TXL-BOY-019 / 28 October 2026 · One-year manufacturer warranty

AATCC Shrinkage Tumble Dryer

Laboratory tumble dryer for drying after laundering in AATCC shrinkage and appearance tests. Normal, Delicate and Permanent Press programs; exhaust temperature controlled as the methods require.



Model technical data

1	Type: electric laboratory tumble dryer.
2	Programs: Normal, Delicate, Permanent Press.
3	Exhaust temperature: Normal and Permanent Press 68 ± 6 °C, Delicate 60 ± 6 °C; cool-down time ≤ 10 min.
4	Capacity: 8 kg.
5	Power: 5200 W; supply 220 V / 50 Hz or 110 V / 60 Hz.
6	Packed dimensions: 820 × 810 × 1330 mm; packed weight 104 kg.

Physical specifications and utilities

Electrical supply	Power: 5200 W; supply 220 V / 50 Hz or 110 V / 60 Hz.
Power / connected load	Power: 5200 W; supply 220 V / 50 Hz or 110 V / 60 Hz.
Overall instrument dimensions	Approx. 700 × 750 × 1100 mm (W × D × H).
Instrument weight	Approx. 65–85 kg net.
Packaging / shipping	Packed dimensions: 820 × 810 × 1330 mm; packed weight 104 kg.
Lab requirements	Suitable ventilation / process exhaust; external fan and duct loads are excluded from this preliminary estimate.

Dimension order and approximate values are stated in each row. Packaging data are separate from instrument dimensions and net mass. Approx. rows are preliminary engineering estimates based on comparable equipment and function/capacity; they are not verified manufacturing measurements or standard requirements. Installation and shipment are finalised against the approved drawing and nameplate. Estimate scope: base product / one unit; external computer, bench and auxiliary plant excluded.

Specifications, dimensions, and power requirements are approximate and subject to change without prior notice for continuous design improvements.

Product technical specifications and images may vary according to manufacturing conditions and applicable standards.

Test and configuration

Measured output / function	Dimensional change after specified drying (%)
Parameters selected for the method	Drying procedure, load and endpoint
Verification points	Drying temperature and timer

Control and recording specification

Method-specific software and recording requirements follow. Delivered software modules are defined by the order scope.

• Method code and edition, specimen ID, operator and selected test parameters are linked to the record.

• Dimensional change (%) = 100 × (final - initial dimension) / initial dimension; direction and sign convention are stated in the report.

• Raw measurements, units, valid/invalid test flags and the reported result remain traceable.

• Calculations are checked against known inputs and an independent calculation; sensor channels are checked against calibration values.

Related test methods

AATCC 88B · AATCC 88C · AATCC 124 · AATCC 135 · AATCC 143 · AATCC 150 · AATCC 172 · AATCC 179 · AATCC 188 · AATCC LP1

Listed methods are application references. Suitability is established by assessing hardware, method edition and calibration together.

Test parameters for the reviewed method

The values below were reviewed in selected clauses of the stated source edition. They are not a declaration of equivalence to a later edition or independent instrument verification.

AATCC 124-2009 / 7.1, 8.2.4, 9.1

1	Smoothness-appearance assessment uses three 380 × 380 mm specimens; the stated washing option uses total load 1.8 ± 0.06 kg. Three trained observers rate specimens independently; washer/dryer does not replace the visual assessment system.

AATCC 135-2004 / 5.8, 6.2, 9

1	Dimensional change includes the option of three 250 mm length and width benchmark pairs on a 380 × 380 mm specimen. Measurement step 0.5% or smaller; change is 100 × (final - initial)/initial, with shrinkage negative. Match machine type/program separately to the edition.

AATCC 150-2003 / 5.8.2, 6.2, 9.1

1	For garment dimensional change define measurement locations by garment type; marked-scale increment 0.5% or smaller. Measure initial and final dimensions at the same locations; retain negative change as shrinkage and positive change as growth.

AATCC 179-2004 / 8.2, 9.1.1

1	For skewness assessment record marking option and wash/dry cycle. Diagonal-method change (%) = 100 × 2(AC - BD)/(AC + BD); report to 0.1%. Do not mix equations from different marking options.

AATCC 88B-2006 / 7.1, 9

1	Prepare three 380 × 380 mm seamed specimens for seam-smoothness assessment. Record wash/dry conditions, seam reference, observer and grade in separate fields; drying alone is not the full assessment.

AATCC 88C-2006 / 7.1, 9

1	Prepare three 380 × 380 mm specimens for crease-retention assessment. Link crease reference and observer rating to the selected wash/dry recipe; appearance rating is not presented as an automatic instrument measurement.

AATCC 143-2006 / 7.1, 8, 9.1–9.6

1	Evaluate three end products after laundering/drying, using three trained observers at 1.2 ±0.3 m. Fabric smoothness, seam smoothness and crease retention use their respective references; drying alone does not provide an automatic appearance grade.

AATCC 172-2007 / 1.1, 8.2–8.3, Table III

1	The powdered non-chlorine bleach method is not equivalent to liquid bleach. This edition uses 1.8 ±0.1 kg total load; dryer exhaust is 66 ±5 °C for Normal/Permanent Press, below 60 °C for Delicate, with 10 minutes cooling. Report lower-temperature deviations.

AATCC 188-2008 / 9.2.3, 9.3.1, 10

1	Apply the selected drying program after sodium-hypochlorite laundering; this edition uses 1.8 ±0.1 kg total load. Record actual exhaust temperature and drying endpoint. Assess colour change separately against an unwashed control; distinguish non-chlorine bleach testing.

AATCC LP1-2018e, reproduced in 2021 manual — not LP1-2021 / 7.1, 9.2, Table I, Table VI; selected standard top-loader/dryer settings

1	LP1-2018e: standard top-loader normal cycle 72 ± 4 L, 86 ± 2 strokes/min, 16 ± 1 min; final spin 660 ± 15 rpm. Total dry load 1.8 ± 0.1 kg. Normal dryer exhaust 68 ± 6 °C. This is the older method printed in the 2021 manual, not revision LP1-2021.