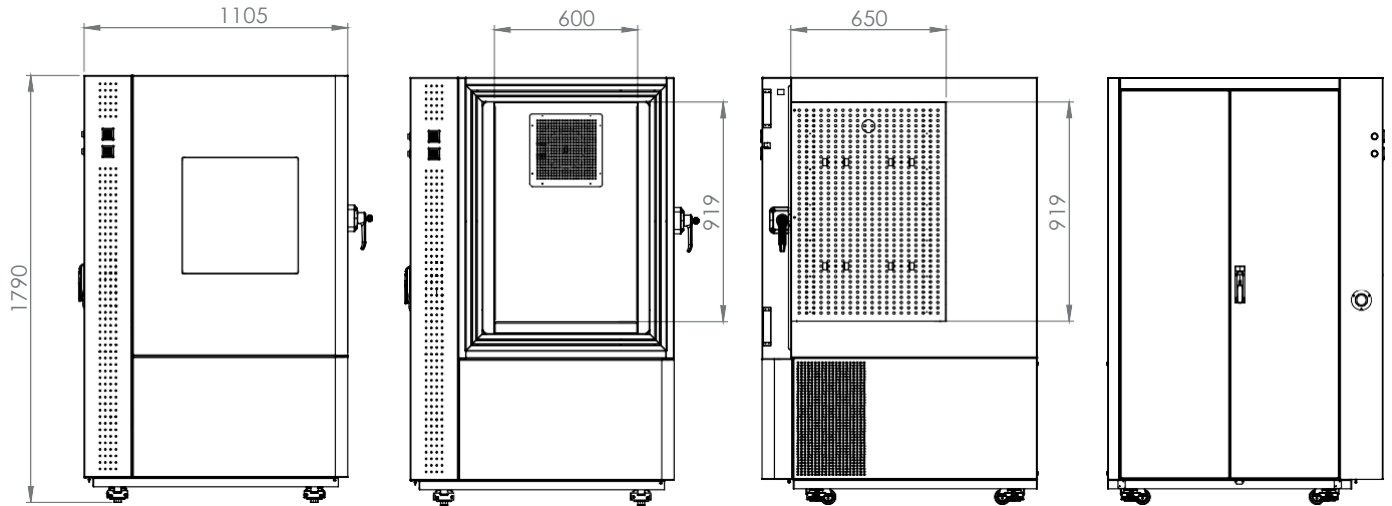


Environmental Chamber

40C180V360



360 liters



-40°C to +180°C



10 to 98% rh

Fan

Window

Interface



forced ventilation



heated viewing

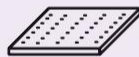


still/FACE

Rack

Water tank

Cables port



x2 stainless steel



internal



1 access port

Maintenance

Weight

Voltage



easy access



700 Kg



220/240V 50Hz

Model code	40C180V360
Temperature distribution	
Temperature range without humidity [°C]	-40/+180
Temperature range with humidity [°C]	10/90
Temperature uniformity depending on setpoint [± K]	0.1..1.5
Temperature fluctuation depending on setpoint [± K]	0.2..0.5
Average heating-up rate according to IEC 60068-3-5 [K/min]	5
Cooling down time from 180 °C to -40 °C [min]	200
Average cooling down rate according to IEC 60068-3-5 [K/min]	-4
Performance Data Climate	
Temperature range [°C]	10/90
Temperature fluctuation depending on setpoint [± K]	0.2..0.5
Humidity range [% RH]	10/98
Humidity fluctuation depending on setpoint [± %]	2
Electrical data	
Rated Voltage [V]	230
Power frequency [Hz]	50
Nominal power [kW]	7
Unit fuse [A]	32
Outer dimensions	
Width net [mm]	1128
Height net [mm]	1790
Depth net [mm]	1157
Wall clearance back/ sidewise [mm]	250/250
Viewing window width/ height [mm]	480/480
Doors	
Unit doors	1
Internal Dimensions	
Width [mm]	600
Height [mm]	919
Depth [mm]	650
Measures	
Interior volume [L]	360
Net weight of the unit (empty) [kg]	700
Permitted load [kg]	100
Load per rack [kg]	20
Environment-specific data	
Sound-pressure level [dB(A)]	65
Fixtures	
Number of shelves (std./max.)	2/4
Control technology	
Controller	<i>still</i> /FACE - Constant monitoring temperature and humidity controllers
Ventilation	
Fan	2x180 mm axial fan
Safety	
Temperature	Class 2 independent adjustable temperature safety devices (DIN 12880)
Alarm	Audio-Visual

All technical data are specified for units with standard equipment at an ambient temperature of 25 °C and a voltage fluctuation of ±10 %.

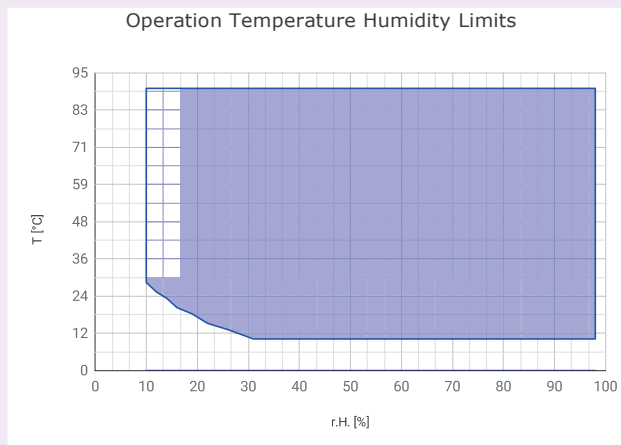


FDM - ENVIRONMENT MAKERS

FDM reserves the right to modify its equipment at any time without updating this manual.

Model code	40C180V360
Heating data	
Heater	bar heater
Door	insulated door with insulated and heated glass window
Cooling	hermetique compressor high reliability
Ambient conditions	
Set Up The distance between the test chamber and the walls/ceiling must be at least 25 cm.	OK
Ambient temperature 16 °C to 28 °C	OK
Humidity rh max. 70 %, non-condensing	OK
Altitude of installation max. 2,000 m above sea level	OK
Pollution degree	LOW
Packing/shipping data	
Transport information	The appliances must be transported upright
Net Measures approx incl. carton packaging	140x135x205h mm x 760 Kg
Net Measures approx incl. wooden packaging	135x130x200 mm x 790Kg

Charts



Options

- **70T180E** - Temperature extension
- **VOLXXE** - Volume extension
- **W65T00** - Water source kit +filter
- **GS85M** - GSM module for smsalerts