

TXL-GEN-016 / 27 October 2026 · One-year manufacturer warranty

Conditioning Air Unit (Room Type)

Temperature and humidity controlled room-type conditioning unit that provides a standards-compliant test environment for industry, R&D, university, medical and textile laboratories. Available in different volume capacities; request the technical datasheet for the capacity you need.



Model technical data

1	Provides temperature and humidity controlled conditioning for industry, R&D, university, medical and textile laboratories.
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Physical specifications and utilities

Electrical supply	Approx. 380–415 V AC, 50 Hz, three phase; 60 Hz is a separate build option.
Power / connected load	Approx. 5000–20000 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 1200 × 900 × 1800 mm (W × D × H).
Instrument weight	Approx. 200–500 kg net.
Gross / shipping weight	Approx. 245–650 kg gross; estimated packing allowance.
Lab requirements	Room volume, heat/moisture loads, ducts and water/drain are project-sized. This estimate is for a representative air-handling unit only, not the total room system.

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	Specimen conditioning at controlled temperature and relative humidity
Parameters selected for the method	Target temperature, relative humidity, load and conditioning time
Verification points	Temperature-humidity mapping and temporal stability

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.
- The calculation and endpoint are defined by the selected method edition; instrument signals and operator assessments are kept distinct.
- 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

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