

QDTB® TRANSFORMER

JBK3

Single Phase Transformers

PRODUCT DATASHEET

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JBK3 — Series Overview

The JBK3 series machine tool transformers are designed for CNC machines and automated equipment, providing isolated and stable power for control circuits.

Key Features

- Designed for CNC machine applications
- Electrostatic shielding for noise reduction
- Multiple secondary voltage outputs
- High dielectric strength

Typical Applications

- CNC machines
- Servo drive power supply
- PLC control systems
- Robotic automation

Model Number Breakdown

- J — Machine tool
- B — Transformer
- K — Control

Model Specifications

10 model(s) in the JBK3 series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Capacity	Input Voltage	Output Voltage	Frequency	Efficiency	Temp. Rise Limit	Impedance Voltage	Insulation Class	Weight (kg) †	Dimensions (L×W×H) †
JBK3-50VA	50 VA	≤1000V	Custom	50/60	≥85%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-100VA	100 VA	≤1000V	Custom	50/60	≥85%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-160VA	160 VA	≤1000V	Custom	50/60	≥90%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-200VA	200 VA	≤1000V	Custom	50/60	≥90%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-250VA	250 VA	≤1000V	Custom	50/60	≥90%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-300VA	300 VA	≤1000V	Custom	50/60	≥90%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-400VA	400 VA	≤1000V	Custom	50/60	≥90%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-500VA	500 VA	≤1000V	Custom	50/60	≥90%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-630VA	630 VA	≤1000V	Custom	50/60	≥93%	≤65 K	≤8%	Class B (130°C)	130 kg	400×340×390 mm
JBK3-1000VA	1000 VA	≤1000V	Custom	50/60	≥93%	≤65 K	≤8%	Class B (130°C)	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

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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.