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## INC 125 FC digital Incubator cooled

/// Data Sheet

The INC 125 FC digital cooling incubator is ideal for microbiological applications from -5 to 100 °C thanks to its precise temperature control.

Thanks to powerful compressor cooling technology and the use of the natural refrigerant R290, the incubator is particularly resource and environmentally friendly.

With a capacity of 125 liters, INC 125 FC digital offers the largest volume in its class. Up to six grid shelves can be accommodated simultaneously in the spacious chamber.

Hygienic working conditions



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- Decontamination mode (100 °C) for disinfection and prevention of cross-contamination
- Easy cleaning of the interior thanks to rounded corners and flat surfaces made of corrosion-resistant material AISI 304
- Defrosting function with continuous water drainage through drain opening

#### Optimal temperature control

- Wide temperature range: -5 °C to 100 °C
- Excellent temperature stability and uniformity of +/- 0.2 K resp. 0.3 K
- Internal air circulation can be influenced by electronically adjustable fan speed (0-100%)
- Excellent temperature management and optimized energy consumption thanks to very good insulation of the inner chamber
- Additional inner glass door for observation of samples without temperature loss

#### Simple and intuitive operation

- Very large LCD display for easy readability
- The functions counter, timer and temperature-controlled timer ensure reproducible test conditions

#### Versatile accessories

- Up to two IKA incubators can be stacked. An incubator shaker (INC FS 125) or incubator (INC 125 F) can be placed on top of the INC 125 FC (appropriate accessories required).
- Door lock (optional accessory)
- Different shelves available

#### Services

- Door hinge on the right, can be changed on request
- Installation and Operation Qualification (IQ/OQ) available on request



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## Technical Data

|                                              |                  |
|----------------------------------------------|------------------|
| Cooling agent                                | R290             |
| Cooling agent quantity [g]                   | 55               |
| Cooling agent pressure max. [bar]            | 21               |
| Heat output [W]                              | 750              |
| Working temperature [°C]                     | -5 - 100         |
| Adjustment and display resolution [K]        | 0.1              |
| Temperature stability (37°C @22°C) [K]       | ±0.2             |
| Temperature homogeneity (37°C @22°C) [K]     | ±0.3             |
| Temperature heat up time (37°C @22°C) [min]  | 8                |
| Temperature door recovery (37°C @22°C) [min] | 4                |
| Temperature display                          | yes              |
| Display                                      | LCD              |
| Timer                                        | yes              |
| Timer display                                | LCD              |
| Time setting max. [d]                        | 100              |
| Number of trays max.                         | 6                |
| Load for one tray max. [kg]                  | 20               |
| Operating area inner chamber [mm]            | 550 x 550 x 415  |
| Total volume inner chamber [l]               | 125              |
| Thermal safety devices according DIN 12880   | TB class 1       |
| Set-point limiter with safety shutdown       | yes              |
| Inner glasdoor                               | yes              |
| Temperature sensor control                   | PT 100 4 wire    |
| Defrost function                             | yes              |
| Cleaning thermal decontamination (100°C)     | yes              |
| Power consumption at 37°C [Wh/h]             | 79               |
| Drain tube inner diameter [mm]               | 10               |
| Noise level [dB(A)]                          | 51               |
| Dimensions (W x H x D) [mm]                  | 700 x 1000 x 635 |
| Weight [kg]                                  | 80               |
| Permissible ambient temperature [°C]         | 15 - 32          |
| Permissible relative humidity [%]            | 70               |
| Protection class according to DIN EN 60529   | IP 20            |
| USB interface                                | yes              |
| Voltage [V]                                  | 220 - 240        |
| Frequency [Hz]                               | 50/60            |
| Power input [W]                              | 950              |
| Power input max. [W]                         | 1000             |
| Power input standby [W]                      | 2                |
| Fuse                                         | 2x T6.3A 250V    |