

ED 115 - Drying oven with natural convection

Routine drying and sterilization applications up to 300 °C (572 °F) and storage at precisely controlled elevated temperatures are the strengths of ED drying ovens. Because of the natural convection with a high rate of air exchange, thermal processes run with significantly increased efficiency.

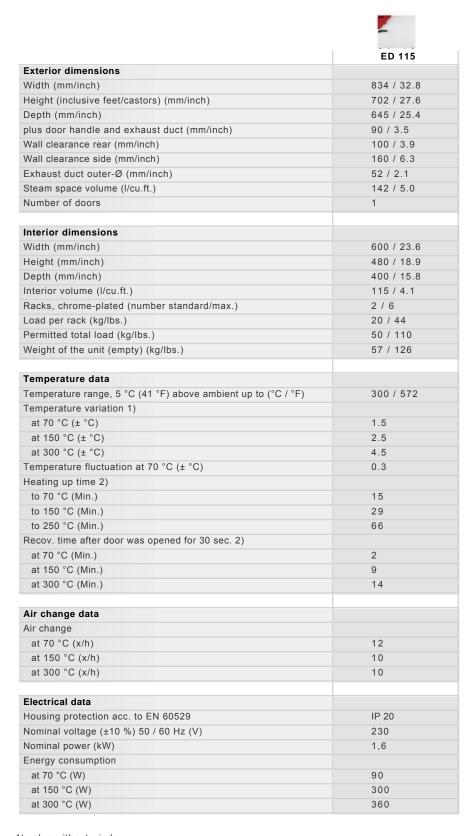


Performance features and equipment:

- Electronically controlled APT.line™ preheating chamber assuring temperature accuracy and reproducible results
- Temperature range 5 °C (9 °F) above ambient temperature up to 300 °C (572 °F)
- Digital temperature setting with an accuracy of one degree
- DS controller with integrated timer 0 to 99 h
- Independent adjustable temperature safety device class 2 (DIN 12880), with visual temperature alarm
- Adjustable front ventilation flap slide and rear exhaust ø 50 mm (1.97 inch)
- With or without RS 422 Interface for use with optional GMP/GLP and FDA guideline 21 CFR Part 11 compliant APT-COM™ DataControlSystem software
- Units up to 115 liters are stackable
- 2 chrome-plated racks included
- BINDER test certificate



Technical specification ED 115



value without window
up to 98 % of the set value

All technical data are specified for units with standard equipment at an ambient temperature of 25 °C and a voltage fluctuation of ±10 %. The temperature data are determinated in accordance to factory standard following DIN 12880 respecting the recommended wall clearances of 10 % of the height, width and depth of the inner chamber. All indications are average values, typical for units produced in series. We reserve the right to alter technical specifications at all times.



Options and accessories ED series





Access ports

With silicon plugs for inserting external measuring devices into the chamber. Access ports with 10, 30, 50, 100 mm (0.4, 1.2, 2, 3.94 inch) diameter.



Door with window and interior lighting
For optimum process control in the interior, available for all equipment sizes.



Lockable door

Prevents unauthorized access and interference with processes in the chamber.



Calibration certificates and validation

BINDER can significantly reduce the time and effort needed for equipment qualification. We draw on unparalleled knowledge of our equipment applications and years of experience in certification.

Options and accessories ED series



	ED 115
Access port with silicone plugs, 10 mm (0.39 inch), 30 mm (1.18 inch), 50 mm (1.97 inch), 100 mm (3.94 inch)	0
Anti - slip rubber pads for safe stacking (1 set of 4 pieces)	0
Over temperature alarm, audible, can be switched off. Temperature limit can be set at the independent, adjustable temperature safety device, for 230 V	0
Independent adjustable temperature safety device, class 3.1 (DIN 12880) with visual alarm	0
Analog temperature output, 4 - 20 mA, with 6 - pin DIN socket (output not adjustable)	0
Temperature measurement acc. to DIN 12880 (27 measuring points, for 23 liter units 15 measuring points) at 150 °C (302 °F) or at specified temperature with measuring protocol and certificate	0
Factory calibration certificate. Measurement in center of chamber at 150 °C (302 °F) or at specified testing temperature	0
Extension to factory calibration certificate. Each additional measurement at an additional measuring point or temperature	0
Data Logger Kit T 350: For the continuous temperature recording of 0 °C (32 °F) to 350 °C (662 °F). Kit includes 1 data logger, PT 100 sensor with 2 m Teflon extension cable and 1 fixture for the connection at the BINDER unit	0
Data Logger Software: Configuration und evaluation software for all BINDER Data Logger Kits, incl. data cable	0
Rack, chrome - plated	0
Rack, stainless steel	0
Shelf, perforated, stainless steel	0
Door Lock	0
Door gasket, FKM (Viton)	0
Door with window 320 x 260 mm (12.60 x 10.24 inch) and interior lighting (15 W)	0



