

QDTB® TRANSFORMER

1P-to-3P

Special/Isolation/Control Transformers

PRODUCT DATASHEET

Shandong Yaqing Electric Power Technology Co., Ltd.
qdtb-transformer.com · Alice@qdtb-transformer.com

1P-to-3P — Series Overview

The 1P-to-3P series phase-converting transformers enable three-phase equipment to operate from a single-phase supply, providing balanced three-phase output for motors and machinery. Dry-type construction with Class F insulation delivers dependable conversion.

Key Features

- Converts single-phase to three-phase
- Balanced three-phase output
- Class F insulation, dry-type design
- Supports motors and industrial equipment

Typical Applications

- Three-phase motors on single-phase supply
- Rural and residential installations
- Small industrial workshops
- Temporary site power conversion

Model Number Breakdown

1P — Single-phase input

to — Conversion

3P — Three-phase output

Model Specifications

7 model(s) in the 1P-to-3P series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Capacity	HV Voltage	LV Voltage	Cooling	Impedance (%)	Standard	Weight (kg) †	Dimensions (L×W×H) †
1to3-3KVA	3	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	20 kg	190×170×200 mm
1to3-5KVA	5	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	30 kg	220×190×230 mm
1to3-7.5KVA	7.5	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	45 kg	250×220×260 mm
1to3-10KVA	10	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	55 kg	280×240×290 mm
1to3-15KVA	15	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	75 kg	320×270×320 mm
1to3-20KVA	20	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	90 kg	350×300×350 mm
1to3-30KVA	30	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	130 kg	400×340×390 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

Website	https://qdtb-transformer.com
Email	Alice@qdtb-transformer.com
WhatsApp	+86 13698683193
Phone	+86 13698683193
Address	No. 50, Jifa Longshan Road, Environmental Protection Industrial Park, Jimo District, Qingdao, Shandong, China

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