

QDTB® TRANSFORMER

TND

Voltage Regulators

PRODUCT DATASHEET

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TND — Series Overview

The TND series single-phase automatic voltage regulators use servo motor-driven variable transformer technology for precise voltage regulation in office, laboratory, and household applications.

Key Features

- Single-phase 220V output
- Capacity 0.5kVA to 30kVA
- Servo motor drive mechanism
- High accuracy $\pm 3\%$ output

Typical Applications

- Office equipment
- Medical devices
- Laboratory instruments
- Household voltage stabilization

Model Number Breakdown

- T — Transformer
- N — Regulator
- D — Single-phase

Model Specifications

8 model(s) in the TND series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Capacity	Input Voltage	Output Voltage	Response Time	Efficiency	Weight (kg) †	Dimensions (L×W×H) †
TND-0.5	0.5 kVA	160-250V	220V±3%	<1s	>95%	10 kg	200×130×160 mm
TND-1	1 kVA	160-250V	220V±3%	<1s	>95%	10 kg	250×150×180 mm
TND-2	2 kVA	160-250V	220V±3%	<1s	>95%	20 kg	280×170×200 mm
TND-3	3 kVA	160-250V	220V±3%	<1s	>95%	25 kg	300×180×220 mm
TND-5	5 kVA	160-250V	220V±3%	<1s	>95%	40 kg	350×220×280 mm
TND-10	10 kVA	160-250V	220V±3%	<1s	>95%	70 kg	450×300×400 mm
TND-15	15 kVA	160-250V	220V±3%	<1s	>95%	95 kg	500×350×450 mm
TND-20	20 kVA	160-250V	220V±3%	<1s	>95%	120 kg	550×400×500 mm

† Typical values, subject to confirmation. Final dimensions and weights are per factory GA drawings and routine test reports.

Standards & Certification

ISO 9001 Certified — Quality Management System
CE marking — available on selected models
Design and testing per IEC 60076, IEC 60076-11 (dry-type), IEC 61330 (substations), GB 1094 and related international standards.

Note: Certification details and test reports are provided upon request for the specific model and destination market.

Inquiry & Contact

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QDTB® guarantees a response within 24 hours on business days. Send your model, capacity, voltage and quantity for a detailed quotation.