

SPHERA GROUP

Environmental Chambers



Temperature & Humidity Chamber Tabletop type (TH3-KE)
More convenience small type Temp. & Humid chamber with new advanced controller

Features

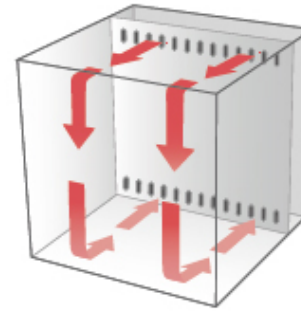
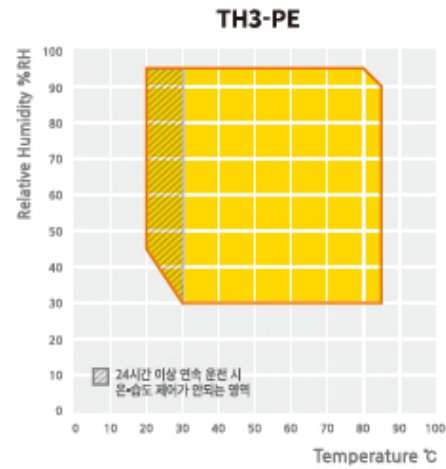
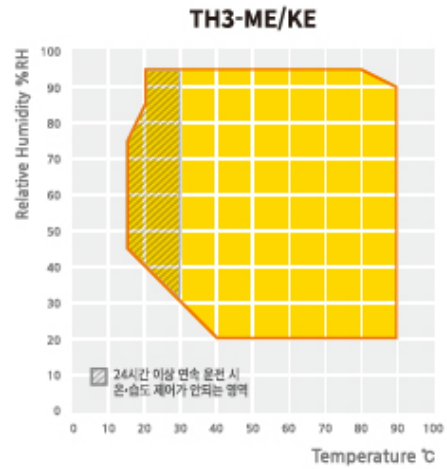
SPHERA GROUP s.r.o.

info@sphera-group.cz

Tel: +420 226 886 248

Průmyslová 7 Business Park

102 00 Praha, Czech Republic



Model	TH3-KE-025	TH3-KE-065	TH3-KE-100
Interior dimensions			
Chamber volume (L / cu ft)	25 / 0.9	65 / 2.3	100 / 3.5
Width (mm / inch)	350 / 13.8	400 / 15.7	500 / 19.7
Depth (mm / inch)	220 / 8.7	330 / 13.0	380 / 15.0
Height (mm / inch)	350 / 13.8	495 / 19.5	530 / 20.9

Quantity of shelves (standard/max.)	2/7	2/10	2/10
Distance of between shelves (mm / inch)	20 / 0.8	20 / 0.8	20 / 0.8
Max. load per shelf (kg / lbs)	25 / 55.1	25 / 55.1	25 / 55.1
Permitted total load (kg / lbs)	65 / 143.3	65 / 143.3	65 / 143.3
Cable port (∅, mm / inch)	50 / 2.0	50 / 2.0	50 / 2.0
Water tank capacity (L / cu ft)	8 / 0.3	12 / 0.4	12 / 0.4
Weight (kg / lbs)	110 / 242.5	140 / 308.6	150 / 330.7
Temperature data			
Range without humidity (°C / °F)	-40 to 150 / -40 to 302	-40 to 150 / -40 to 302	-40 to 150 / -40 to 302
Fluctuation (±°C / °F) ¹⁾	0.3 / 0.54	0.3 / 0.54	0.3 / 0.54

Variation (\pm °C / °F) ¹⁾	0.5 / 0.9	0.5 / 0.9	0.5 / 0.9
Heating time (0°C to 90°C) (min)	60	60	60
Cooling time (90°C to 0°C) (min)	70	70	70
Humidity data (※ Ref.: Temp./ Humid. control range graph)			
Range (%RH)	20 to 95	20 to 95	20 to 95
Fluctuation (\pm °C / °F) ¹⁾	1	1	1
Variation (\pm °C / °F) ¹⁾	3	3	3
Electrical data & Ordering information			
Electrical requirements (AC230V, 1ph, 60Hz)	9.7A	11.8A	15.6A
Cat. No.	AAH824131K	AAH824231K	AAH824331K

Electrical requirements (AC230V, 1ph, 50Hz)	9.7A	11.8A	15.6A
Cat. No.	AAH824132K	AAH824232K	AAH824332K

※ The above specifications are tested according to DIN 12880 and IEC 60068 standards.

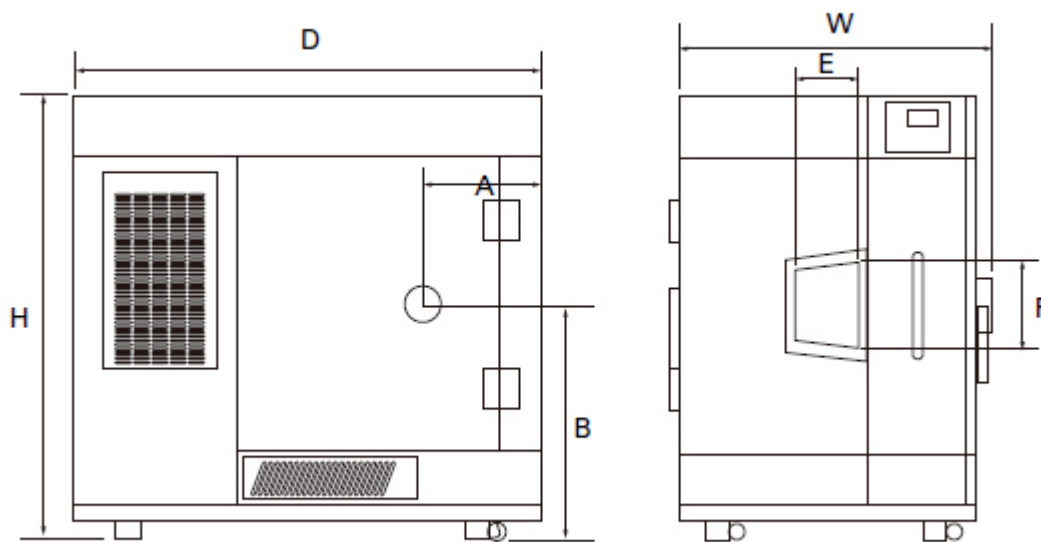
※ Permissible environmental conditions are 18 - 30°C (recommended 20°C), 85% RH or less, under 2000m above sea level.

※ The DI water condition is pH 6.2 - 7.2 and the electrical conductivity is less than 20 μ S/cm.

1) The set value is set under the conditions of 25°C, 60% RH.

2) Heating time condition value: TH3-KE (-40°C to 100°C), TH3-ME (-20°C to 100°C), TH3-PE (0°C to 100°C)

3) Cooling time condition value: TH3-KE (20°C to -40°C), TH3-ME (20°C to -20°C), TH3-PE (20°C to 0°C)



SPECIFICATIONS

Model	TH3-KE-025	TH3-KE-065	TH3-KE-100
W (mm / inch)	550 / 21.7	600 / 23.6	700 / 27.6
D (mm / inch)	880 / 34.6	1050 / 41.3	1110 / 43.7
H (mm / inch)	915 / 36.0	1060 / 41.7	1100 / 43.3
A (mm / inch)	211 / 8.3	276 / 10.9	276 / 10.9
B (mm / inch)	495 / 19.5	580 / 22.8	580 / 22.8
E (mm / inch)	170 / 6.7	170 / 6.7	170 / 6.7
F (mm / inch)	229 / 9.1	229 / 9.0	229 / 9.0

ACCESSORIES

Wire Shelf



- Excellent ventilation structure.
- Stainless steel.
- Includes 2ea as standard.

Perforated Shelf



- Suitable for high-load samples.
- Excellent maintenance as made of stainless steel.

Recorder (Paper)



- Up to 6 channels supported.
- Set recording range and speed.
- Paper width: 100 mm.

Recorder (Digital)



- Paperless. (5.7" LCD display)
- Up to 6 channels supported.
- Data stored in internal/external memory.

Cable Port



- Both cap and silicone plug are included as standard in $\varnothing 50$ mm cable port.
- It is available to add $\varnothing 50$ mm, $\varnothing 80$ mm.

Signal Lamp



- Figuring out equipment status remotely.
- Run/Stand-by/Error displayed by color.

Water Purifier



- Water purifier composed of particle filter and carbon filter.
- Solid steel box construction.

Inner Glass Door



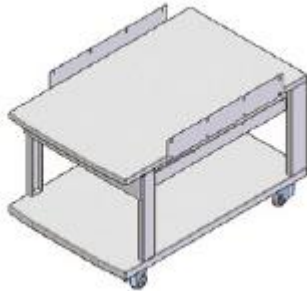
- Minimized temperature and humidity changes and observation of internal samples enabled.
- Hand-in port is provided as standard (selectable when purchasing).

Stand (1 Stage)



- **Dedicated stand for small appliances.**
- **Provides lower drawer and loading space.**
- **Castors provided as standard for moving/fixing.**

Stand (2 Stage)



- **Placing of two compact devices vertically.**
- **Minimized installation space for different temperature and humidity tests.**

Model	Cable Port (ø50)	Cable Port (ø80)	Wire Shelf	Perforated Shelf	Signal Lamp	Recorder (Paper)	Recorder (Digital)	Water Purifier	Direct Water System	Inner Glass Door	Stand (1 stage)	Stand (2 stage)
TH3-KE-025	AAA8T610	N/A	RTD0679	AAA80602-6	AAA80550	AAA8T504	AAA8T506	AAA8T621	AAA80620	N/A	AAA80631	AAA80634
TH3-KE-065	AAA8T610	AAA8T611	RTD0680	AAA80602-7	AAA80550	AAA8T504	AAA8T506	AAA8T621	AAA80620	N/A	AAA80632	AAA80635
TH3-KE-100	AAA8T610	AAA8T611	RTD0681	AAA80602-8	AAA80550	AAA8T504	AAA8T506	AAA8T621	AAA80620	N/A	AAA80633	N/A