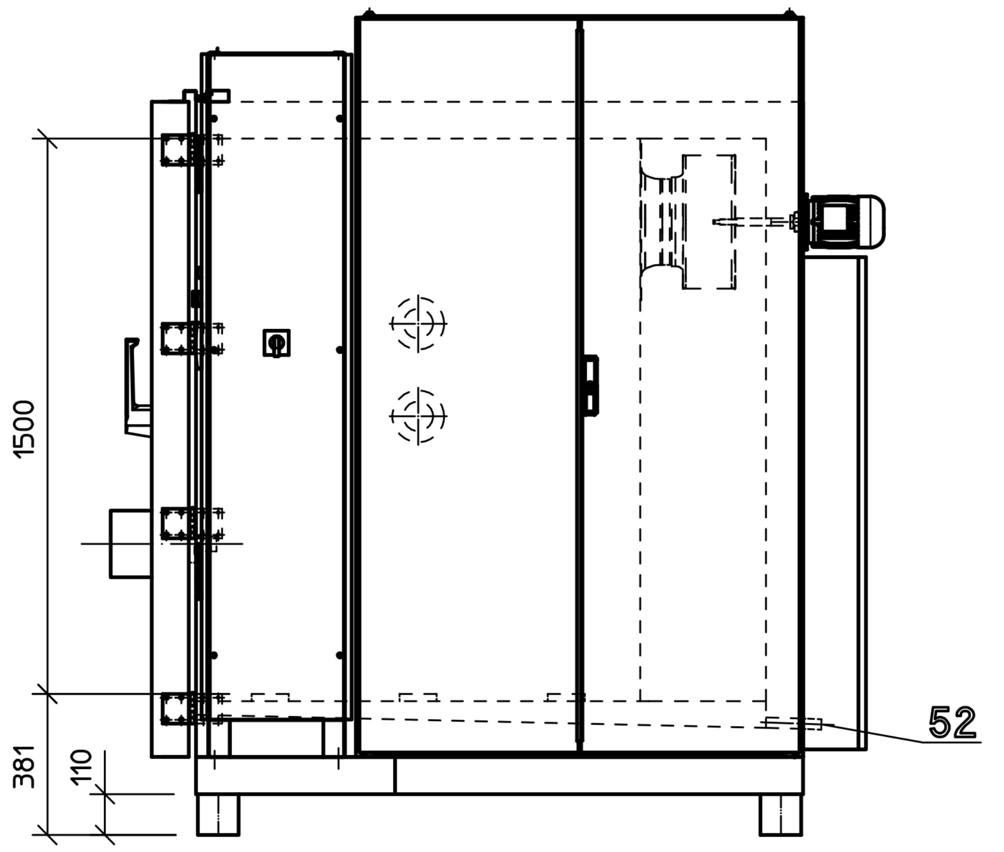

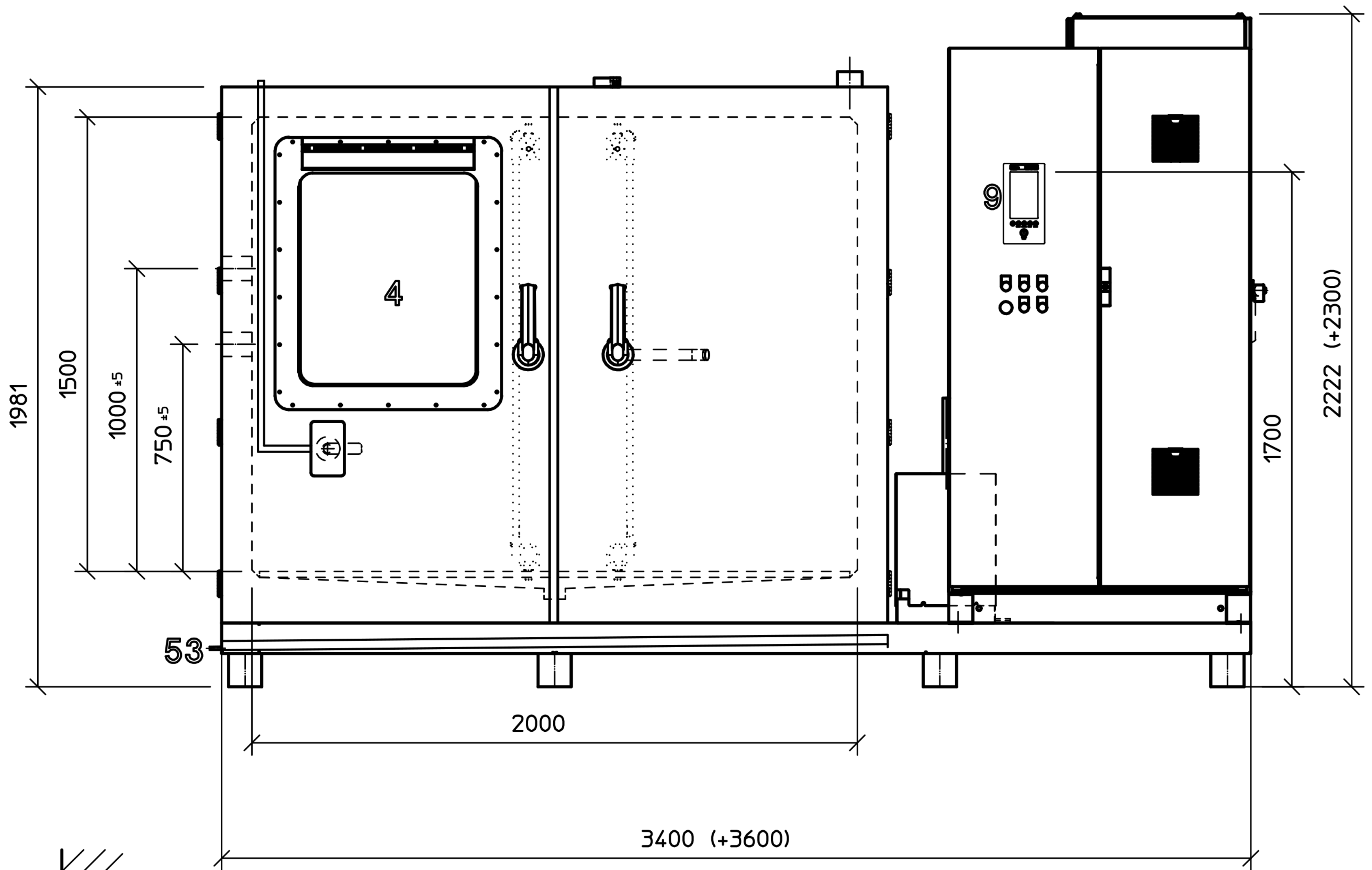

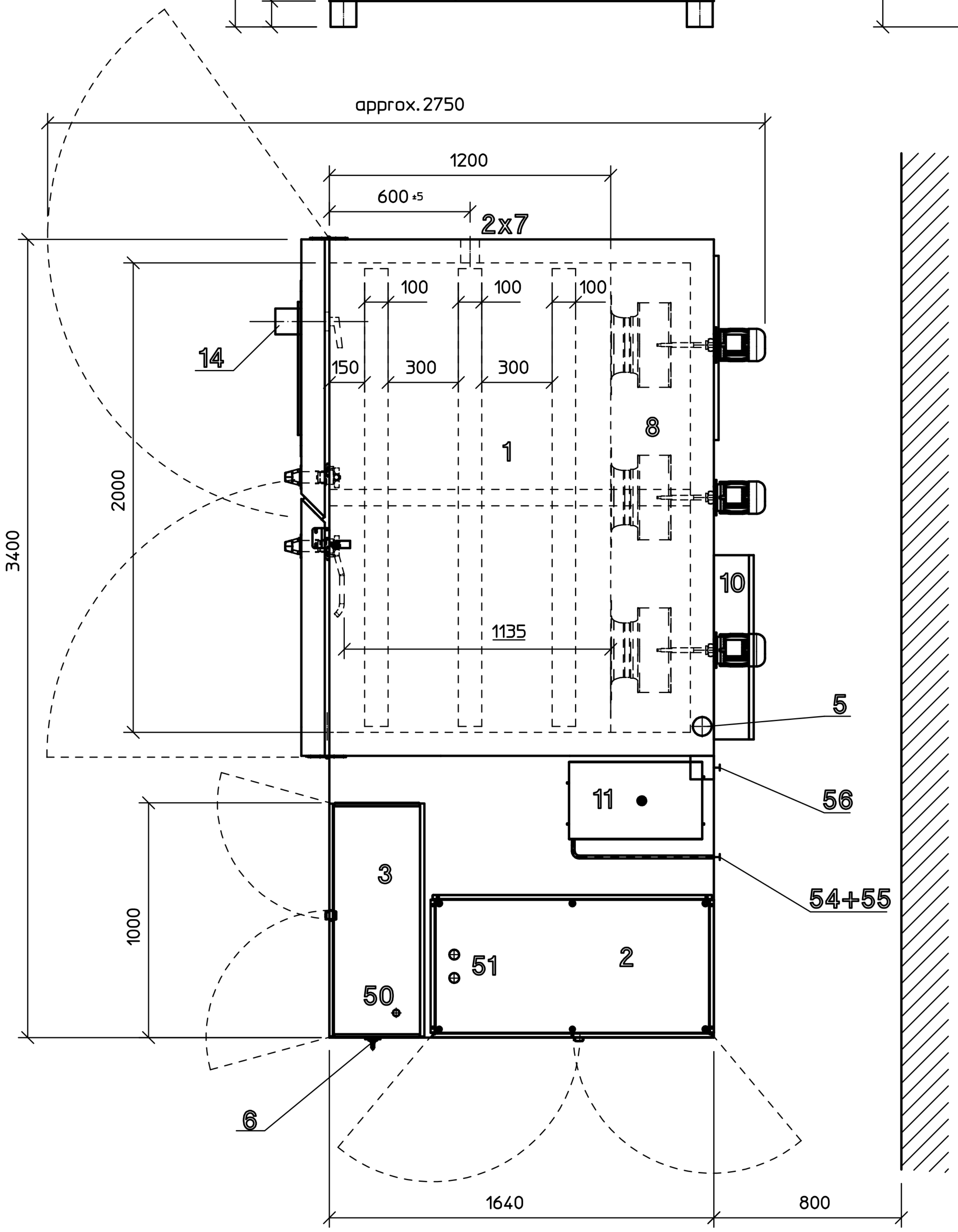

Requirements

Power supply

Nominal voltage : 400V +6-10% 50Hz 3~/N/PE
Nominal power : 18 kW
Nominal current : 31 A
Fuse on site : 64A gG
Dimension according to VDE 0100
Connection via terminal board
Remark to power factor correction on site: The power factor (P.F.) should be max.0.95 - taking into consideration all load conditions.

Cooling water

Inlet : Rp 1"
Outlet : Rp 1"
Consumption : approx. 2,1 m3/h at dt=10K under full load
Supply temperature : min. 15°C, max. 20°C
Water pressure : min. 2,5 bar(g), max. 6 bar(g)
Pressure difference : min. 1,5 bar, max. 3 bar
Nominal pressure : PN10
Heat dissipation : approx. 24 kW
Customer´s system must be bump-free
Particle-free water with pH-value approx.7 (max. filter-width 250µm)

Moistening water

Inlet : Rp 1/2"
Pressure : 2 - 6 bar(g)
consumption : max. 5 l/h
Supply temperature max. : 20°C
Quality : deionized water with max. conduct.10uS/cm
pH-value : 6 to 7
Free of algae and impurities. No water hammers nor pressure variations within the system.
The waste water can be very hot and the run-off must be free.

Compressed air

Inlet : coupling with hose connection Ø9
Pressure : 7 - 10 bar(g)
Consumption : max. 4 m3/h
Max. inlet temperature : 35 °C
compressed air quality classes acc. to ISO 8573-1 :
- contamination : class 3
- water content : class 6
- oil content : class 3

Requirements for the place of installation

The refrigeration equipment is provided for the category of access area b and classification I of the places of installation in line with EN 378-1. The owner or operator must ensure that the terms in Annex C of the EN 378-1 are met. The respective national regulations/laws must be observed for the installation and operation of the refrigeration equipment.

Heat transmission at full load approx. 2 kW
The ventilation of installation room has to be realized on site!

Level of instalation floor has to be acc. DIN 18202 table 2 (tolerance of angle) and table 3 (tolerance of level) line 4 (respectively max. 12mm refering to a length of 10m).

Weight of chamber : approx. 2.800 kg net (without test specimen nor add. accessories)

This layout was checked and approved, alternative by e-mail

date name signature

Legend

1 Test chamber
2 Machine unit
3 Switch cabinet
4 Window with LED
5 Pressure equalizer Ø80mm
6 Main switch
7 Entry port 2x Ø80 mm
8 Air preparation room
9 Control panel
10 Valve box
11 Steam humidifier
14 Emergency stop

Works to be done by customer

50 Power supply
51 Cooling water connections
52 Drainage test chamber Rp 1/2"
53 Drainage groove under the door Ø12mm
54 Drainage Steam humidifier Rp 1/2"
55 Inlet deionized water
56 Inlet compressed-air

Pos. 50 up to 56 are to be prepared on site.

Pos. 52 to 54 has to be connected to a gully.

The entrance clearance are marked with a clip e.g. (+2500)

Coloring: Chamber: RAL 7035
Machine: RAL 7035
Switch cabinet: RAL 7035

Index	Änderung	Datum	Name
b	Zweiter Türverschluss hinzu	03.07.2025	AA
a	Zeichnungsnummer korrigiert, Druckbehälter entfernt	28.03.2025	fb

Maßstab

2025	Datum	Name
gez.	05.02.	AA
gepr./freig.	17.02.	AA

Allgemeintoleranz nach DIN ISO 2768-1 m

Druckangaben in bar-Überdruck

Auftrag:
Teile-Nr.: .
Kunde:
.
Zeichn.-Nr.:
Ersatz für: .

CTS GmbH
Lotzenäcker 21
72379 Hechingen

Layout
Climatice test cabinet
Type CS-70/3600-2

Rahmen_A2

Blatt von V1