

Ovens, Phoenix Instrument

Natural convection ovens

Ideal for everyday use in the processes of drying and sterilization, the natural convection ovens are characterized by a high load capacity and by the accurate temperature control.

The possibility to heat the samples up to 300°C allows any type of sterilization process. The minimum heating times, the heating power properly dimensioned and the perfect tightness of the seals, ensure low energy consumption in every application.

All models are available as Basic Series and Super Series.

Basic Series

- 7 programs × 10 program steps
- Repeatable work cycles
- Large backlit LCD display
- Easy to read symbols
- Timer and continuous function
- Visual and acoustic alarm
- Fan speed control
- Delay of the program start
- Safety temperature to protect the sample

SUPER series

- New generation of color touch screen displays with user-friendly screens and icons
- 8 programs with 8 steps storable
- USB flash drive
- Easy operation and readability



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Technical data:

	TIN-TN30B	TIN-TN50B / TIN-TN50S	TIN-TN115B / TIN-TN115S	TIN-TN200B / TIN-TN200S
Volume:	30 litres	50 litres	115 litres	200 litres
Max. temperature/resolution:	+200/0.1°C	+300/0.1°C	+300/0.1°C	+300/0.1°C
Temp. homogeneity at 37°C:	±3.5°C	±3.5°C	±3.5°C	±4°C
Temperature variation at 37°C:	±0.5°C	±0.5°C	±0.5°C	±0.7°C
Heating time at 37°C:	14 min	16 min	18 min	20 min
Timer:	99:59/continuous operation	99:59/continuous operation	99:59/continuous operation	99:59/continuous operation
Int. dimension (W×H×D):	320×320×285 mm	400×420×330 mm	520×495×450 mm	650×640×495 mm
No. of shelves (standard/max):	2/4	2/5	2/6	2/9
Min. distance between shelves:	50 mm	50 mm	50 mm	50 mm
Max. load of shelves:	10 kg	15 kg	20 kg	20 kg
Voltage/Power:	230 V / 700 W	230 V / 1000 W	230 V / 1900 W	230 V / 2100 W
Ext. dimensions (W×H×D):	460×685×530 mm	690×635×470 mm	815×750×600 mm	940×905×660 mm
Weight:	40 kg	53 kg	74 kg	103 kg
Safety class:	3.1	3.1	3.1	3.1

Model	Order No.	Model	Order No.
① TIN-TN30B	10 13 73080	TIN-TN115S	10 13 71151
TIN-TN50B	10 13 75080	② TIN-TN200B	10 13 70200
TIN-TN50S	10 13 75000	TIN-TN200S	10 13 70201
TIN-TN115B	10 13 71150		

Forced air ovens

The forced air ovens TIN-TF 50, -TF 120, -TF 200 and -TF 400 control very efficiently the temperature starting from 10°C above ambient temperature up to 300°C.

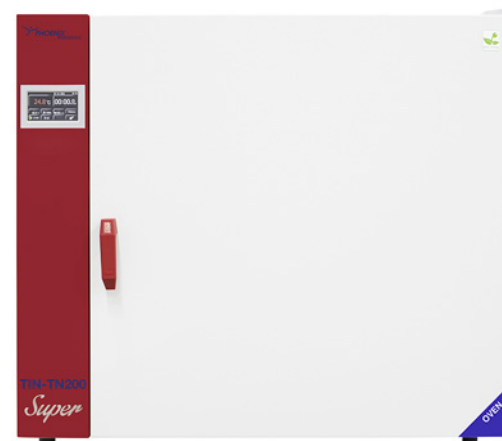
The PID controller, with wide backlit color display, clearly shows in every moment the temperature set and that one inside as well as other parameters. The forced air circulation, adjustable in three levels (High, Medium, Low), guarantees a perfect air replacement and homogeneity of temperature in every parts of the chamber. A through hole of 5 mm diameter supplied as standard on the top side of the oven permits to introduce an external probe for the check or certification of the temperature. All models are available as Basic Series and Super Series.

Basic Series

- 7 programs × 10 program steps
- Repeatable work cycles
- Large backlit LCD display
- Easy to read symbols
- Timer and continuous function
- Visual and acoustic alarm
- Fan speed control
- Delay of the program start
- Safety temperature to protect the sample

SUPER series

- New generation of color touch screen displays with user-friendly screens and icons
- 8 programs with 8 steps storable,
- USB flash drive
- Easy operation and readability



③

Technical data:	TIN-TF50B / TIN-TF50S	TIN-TF120B / TIN-TF120S	TIN-TF200B / TIN-TF200S	TIN-TF400B / TIN-TF400S
Volume:	50 litres	120 litres	200 litres	400 litres
Max. temperature/resolution:	+300/0.1°C	+300/0.1°C	+300/0.1°C	+300/0.1°C
Temp. homogeneity at 37°C:	±2%	±2%	±2%	±2%
Temperature variation at 37°C:	±0.3°C	±0.3°C	±0.4°C	±0.5°C
Heating time at 37°C:	20 min	24 min	30 min	50 min
Timer:	99:59/continuous operation	99:59/continuous operation	99:59/continuous operation	99:59/continuous operation
Int. dimension (W×H×D):	400×415×310 mm	520×530×435 mm	645×650×495 mm	1000×800×500 mm
No. of shelves (standard/max):	2/5	2/7	2/9	2/9
Min. distance between shelves:	50 mm	50 mm	50 mm	50 mm
Max. load of shelves:	15 kg	20 kg	20 kg	20 kg
Voltage/Power:	230 V / 980 W	230 V / 1900 W	230 V / 2400 W	230 V / 3200 W
Ext. dimensions (W×H×D):	690×635×570 mm	810×750×690 mm	945×870×755 mm	1285×1060×750 mm
Weight:	54 kg	74 kg	103 kg	160 kg
Safety class:	3.1	3.1	3.1	3.1

	Model	Order No.		Model	Order No.
③	TIN-TF50B	10 13 70500		TIN-TF200B	10 13 70022
	TIN-TF50S	10 13 70501		TIN-TF200S	10 13 70023
	TIN-TF120B	10 13 70120		TIN-TF400B	10 13 70040
	TIN-TF120S	10 13 70121		TIN-TF400S	10 13 70041

