



Technical Questionnaire UT-A

For lay-out of environmental test equipment,
walk-in chambers / special air-conditioned chambers

Customer's adress

Contact person: _____

Telephone: _____

Project: _____

Purpose: _____

1 Environmental test chamber

1.1 Inside dimensions

height: _____ mm

width: _____ mm

depth: _____ mm

1.2 Test chamber door

opening, inside dimensions (h x w)

standard 1900x900 mm , or

height: _____ mm

width: _____ mm

1.3 Observation window in door

standard 600x450 mm , or

height: _____ mm

width: _____ mm

1.4 Lighting

Light intensity: Sunlight 1m from ceiling pane

_____ lx or _____ W/m²

high pressure mercury vapour lamp ,

with switch on door external

other lamp type: _____

1.5 Ports

50 mm diameter: _____ pieces

125 mm diameter: _____ pieces

_____ mm diameter: _____ pieces

1.6 Floor load

Surface load normally 30.000 N/m²

Variance in surface load: _____ N/m²

3.000 N/m² per rubbed wheel

Wheel load: _____ N/m²

Special wheel load: _____ N/m²



1.7 Additional details

Specimen(s): _____ weight: _____ kg
 Number: _____ pieces Material of specimen:
 Dimensions specimen steel
 height: _____ mm copper
 width: _____ mm plastics
 depth: _____ mm other _____

2 Temperature range

Temperature range: _____ °C to _____ °C
 Temperature constancy (in time): \pm _____ °C
 Cooling down rate: _____ °C/min between _____ °C and _____ °C
 with specimen without specimen
 Heating up range: _____ °C/min between _____ °C and _____ °C
 with specimen without specimen
 Heat load in environmental chamber: _____ W at _____ °C
 Persons in chamber: _____ persons at _____ °C

3 Climate working range

Climate working range: _____ °C bis _____ °C (controlled humidity)
 Heat load in environmental chamber: _____ W at _____ °C
 Persons in chamber: _____ persons at _____ °C
 Temperature constancy: \pm _____ °C
 Humidity range with heat load: _____ % r.F. to _____ % r.F.
 Humidity range without heat load: _____ % r.F. to _____ % r.F.
 Humidity constancy: \pm _____ % r.F.
 Dewpoint temperature range: _____ °C to _____ °C
 Dewpoint temperature constancy: \pm _____ °C

4 Fresh air supply (make-up air)

Rate of fresh air supply: _____ m³/h
 Ambient condition: summer max. _____ °C, _____ % r.F.
 winter max. _____ °C, _____ % r.F.

5 Place of installation (add sketch, if possible)

height: _____ mm width: _____ mm depth: _____ mm
 ambient temperature: min. _____ °C, max. _____ °C
 Max. sound level, distance 1m: _____ dB(A)
 With air-cooled machine: Condenser is to be placed at a distance of _____ m cable length



5.1 Max. clearance dimensions for transport and installation:

Door opening height: _____ mm
width: _____ mm

6 Air velocity in the chamber (indicate only in case of special requirements)

Fixed value: _____ m/s

Variable value: from _____ m/s to _____ m/s adjustable

In _____ steps infinity variable

7 Gas or water vapour dissipation from specimens

Type of gas: _____ Volume: _____

8 Energy available

400V / 3Ph + N + PE / 50 c/s

max. _____ kVA connected load

Water

min. _____ °C / max. _____ °C

Compressed air

_____ bar, _____ m³/h

9 Special requirements or test specifications

Standards:

Options:

10 Storage and transport from place of unloading to final site

Customer Weiss Umwelttechnik (please attach drawing!)

11 Provision

of unskilled labour and transport facilities (crane, etc.)

by Customer Weiss Umwelttechnik

Budget: _____

Realisation: _____

Competitors: _____

Name: _____

Date: _____